

**3GPP TSG-CN  
3GPP TSG-RAN  
3GPP TSG-T  
3GPP TSG-SA  
Meeting #24, Seoul (Korea), June 2004**

***Tdoc NP-040281  
Tdoc RP-040241  
Tdoc TP-040128  
Tdoc SP-040359***

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**Source:**            **MCC**  
                          <mailto:john.meredith@etsi.org>

**Title:**             **Specs status list prior to TSGs#24**

**Document for:**   **information**

The following table shows the status list immediately prior to TSGs#24. It differs from that corresponding to the end of SA#23 insofar as it contains new specs created since that time and later drafts of specs not yet under change control. It also reflects the updates resulting from GERAN#19 and virtual meeting CN#23bis.

Delegates may like to note that an HTML version of the status list is available at <http://www.3gpp.org/ftp/Specs/html-info/status-report.htm> and that this is updated daily to reflect

- new spec numbers issued for work starting up in Working Groups;
- new drafts of specs not yet under change control developed in Working Groups; and
- (occasional) editorial revisions of approved specs.

# 3GPP specification status

This report sorts the 3GPP specifications by  
Active or Withdrawn / Stopped (Active specs first)  
Release (Latest Release first)  
Series  
Individual Spec number

Release 7  
Release 6  
Release 5  
Release 4  
Release 99  
Release 98  
Release 97  
Release 96  
Phase 2  
Phase 1  
Withdrawn / Stopped

G = required in systems with GERAN acces; U = required in systems with UMTS access.

# 3GPP specification status

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ACTIVE specs Rel-7 22 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

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## ACTIVE specs

### Rel-7

Rel-7 22 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

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**TS 22.030 Man-Machine Interface (MMI) of the User Equipment (UE)**

Rel-7 *current version:* 7.0.0  
*freeze\_meeting:*  
*history (event, available, version, comments):*  
SP-23 2004-03-23 7 . 0 . 0

*WG (prime / other):* S1 / - *rapporteur:* IGNATIUS, Jan  
*G: yes U: yes* *MCC:* CLAYTON, Michael

NOKIA Corporation

[get it](#) *remarks - general:* Transfer>TSG#4  
*remarks - this release:* .

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**TS 22.038 USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1**

Rel-7 *current version:* 7.0.0  
*freeze\_meeting:*  
*history (event, available, version, comments):*  
SP-22 2004-01-06 7 . 0 . 0

*WG (prime / other):* S1 / - *rapporteur:* CARPENTER, Paul  
*G: yes U: yes* *MCC:* CLAYTON, Michael

Research In Motion Limited

[get it](#) *remarks - general:* Transfer>TSG#4  
*remarks - this release:* .

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**TS 22.078 Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1**

Rel-7 *current version:* 7.0.0  
*freeze\_meeting:*  
*history (event, available, version, comments):*  
SP-23 2004-03-23 7 . 0 . 0

*WG (prime / other):* S1 / - *rapporteur:* GRECH, Michel  
*G: yes U: yes* *MCC:* CLAYTON, Michael

Lucent Technologies Network Systems UK

[get it](#) *remarks - general:*  
*remarks - this release:* .

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### Rel-6

G = required in systems with GERAN access; U = required in systems with UMTS access.

# 3GPP specification status

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ACTIVE specs Rel-6 21 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/21\\_series](http://www.3gpp.org/ftp/Specs/archive/21_series)

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Rel-6 21 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/21\\_series](http://www.3gpp.org/ftp/Specs/archive/21_series)

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**TS 21.101 Technical Specifications and Technical Reports for a UTRAN-based 3GPP system**

Rel-6 *current version:* none *WG (prime / other):* SP / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
*freeze\_meeting:* SP-20 *G:* *U:* yes *MCC:* POPE, Maurice  
*history (event, available, version, comments):*

*remarks - general:* 2003-05: Title changed from "3rd Generation mobile system Release 1999  
*remarks - this release:* . Specifications".

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**TS 21.111 USIM and IC card requirements**

Rel-6 *current version:* 6.0.0 *WG (prime / other):* T3 / - *rapporteur:* KALINER, Stefan T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* *G:* *U:* yes *MCC:* JURISIC, Andrijana  
*history (event, available, version, comments):*

[get it](#) *remarks - general:*  
*remarks - this release:* .

TP-23 2004-03-25 6 . 0 . 0

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**TR 21.801 Specification drafting rules**

Rel-6 *current version:* 6.0.0 *WG (prime / other):* SP / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
*freeze\_meeting:* *G:* yes *U:* yes *MCC:* POPE, Maurice  
*history (event, available, version, comments):*

[get it](#) *remarks - general:*  
*remarks - this release:* .

SP-23 2004-04-02 6 . 0 . 0

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**TR 21.877 Radio optimization impacts on the Packet Switched (PS) domain architecture**

Rel-6 *current version:* 0.7.0 DRAFT *WG (prime / other):* S2 / - *rapporteur:* LAUTIER, Laurence NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* *G:* *U:* yes *MCC:* YOON, Sang-Ui

[get it](#) *remarks - general:*  
*remarks - this release:* SP-20: from Rel-5.

*history (event, available, version, comments):*  
draft 2003-02-24 0 . 7 . 0 inherited from Rel-5

G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs Rel-6 21 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/21\\_series](http://www.3gpp.org/ftp/Specs/archive/21_series)

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## TR 21.900 Technical Specification Group working methods

Rel-6 *current version:* 6.1.1 *WG (prime / other):* SP / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
*freeze\_meeting:* G: yes U: yes *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
SP-21 2003-09-26 6 . 0 . 0 [get it](#) *remarks - general:*  
SP-22 2004-01-14 6 . 1 . 0 [get it](#) *remarks - this release:* SP-22: Fron now on, is null document pointing to equivalent in latest Release.  
edito post SP-23 2004-04-02 6 . 1 . 1 corrects Release shown on cover page [get it](#)

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## TR 21.902 Evolution of 3GPP system

Rel-6 *current version:* 6.0.0 *WG (prime / other):* SP / - *rapporteur:* BISHOP, Craig SAMSUNG Electronics Research Institute  
*freeze\_meeting:* SP-21 G: U: yes *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
SP-18, Evolution 2003-01-03 0 . 0 . 0 Prior to SP-18: doc = EV020032 [get it](#) *remarks - general:* SP-21: On closure of Evolution group, confirmed that ownership stays with SA.  
meeting #2 *remarks - this release:* SP-20: expect revised drafts 2003-06-20 & 2003-09-05. SP-21: approved as Rel-6  
revised to add 2003-01-08 0 . 1 . 0 [get it](#) document.  
missing text  
SP-19, Evolution 2003-03-24 0 . 1 . 1 EV-030002 [get it](#)  
meeting #3  
draft 2003-04-07 0 . 2 . 0 [get it](#)  
draft 2003-04-17 0 . 2 . 1 incorporating comments post SP-19 [get it](#)  
SP-20, Evolution 2003-06-02 0 . 2 . 2 EV-030042 [get it](#)  
meeting #4  
draft 2003-06-20 1 . 1 . 0 [get it](#)  
draft 2003-06-20 1 . 1 . 1 [get it](#)  
Evolution workshop 2003-09-29 1 . 2 . 0 EV-030124 [get it](#)  
#5 prior to SP-21  
Evolution workshop 2003-09-29 1 . 3 . 0 EV-030136 [get it](#)  
#5 prior to SP-21  
SP-21 2003-09-29 2 . 0 . 0 SP-030518 [get it](#)  
SP-21 2003-09-26 6 . 0 . 0 Approved as Rel-6. PCG to decide [get it](#)  
whether SDOs are to publish prior to Rel-  
6 freeze.

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

# 3GPP specification status

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ACTIVE specs Rel-6 21 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/21\\_series](http://www.3gpp.org/ftp/Specs/archive/21_series)

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## TR 21.905 Vocabulary for 3GPP Specifications

Rel-6 *current version:* 6.6.0 *WG (prime / other):* S1 / - *rapporteur:* ZARRI, Michele T-Mobile (UK) Ltd  
*freeze\_meeting:* SP-22 *G:* yes *U:* yes *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

SP-17	2002-09-16	6	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
SP-18	2002-12-18	6	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
SP-19	2003-03-25	6	.	2	.	0	<a href="#">get it</a>
SP-20	2003-06-18	6	.	3	.	0	<a href="#">get it</a>
SP-21	2003-09-30	6	.	4	.	0	<a href="#">get it</a>
SP-22	2004-01-06	6	.	5	.	0	<a href="#">get it</a>
SP-23	2004-03-23	6	.	6	.	0	<a href="#">get it</a>

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Rel-6 **22** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

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## TS 22.011 Service accessibility

Rel-6 *current version:* 6.3.0 *WG (prime / other):* S1 / - *rapporteur:* IBIDUN, Kunle ORANGE PCS LTD  
*freeze\_meeting:* *G:* yes *U:* yes *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

SP-19	2003-03-25	6	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> Transfer>TSG#4
SP-20	2003-06-18	6	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
SP-22	2004-01-06	6	.	2	.	0	<a href="#">get it</a>
SP-23	2004-03-23	6	.	3	.	0	<a href="#">get it</a>

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## TS 22.030 Man-Machine Interface (MMI) of the User Equipment (UE)

Rel-6 *current version:* 6.0.0 *WG (prime / other):* S1 / - *rapporteur:* IGNATIUS, Jan NOKIA Corporation  
*freeze\_meeting:* *G:* yes *U:* yes *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

SP-23	2004-03-23	6	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> Transfer>TSG#4
							<i>remarks - this release:</i> .

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G = required in systems with GERAN access; U = required in systems with UMTS access.

# 3GPP specification status

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ACTIVE specs Rel-6 22 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

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<b>TS 22.038</b>	<b>USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1</b>						
Rel-6	current version: 6.2.0	WG (prime / other):	S1 / -	rapporteur:	CARPENTER, Paul	Research In Motion Limited	
	freeze_meeting:	G: yes U: yes		MCC:	CLAYTON, Michael		
	history (event, available, version, comments):						
	SP-20 2003-06-18 6 . 0 . 0						<a href="#">get it</a> remarks - general: Transfer>TSG#4
	SP-21 2003-09-30 6 . 1 . 0						<a href="#">get it</a> remarks - this release: .
	SP-22 2004-01-06 6 . 2 . 0						<a href="#">get it</a>

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<b>TS 22.041</b>	<b>Operator Determined Call Barring</b>						
Rel-6	current version: 6.2.0	WG (prime / other):	S1 / -	rapporteur:	WATSON, John	VODAFONE Group Plc	
	freeze_meeting:	G: yes U: yes		MCC:	CLAYTON, Michael		
	history (event, available, version, comments):						
	SP-20 2003-06-18 6 . 0 . 0						<a href="#">get it</a> remarks - general: Transfer>TSG#4
	SP-21 2003-09-30 6 . 1 . 0						<a href="#">get it</a> remarks - this release: .
	SP-23 2004-03-23 6 . 2 . 0						<a href="#">get it</a>

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<b>TS 22.060</b>	<b>General Packet Radio Service (GPRS); Service description; Stage 1</b>						
Rel-6	current version: 6.0.0	WG (prime / other):	S1 / -	rapporteur:	CARPENTER, Paul	Research In Motion Limited	
	freeze_meeting:	G: yes U: yes		MCC:	CLAYTON, Michael		
	history (event, available, version, comments):						
	SP-19 2003-03-25 6 . 0 . 0						<a href="#">get it</a> remarks - general: Transfer>TSG#4
							remarks - this release: .

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<b>TS 22.066</b>	<b>Support of Mobile Number Portability (MNP); Stage 1</b>						
Rel-6	current version: 6.1.0	WG (prime / other):	S1 / -	rapporteur:	CLAYTON, Michael	EMCOM Ltd	
	freeze_meeting:	G: yes U: yes		MCC:	CLAYTON, Michael		
	history (event, available, version, comments):						
	SP-18 2002-12-18 6 . 0 . 0						<a href="#">get it</a> remarks - general: Transfer>TSG#4
	SP-20 2003-06-18 6 . 1 . 0						<a href="#">get it</a> remarks - this release: .

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<b>TS 22.067</b>	<b>enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1</b>						
Rel-6	current version: 6.1.0	WG (prime / other):	S1 / -	rapporteur:	SWETINA, Joerg	SIEMENS AG	
	freeze_meeting:	G: yes U: yes		MCC:	CLAYTON, Michael		
	history (event, available, version, comments):						
	SP-18 2002-12-18 6 . 0 . 0						<a href="#">get it</a> remarks - general: Transfer>TSG#4
	SP-20 2003-06-18 6 . 1 . 0						<a href="#">get it</a> remarks - this release: .

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ACTIVE specs Rel-6 22 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

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<b>TS 22.071</b>	<b>Location Services (LCS); Stage 1</b>								
Rel-6	<i>current version:</i> 6.7.0		<i>WG (prime / other):</i> S1 / -		<i>rapporteur:</i> DEOL, Amar			Nortel Networks (USA)	
	<i>freeze_meeting:</i>		G: yes U: yes		<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-16	2002-07-04	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4		
	SP-17	2002-09-17	6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	.		
	SP-18	2002-12-18	6 . 2 . 0		<a href="#">get it</a>				
	SP-19	2003-03-25	6 . 3 . 0		<a href="#">get it</a>				
	SP-20	2003-06-18	6 . 4 . 0		<a href="#">get it</a>				
	SP-21	2003-09-30	6 . 5 . 0		<a href="#">get it</a>				
	SP-22	2004-01-06	6 . 6 . 0		<a href="#">get it</a>				
	SP-23	2004-03-23	6 . 7 . 0		<a href="#">get it</a>				

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<b>TS 22.078</b>	<b>Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1</b>								
Rel-6	<i>current version:</i> 6.4.0		<i>WG (prime / other):</i> S1 / -		<i>rapporteur:</i> GRECH, Michel			Lucent Technologies Network Systems UK	
	<i>freeze_meeting:</i>		G: yes U: yes		<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-18	2003-01-10	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-19	2003-03-25	6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	.		
	SP-21	2003-09-30	6 . 2 . 0		<a href="#">get it</a>				
	SP-22	2004-01-06	6 . 3 . 0		<a href="#">get it</a>				
	SP-23	2004-03-23	6 . 4 . 0		<a href="#">get it</a>				

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<b>TS 22.094</b>	<b>Follow Me service description - Stage 1</b>								
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> S1 / -		<i>rapporteur:</i> HECHWARTNER, Roland			T-Mobile AUSTRIA GmbH	
	<i>freeze_meeting:</i>		G: yes U: yes		<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-22	2004-01-06	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4. GSM only @TSG#5 2003-07-21 (Clayton): S1 have decided to scrap		
						<i>remarks - this release:</i>	. 02,94 R99 in favour of a common GSM/UMTS spec, 22.094.		

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs Rel-6 22 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

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<b>TS 22.101</b>	<b>Service aspects; Service principles</b>						
Rel-6	current version: 6.7.0	WG (prime / other):	S1 / -	rapporteur:	DEOL, Amar	Nortel Networks (USA)	
	freeze_meeting:	G:	U: yes	MCC:	CLAYTON, Michael		
	history (event, available, version, comments):						
	SP-16 2002-07-04	6 . 0 . 0		<a href="#">get it</a>	remarks - general:		
	SP-17 2002-09-17	6 . 1 . 0		<a href="#">get it</a>	remarks - this release: SP-020234 slide 11 justifies existence.		
	SP-18 2002-12-18	6 . 2 . 0		<a href="#">get it</a>			
	SP-19 2003-03-25	6 . 3 . 0		<a href="#">get it</a>			
	SP-20 2003-06-18	6 . 4 . 0		<a href="#">get it</a>			
	SP-21 2003-09-30	6 . 5 . 0		<a href="#">get it</a>			
	SP-22 2004-01-06	6 . 6 . 0		<a href="#">get it</a>			
	SP-23 2004-03-23	6 . 7 . 0		<a href="#">get it</a>			

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<b>TS 22.105</b>	<b>Services and service capabilities</b>						
Rel-6	current version: 6.2.0	WG (prime / other):	S1 / -	rapporteur:	ZARRI, Michele	T-Mobile (UK) Ltd	
	freeze_meeting:	G:	U: yes	MCC:	CLAYTON, Michael		
	history (event, available, version, comments):						
	SP-17 2002-09-17	6 . 0 . 0		<a href="#">get it</a>	remarks - general:		
	SP-19 2003-03-25	6 . 1 . 0		<a href="#">get it</a>	remarks - this release: .		
	SP-20 2003-06-18	6 . 2 . 0		<a href="#">get it</a>			

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<b>TS 22.115</b>	<b>Service Aspects Charging and billing</b>						
Rel-6	current version: 6.4.0	WG (prime / other):	S1 / -	rapporteur:	SCARRONE, Enrico	TELECOM ITALIA S.p.A.	
	freeze_meeting:	G: yes	U: yes	MCC:	CLAYTON, Michael		
	history (event, available, version, comments):						
	SP-19 2003-03-25	6 . 0 . 0		<a href="#">get it</a>	remarks - general:		
	SP-20 2003-06-18	6 . 1 . 0		<a href="#">get it</a>	remarks - this release: .		
	SP-21 2003-09-30	6 . 2 . 0		<a href="#">get it</a>			
	SP-22 2004-01-06	6 . 3 . 0		<a href="#">get it</a>			
	SP-23 2004-03-23	6 . 4 . 0		<a href="#">get it</a>			

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

# 3GPP specification status

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ACTIVE specs Rel-6 22 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

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<b>TS 22.127</b>	<b>Service Requirement for the Open Services Access (OSA); Stage 1</b>								
Rel-6	<i>current version:</i> 6.5.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	SWETINA, Joerg	SIEMENS AG			
	<i>freeze_meeting:</i>	G:	U: yes	<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-16 2002-07-04	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-17 2002-09-17	6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	SP-15: Rel-6 record created on approval of WI "Scope of the Open Service Access Release 6".			
	SP-18 2002-12-18	6 . 2 . 0		<a href="#">get it</a>					
	SP-20 2003-06-18	6 . 3 . 0		<a href="#">get it</a>					
	SP-22 2004-01-06	6 . 4 . 0		<a href="#">get it</a>					
	SP-23 2004-03-23	6 . 5 . 0		<a href="#">get it</a>					
<hr/>									
<b>TS 22.129</b>	<b>Handover requirements between UTRAN and GERAN or other radio systems</b>								
Rel-6	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	SAMPSON, Nick	ORANGE SA			
	<i>freeze_meeting:</i>	G: yes	U: yes	<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-19 2003-03-25	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-22 2004-01-06	6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	.			
<hr/>									
<b>TS 22.140</b>	<b>Multimedia Messaging Service (MMS); Stage 1</b>								
Rel-6	<i>current version:</i> 6.5.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	MEYER, Juergen	SIEMENS AG			
	<i>freeze_meeting:</i>	G:	U: yes	<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-18 2002-12-20	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	(development in T2)			
	SP-19 2003-03-25	6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	.			
	SP-20 2003-06-18	6 . 2 . 0		<a href="#">get it</a>					
	SP-21 2003-09-30	6 . 3 . 0		<a href="#">get it</a>					
	SP-22 2004-01-06	6 . 4 . 0		<a href="#">get it</a>					
	SP-23 2004-03-23	6 . 5 . 0		<a href="#">get it</a>					
<hr/>									
<b>TS 22.141</b>	<b>Presence service; Stage 1</b>								
Rel-6	<i>current version:</i> 6.2.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	WOHLERT, Randolph	SBC Communications Inc.			
	<i>freeze_meeting:</i>	G:	U: yes	<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-16 2002-07-19	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-17 2002-09-17	6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	SP-15: Rel-6 record created due to approval of work item "Presence service enhancements".			
	SP-19 2003-03-25	6 . 2 . 0		<a href="#">get it</a>					

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs Rel-6 22 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

<b>TS 22.146</b>	<b>Multimedia Broadcast/Multicast Service (MBMS); Stage 1</b>											
Rel-6	<i>current version:</i> 6.4.0											
	<i>freeze_meeting:</i>											
	<i>history (event, available, version, comments):</i>											
	SP-16	2002-07-04	6 . 0 . 0									
	SP-17	2002-09-17	6 . 1 . 0									
	SP-19	2003-03-25	6 . 2 . 0									
	SP-22	2004-01-06	6 . 3 . 0									
	SP-23	2004-03-23	6 . 4 . 0									
								<a href="#">get it</a>	<i>remarks - general:</i>	Replaces 22.946. Note that stage 2 is 23.246.		
								<a href="#">get it</a>	<i>remarks - this release:</i>	.		
								<a href="#">get it</a>				
								<a href="#">get it</a>				
								<a href="#">get it</a>				
								<a href="#">get it</a>				
<b>TS 22.174</b>	<b>Push service; Stage 1</b>											
Rel-6	<i>current version:</i> 6.2.0											
	<i>freeze_meeting:</i>											
	<i>history (event, available, version, comments):</i>											
	draft	2002-03-27	0 . 6 . 0	S1-020540								
	draft		0 . 8 . 1						<a href="#">get it</a>	<i>remarks - general:</i>		
									<i>remarks - this release:</i>	SP-15: Timed out of Rel-5. SP-18: S1 seems to have lost interest in this spec. Known to be some holes in it.		
	SP-16		1 . 0 . 0	SP-020230 (inside liaison statement)								
	post SP-16 clean up	2002-07-04	1 . 0 . 1						<a href="#">get it</a>			
	SP-17	2002-09-17	2 . 0 . 0	SP-020571								
	SP-17	2002-09-16	6 . 0 . 0						<a href="#">get it</a>			
	SP-18	2002-12-18	6 . 1 . 0						<a href="#">get it</a>			
	SP-19	2003-03-25	6 . 2 . 0						<a href="#">get it</a>			
<b>TS 22.177</b>	<b>Speech-enabled services; Stage 1</b>											
Rel-6	<i>current version:</i> none											
	<i>freeze_meeting:</i>											
	<i>history (event, available, version, comments):</i>											
										<i>remarks - general:</i>	Spec number reserved; production depends on results of feasibility study (22.977).	
										<i>remarks - this release:</i>	.	

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ACTIVE specs Rel-6 22 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

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<b>TS 22.228</b>	<b>Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1</b>								
Rel-6	current version: 6.5.0	WG (prime / other): S1 /	rapporteur: CATALDO, Mark	Openwave Systems (N.I.) Ltd					
	freeze_meeting:	G: yes U: yes	MCC: CLAYTON, Michael						
	history (event, available, version, comments):								
	SP-16 2002-07-04	6 . 0 . 0	<a href="#">get it</a>	remarks - general:					
	SP-17 2002-09-17	6 . 1 . 0	<a href="#">get it</a>	remarks - this release:	SP-020234 slide 11 justifies existence.				
	SP-19 2003-03-25	6 . 2 . 0	<a href="#">get it</a>						
	SP-20 2003-06-18	6 . 3 . 0	<a href="#">get it</a>						
	SP-21 2003-09-30	6 . 4 . 0	<a href="#">get it</a>						
	SP-22 2004-01-06	6 . 5 . 0	<a href="#">get it</a>						

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<b>TS 22.233</b>	<b>Transparent end-to-end packet-switched streamng service; Stage 1</b>								
Rel-6	current version: 6.3.0	WG (prime / other): S1 /	rapporteur: WATSON, John	VODAFONE Group Plc					
	freeze_meeting:	G: U: yes	MCC: CLAYTON, Michael						
	history (event, available, version, comments):								
	SP-17 2002-09-17	6 . 0 . 0	<a href="#">get it</a>	remarks - general:					
	SP-18 2002-12-18	6 . 1 . 0	<a href="#">get it</a>	remarks - this release:	.				
	SP-19 2003-03-25	6 . 2 . 0	<a href="#">get it</a>						
	SP-21 2003-09-30	6 . 3 . 0	<a href="#">get it</a>						

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<b>TS 22.240</b>	<b>Service requirements for 3GPP Generic User Profile (GUP); Stage 1</b>								
Rel-6	current version: 6.3.0	WG (prime / other): S1 /	rapporteur: BOOTE, Michael	Lucent Technologies Network Systems UK					
	freeze_meeting:	G: U: yes	MCC: CLAYTON, Michael						
	history (event, available, version, comments):								
	SP-17 2002-09-16	1 . 0 . 0	<a href="#">get it</a>	remarks - general:	Cf work item 'Generic user profile'				
	SP-19	2 . 0 . 0		remarks - this release:	SP-17: Expected for SP-18.				
	SP-19 2003-03-25	6 . 0 . 0	<a href="#">get it</a>						
	SP-21 2003-09-30	6 . 1 . 0	<a href="#">get it</a>						
	SP-22 2004-01-06	6 . 2 . 0	<a href="#">get it</a>						
	SP-23 2004-03-23	6 . 3 . 0	<a href="#">get it</a>						

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<b>TS 22.242</b>	<b>Digital Rights Management (DRM); Stage 1</b>								
Rel-6	<i>current version:</i> 6.2.0			<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> WOOD, Nicholas	Openwave Systems (N.I.) Ltd			
	<i>freeze_meeting:</i> SP-18			G: U: yes	MCC: CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	draft ex Kobe	2003-07-29	0 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> SP-18: Stages 2 & 3 to be done by OMA.			
	SP-15	2002-03-19	1 . 0 . 0	SP-020061	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	SP-16	2002-07-04	2 . 0 . 0	SP-020261	<a href="#">get it</a>				
	SP-16	2002-07-04	6 . 0 . 0		<a href="#">get it</a>				
	SP-17	2002-09-17	6 . 1 . 0		<a href="#">get it</a>				
	SP-19	2003-03-25	6 . 2 . 0		<a href="#">get it</a>				
<b>TS 22.243</b>	<b>Speech recognition framework for automated voice services; Stage 1</b>								
Rel-6	<i>current version:</i> 6.4.0			<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> WILLIAMS, David Hugh	QUALCOMM EUROPE S.A.R.L.			
	<i>freeze_meeting:</i>			G: yes U: yes	MCC: CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	brought forwards	2002-01-02	1 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> WI UID = 31006			
	from Rel-5					<i>remarks - this release:</i> Delayed from Rel-5.			
	SP-15	2002-03-27	1 . 2 . 0	S1-020114	<a href="#">get it</a>				
	SP-17	2002-09-19	2 . 0 . 0	SP-020572	<a href="#">get it</a>				
	SP-17	2002-09-16	6 . 0 . 0		<a href="#">get it</a>				
	SP-18	2002-12-18	6 . 1 . 0		<a href="#">get it</a>				
	SP-19	2003-03-25	6 . 2 . 0		<a href="#">get it</a>				
	SP-20	2003-06-18	6 . 3 . 0		<a href="#">get it</a>				
	SP-21	2003-09-30	6 . 4 . 0		<a href="#">get it</a>				
<b>TS 22.246</b>	<b>Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1</b>								
Rel-6	<i>current version:</i> 6.1.0			<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> CURCIO, Igor	NOKIA Corporation			
	<i>freeze_meeting:</i>			G: yes U: yes	MCC: CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	draft		0 . 1 . 0			<i>remarks - general:</i> SP-20: WID = SP-030347.			
	S1-21		0 . 2 . 0			<i>remarks - this release:</i> .			
	SP-21	2003-09-29	1 . 0 . 0	SP-030511	<a href="#">get it</a>				
	SP-22	2004-05-05	2 . 0 . 0	SP-030708	<a href="#">get it</a>				
	SP-22	2004-01-06	6 . 0 . 0		<a href="#">get it</a>				
	SP-23	2004-03-23	6 . 1 . 0		<a href="#">get it</a>				

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<b>TS 22.250</b>	<b>IP Multimedia Subsystem (IMS) Group Management; Stage 1</b>								
Rel-6	current version: 6.0.0	WG (prime / other):	S1 /	rapporteur:	LAATU, Juho	NOKIA Corporation			
	freeze_meeting:	G:	U: yes	MCC:	CLAYTON, Michael				
	history (event, available, version, comments):								
	draft 2002-04-24	0	. 1 . 0						
	SP-17 2002-09-16	1	. 0 . 0						SP-020566
	SP-18 2002-12-18	2	. 0 . 0						SP-020669
	SP-18 2002-12-18	6	. 0 . 0						
				<a href="#">get it</a>	remarks - general:				
				<a href="#">get it</a>	remarks - this release:				
				<a href="#">get it</a>					
				<a href="#">get it</a>					

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<b>TS 22.340</b>	<b>IP Multimedia Subsystem (IMS) messaging; Stage 1</b>								
Rel-6	current version: 6.1.0	WG (prime / other):	S1 /	rapporteur:	LAATU, Juho	NOKIA Corporation			
	freeze_meeting:	G:	U: yes	MCC:	CLAYTON, Michael				
	history (event, available, version, comments):								
	SP-18 2002-12-18	2	. 0 . 0						SP-020671
	SP-18 2002-12-18	6	. 0 . 0						
	SP-19 2003-03-25	6	. 1 . 0						
				<a href="#">get it</a>	remarks - general:	2002-10-08: created from 22.940.			
				<a href="#">get it</a>	remarks - this release:				
				<a href="#">get it</a>					

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<b>TR 22.800</b>	<b>IP Multimedia Subsystem (IMS) subscription and access scenarios</b>								
Rel-6	current version: 6.0.0	WG (prime / other):	S1 /	rapporteur:	FRANK, Robert	TeliaSonera AB			
	freeze_meeting:	G:	U: yes	MCC:	CLAYTON, Michael				
	history (event, available, version, comments):								
	S1-18	0	. 0 . 5						S1-022295
	SP-18 2002-12-20	0	. 1 . 0						(annex to liaison)
				<a href="#">get it</a>	remarks - general:				
				<a href="#">get it</a>	remarks - this release:	SP-20: seems difficult to reach agreement; expect it for info at SP-21, simply cleaned up but technically incomplete.			
	SP-19 2003-03-24	1	. 0 . 0						SP-030037
	SP-21 2003-09-29	2	. 0 . 0						SP-030471
	SP-21 2003-09-30	6	. 0 . 0						
				<a href="#">get it</a>					
				<a href="#">get it</a>					
				<a href="#">get it</a>					

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<b>TR 22.857</b>	<b>Run-time independent framework feasibility study</b>								
Rel-6	current version: 6.0.0	WG (prime / other):	T2 /	rapporteur:	WOODWARD, Ernest	INTEL CORPORATION SARL			
	freeze_meeting:	G: yes	U: yes	MCC:	RODERMUND, Friedhelm				
	history (event, available, version, comments):								
	TP-17 2002-08-30	1	. 0 . 0						
	TP-18 2002-12-03	2	. 0 . 0						TP-020274
	TP-18 2002-12-20	6	. 0 . 0						
				<a href="#">get it</a>	remarks - general:				
				<a href="#">get it</a>	remarks - this release:				
				<a href="#">get it</a>					

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<b>TR 22.934</b>	<b>Feasibility study on 3GPP system to Wireless Local Area Network (WLAN) interworking</b>								
Rel-6	<i>current version:</i> 6.2.0		<i>WG (prime / other):</i> S1 / -		<i>rapporteur:</i> YOUNGE, Mark		T-Mobile USA Inc.		
	<i>freeze_meeting:</i> SP-18		G: U: yes		<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-15 2002-03-19	1 . 0 . 0	SP-020059	<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-17 2002-09-19	2 . 0 . 0	SP-020569	<a href="#">get it</a>	<i>remarks - this release:</i>	SP-18: tentative conclusion is that no specific stage 1 spec required, just CRs to other specs.			
	SP-17 2002-09-16	6 . 0 . 0		<a href="#">get it</a>					
	SP-18 2002-12-18	6 . 1 . 0		<a href="#">get it</a>					
	SP-21 2003-09-30	6 . 2 . 0		<a href="#">get it</a>					
<hr/>									
<b>TR 22.940</b>	<b>IP Multimedia Subsystem (IMS) messaging; Stage 1</b>								
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> S1 /		<i>rapporteur:</i> LAATU, Juho		NOKIA Corporation		
	<i>freeze_meeting:</i>		G: U: yes		<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	draft 2002-03-26	0 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	2002-10-08: -> 22.340. This TR to be withdrawn at SP-18. SP-18: No! In fact,			
	draft 2002-07-19	0 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	2002-10-08: -> 22.340. This TR to be withdrawn at SP-18. SP-18: No! In fact,			
	unwithdrawn and approved!								
	SP-16 2002-07-19	0 . 2 . 0		<a href="#">get it</a>					
	SP-17 2002-09-16	1 . 0 . 0	SP-020567	<a href="#">get it</a>					
	SP-18 2002-12-18	2 . 0 . 0	SP-020670	<a href="#">get it</a>					
	SP-18 2002-12-18	6 . 0 . 0		<a href="#">get it</a>					
<hr/>									
<b>TR 22.949</b>	<b>Study on a generalized privacy capability</b>								
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> S1 / -		<i>rapporteur:</i> BOOTE, Michael		Lucent Technologies Network Systems UK		
	<i>freeze_meeting:</i>		G: U: yes		<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	S1-20 2003-06-25	0 . 1 . 0	S1-030498	<a href="#">get it</a>	<i>remarks - general:</i>	WI: PrivCap.			
	draft 2003-10-10	0 . 3 . 0	S1-030932	<a href="#">get it</a>	<i>remarks - this release:</i>	.			
	SP-22 2004-01-05	1 . 0 . 0	SP-030718	<a href="#">get it</a>					
	SP-23 2004-03-22	2 . 0 . 0	SP-040099	<a href="#">get it</a>					
	SP-23 2004-03-24	6 . 0 . 0		<a href="#">get it</a>					
<hr/>									

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<b>TR 22.950</b>	<b>Priority service feasibility study</b>							
Rel-6	current version: 6.2.0			WG (prime / other): S1 / -	rapporteur: GARRAHAN, James	Telcordia Technologies, Inc.		
	freeze_meeting:			G: yes U: yes	MCC: CLAYTON, Michael			
	history (event, available, version, comments):							
	SP-15 2002-03-19	1 . 0 . 0	SP-020060	<a href="#">get it</a>	remarks - general:	Additional rapporteur: B Pramanik (Telcordia). Work item = PRIOR.		
	draft	1 . 1 . 0			remarks - this release:	.		
	SP-16 2002-07-04	2 . 0 . 0	SP-020260	<a href="#">get it</a>				
	SP-16 2002-07-04	6 . 0 . 0		<a href="#">get it</a>				
	SP-18 2002-12-18	6 . 1 . 0		<a href="#">get it</a>				
	SP-19 2003-03-25	6 . 2 . 0		<a href="#">get it</a>				
<b>TR 22.951</b>	<b>Service aspects and requirements for network sharing</b>							
Rel-6	current version: 6.1.0			WG (prime / other): S1 /	rapporteur: ZARRI, Michele	T-Mobile (UK) Ltd		
	freeze_meeting:			G: yes U: yes	MCC: CLAYTON, Michael			
	history (event, available, version, comments):							
	draft	0 . 0 . 0	S1-020342		remarks - general:			
	SP-17 2002-09-16	1 . 0 . 0	SP-020565	<a href="#">get it</a>	remarks - this release:	TP-16: anticipate v1.0.0 at TP-17.		
	SP-18 2002-12-18	2 . 0 . 0	SP-020668	<a href="#">get it</a>				
	SP-18 2002-12-18	6 . 0 . 0		<a href="#">get it</a>				
	SP-19 2003-03-25	6 . 1 . 0		<a href="#">get it</a>				
<b>TR 22.952</b>	<b>Priority service guide</b>							
Rel-6	current version: 6.0.0			WG (prime / other): S1 / -	rapporteur: GARRAHAN, James	Telcordia Technologies, Inc.		
	freeze_meeting:			G: yes U: yes	MCC: CLAYTON, Michael			
	history (event, available, version, comments):							
	S1-19	0 . 1 . 0			remarks - general:	Work item = PRIOR.		
	S1-19	0 . 2 . 0			remarks - this release:	SP-21: S2: "No stage 2 TS needed." Target is to approve at SP-22. SP-22: Concerns that the TR may have been drafted to meet US legislation only.		
	draft	0 . 3 . 0						
	draft	0 . 4 . 0						
	S1-20	0 . 5 . 0						
	S1-21	0 . 6 . 0						
	SP-21 2003-09-29	1 . 0 . 0	SP-030470	<a href="#">get it</a>				
	SP-22 2004-01-05	2 . 0 . 0	SP-030709	<a href="#">get it</a>				
	SP-22 2004-01-09	6 . 0 . 0		<a href="#">get it</a>				

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## TR 22.977 Feasibility study for speech-enabled services

Rel-6 *current version:* 6.0.0 *WG (prime / other):* S1 / *rapporteur:* ZARRI, Michele T-Mobile (UK) Ltd  
*freeze\_meeting:* G: U: yes *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
S1-14 0 . 0 . 0 *remarks - general:*  
S1-15 0 . 1 . 0 *remarks - this release:* .  
S1 SES 0 . 2 . 0  
S1 SES 0 . 3 . 0  
SP-16 2002-07-04 1 . 0 . 0 SP-020259 [get it](#)  
SP-17 2002-09-19 2 . 0 . 0 SP-020570 [get it](#)  
SP-17 2002-09-16 6 . 0 . 0 [get it](#)

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Rel-6 23 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/23\\_series](http://www.3gpp.org/ftp/Specs/archive/23_series)

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## TS 23.002 Network architecture

Rel-6 *current version:* 6.4.0 *WG (prime / other):* S2 / - *rapporteur:* MILINSKI, Alexander SIEMENS AG  
*freeze\_meeting:* G: yes U: yes *MCC:* YOON, Sang-Ui  
*history (event, available, version, comments):*  
SP-19 2003-03-27 6 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4,CR at TSG#5  
correct cover 2003-03-31 6 . 0 . 1 [get it](#) *remarks - this release:* .  
sheet post SP-19  
SP-20 2003-06-20 6 . 1 . 0 [get it](#)  
SP-21 2003-10-01 6 . 2 . 0 [get it](#)  
SP-22 2004-01-06 6 . 3 . 0 [get it](#)  
SP-23 2004-04-01 6 . 4 . 0 [get it](#)

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## TS 23.003 Numbering, addressing and identification

Rel-6 *current version:* 6.2.0 *WG (prime / other):* N4 / - *rapporteur:* RUSSELL, Nick VODAFONE LTD  
*freeze\_meeting:* G: yes U: yes *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
NP-21 2003-10-09 6 . 0 . 0 [get it](#) *remarks - general:*  
NP-22 2004-01-12 6 . 1 . 0 [get it](#) *remarks - this release:* .  
NP-23 2004-03-23 6 . 2 . 0 Implements, inter alia, CR083r2  
accidentally omitted from v6.1.0. [get it](#)

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<b>TS 23.007</b>	<b>Restoration procedures</b>					
Rel-6	current version: 6.0.0	WG (prime / other):	N4 / -	rapporteur:	RUSSELL, Nick	VODAFONE LTD
	freeze_meeting:	G: yes	U: yes	MCC:	KYMALAINEN, Kimmo	
	history (event, available, version, comments):					
	NP-23 2004-03-23 6 . 0 . 0			<a href="#">get it</a>	remarks - general:	
					remarks - this release:	.
<hr/>						
<b>TS 23.008</b>	<b>Organisation of subscriber data</b>					
Rel-6	current version: 6.1.0	WG (prime / other):	N4 / -	rapporteur:	BAUER, Rolf	ALCATEL SEL AG
	freeze_meeting:	G: yes	U: yes	MCC:	KYMALAINEN, Kimmo	
	history (event, available, version, comments):					
	NP-22 2004-01-12 6 . 0 . 0			<a href="#">get it</a>	remarks - general:	
	NP-23 2004-03-23 6 . 1 . 0			<a href="#">get it</a>	remarks - this release:	.
<hr/>						
<b>TS 23.011</b>	<b>Technical realization of Supplementary Services</b>					
Rel-6	current version: 6.0.0	WG (prime / other):	N4 / -	rapporteur:	CONRAD, Alan	T-MOBILE DEUTSCHLAND
	freeze_meeting:	G: yes	U: yes	MCC:	KYMALAINEN, Kimmo	
	history (event, available, version, comments):					
	NP-19 2003-04-04 6 . 0 . 0			<a href="#">get it</a>	remarks - general:	
					remarks - this release:	.
<hr/>						
<b>TS 23.012</b>	<b>Location management procedures</b>					
Rel-6	current version: 6.0.0	WG (prime / other):	N4 / -	rapporteur:	KYMALAINEN, Kimmo	TeliaSonera AB
	freeze_meeting:	G: yes	U: yes	MCC:	KYMALAINEN, Kimmo	
	history (event, available, version, comments):					
	NP-23 2004-03-23 6 . 0 . 0			<a href="#">get it</a>	remarks - general:	
					remarks - this release:	.
<hr/>						
<b>TS 23.016</b>	<b>Subscriber data management; Stage 2</b>					
Rel-6	current version: 6.1.0	WG (prime / other):	N4 / -	rapporteur:	WIEHE, Ulrich	Gesellschaft für Kommunikations Software
	freeze_meeting:	G: yes	U: yes	MCC:	KYMALAINEN, Kimmo	
	history (event, available, version, comments):					
	NP-19 2003-04-04 6 . 0 . 0			<a href="#">get it</a>	remarks - general:	
	NP-23 2004-03-23 6 . 1 . 0			<a href="#">get it</a>	remarks - this release:	.

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<b>TS 23.018</b>	<b>Basic Call Handling; Technical realization</b>				
Rel-6	<i>current version:</i> 6.2.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David	VODAFONE LTD	
	<i>freeze_meeting:</i>	G: yes U: yes	MCC:	Chalmers KYMALAINEN, Kimmo	
	<i>history (event, available, version, comments):</i>				
	NP-21 2003-10-09 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	NP-22 2004-01-12 6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .	
	NP-23 2004-03-23 6 . 2 . 0		<a href="#">get it</a>		
<hr/>					
<b>TS 23.038</b>	<b>Alphabets and language-specific information</b>				
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Research In Motion Limited	
	<i>freeze_meeting:</i>	G: yes U: yes	MCC:	RODERMUND, Friedhelm	
	<i>history (event, available, version, comments):</i>				
	TP-21 2003-10-03 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
				<i>remarks - this release:</i> .	
<hr/>					
<b>TS 23.040</b>	<b>Technical realization of Short Message Service (SMS)</b>				
Rel-6	<i>current version:</i> 6.3.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Research In Motion Limited	
	<i>freeze_meeting:</i>	G: yes U: yes	MCC:	RODERMUND, Friedhelm	
	<i>history (event, available, version, comments):</i>				
	TP-17 2002-09-18 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> 2003-12-03: Note that this spec also contains stage 3.	
	post TP-17: adds 2002-09-24 6 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> .	
	test vector file				
	TP-20 2003-06-26 6 . 1 . 0		<a href="#">get it</a>		
	TP-21 2003-10-08 6 . 2 . 0		<a href="#">get it</a>		
	TP-23 2004-03-26 6 . 3 . 0		<a href="#">get it</a>		
<hr/>					
<b>TS 23.041</b>	<b>Technical realization of Cell Broadcast Service (CBS)</b>				
Rel-6	<i>current version:</i> 6.2.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Research In Motion Limited	
	<i>freeze_meeting:</i>	G: yes U: yes	MCC:	RODERMUND, Friedhelm	
	<i>history (event, available, version, comments):</i>				
	TP-17 2002-09-18 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
	TP-19 2003-03-25 6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .	
	TP-22 2004-01-09 6 . 2 . 0		<a href="#">get it</a>		

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<b>TS 23.057</b>	<b>Mobile Execution Environment (MExE); Functional description; Stage 2</b>								
Rel-6	<i>current version:</i> 6.2.0	<i>WG (prime / other):</i>	T2 / -	<i>rapporteur:</i>	BRENK, Lars	TTP Communications plc			
	<i>freeze_meeting:</i>	G: yes U: yes		<i>MCC:</i>	RODERMUND, Friedhelm				
	<i>history (event, available, version, comments):</i>								
	TP-16 2002-06-28 6 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	Apr-2001: " Station Application" removed from title.				
	TP-17 2002-09-18 6 . 1 . 0	<a href="#">get it</a>		<i>remarks - this release:</i>	.				
	TP-21 2003-10-14 6 . 2 . 0	<a href="#">get it</a>							
<hr/>									
<b>TS 23.060</b>	<b>General Packet Radio Service (GPRS); Service description; Stage 2</b>								
Rel-6	<i>current version:</i> 6.4.0	<i>WG (prime / other):</i>	S2 / -	<i>rapporteur:</i>	KUCHIBHOTLA, Ravi	MOTOROLA Ltd			
	<i>freeze_meeting:</i>	G: yes U: yes		<i>MCC:</i>	YOON, Sang-Ui				
	<i>history (event, available, version, comments):</i>								
	SP-19 2003-03-27 6 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	Transfer>TSG#4				
	SP-20 2003-06-20 6 . 1 . 0	<a href="#">get it</a>		<i>remarks - this release:</i>	.				
	SP-21 2003-10-01 6 . 2 . 0	<a href="#">get it</a>							
	SP-22 2004-01-06 6 . 3 . 0	<a href="#">get it</a>							
	SP-23 2004-04-01 6 . 4 . 0	<a href="#">get it</a>							
<hr/>									
<b>TS 23.067</b>	<b>Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2</b>								
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i>	N4 / -	<i>rapporteur:</i>	SCHMITT, Peter	SIEMENS AG			
	<i>freeze_meeting:</i>	G: yes U: yes		<i>MCC:</i>	KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>								
	NP-19 2003-04-04 6 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>					
				<i>remarks - this release:</i>	.				
<hr/>									
<b>TS 23.078</b>	<b>customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2</b>								
Rel-6	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i>	N2 / -	<i>rapporteur:</i>	HOMANN, Christian	ALCATEL SEL AG			
	<i>freeze_meeting:</i>	G: yes U: yes		<i>MCC:</i>	JURISIC, Andrijana				
	<i>history (event, available, version, comments):</i>								
	NP-22 2004-01-07 6 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	CR at TSG#4,CR at TSG#5				
	NP-23 2004-04-01 6 . 1 . 0	<a href="#">get it</a>		<i>remarks - this release:</i>	.				
<hr/>									
<b>TS 23.088</b>	<b>Call Barring (CB) Supplementary Service; Stage 2</b>								
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i>	N4 / -	<i>rapporteur:</i>	WIEHE, Ulrich	Gesellschaft für Kommunikations Software			
	<i>freeze_meeting:</i>	G: yes U: yes		<i>MCC:</i>	KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>								
	NP-19 2003-04-04 6 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>					
				<i>remarks - this release:</i>	.				

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<b>TS 23.127</b>	<b>Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2</b>								
Rel-6	current version: 6.0.0	WG (prime / other):	S2 / -	rapporteur:	GOURRAUD, Christophe	ERICSSON RESEARCH CANADA			
	freeze_meeting:	G:	U: yes	MCC:	YOON, Sang-Ui				
	history (event, available, version, comments):								
	SP-18 2003-01-10 6 . 0 . 0	<a href="#">get it</a>		remarks - general:	Sept 00: "Open Service Architecture" removed from title.				
				remarks - this release:	SP-15: Rel-6 record created on approval of WI "Scope of the Open Service Access Release 6".				
<hr/>									
<b>TS 23.140</b>	<b>Multimedia Messaging Service (MMS); Functional description; Stage 2</b>								
Rel-6	current version: 6.5.0	WG (prime / other):	T2 / -	rapporteur:	LAUMEN, Josef	INFINEON TECHNOLOGIES			
	freeze_meeting:	G: yes	U: yes	MCC:	RODERMUND, Friedhelm				
	history (event, available, version, comments):								
	TP-18 2002-12-20 6 . 0 . 0	<a href="#">get it</a>		remarks - general:	2003-12-03: Note that this spec also contains stage 3.				
	TP-19 2003-03-31 6 . 1 . 0	<a href="#">get it</a>		remarks - this release:	TP-22: Discussed whether this work would be transferred to OMA for future Releases (I.e. beyond Rel-6). But there are IPR problems.				
	TP-20 2003-06-26 6 . 2 . 0	<a href="#">get it</a>							
	TP-21 2003-10-08 6 . 3 . 0	<a href="#">get it</a>							
	TP-22 2004-01-12 6 . 4 . 0	<a href="#">get it</a>							
	TP-23 2004-03-26 6 . 5 . 0	<a href="#">get it</a>							
<hr/>									
<b>TS 23.141</b>	<b>Presence service; Architecture and functional description; Stage 2</b>								
Rel-6	current version: 6.5.0	WG (prime / other):	S2 /	rapporteur:	BERTENYI, Balazs	NOKIA Corporation			
	freeze_meeting:	G:	U: yes	MCC:	YOON, Sang-Ui				
	history (event, available, version, comments):								
	draft 2002-06-17 0 . 0 . 0	<a href="#">get it</a>		remarks - general:					
	SP-17 2002-10-04 1 . 0 . 0	<a href="#">get it</a>		remarks - this release:	. . .				
	SP-17 2002-10-07 6 . 0 . 0	<a href="#">get it</a>							
	SP-18 2003-01-10 6 . 1 . 0	<a href="#">get it</a>							
	SP-19 2003-03-27 6 . 2 . 0	<a href="#">get it</a>							
	SP-20 2003-06-20 6 . 3 . 0	<a href="#">get it</a>							
	SP-21 2003-10-01 6 . 4 . 0	<a href="#">get it</a>							
	SP-23 2004-04-01 6 . 5 . 0	<a href="#">get it</a>							

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<b>TS 23.172</b>	<b>Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2</b>								
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> N3 / -		<i>rapporteur:</i> HUSLENDE, Ragnar		Telefon AB LM Ericsson		
	<i>freeze_meeting:</i>		G: U: yes		<i>MCC:</i> BOSWARTHICK, David				
	<i>history (event, available, version, comments):</i>								
	NP-23 2004-03-22 6 . 0 . 0							<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
<hr/>									
<b>TS 23.174</b>	<b>Push service; stage 2</b>								
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> S2 /		<i>rapporteur:</i> WOLAK, Stephen		VODAFONE Group Plc		
	<i>freeze_meeting:</i>		G: U: yes		<i>MCC:</i> YOON, Sang-Ui				
	<i>history (event, available, version, comments):</i>								
									<i>remarks - general:</i> Rapporteur: "note that there are currently no plans for a Push stage 2 but it is good to <i>remarks - this release:</i> SP-17: Rel-5 -> Rel-6 to accord with stage 1. reserve the number just in case ...".
<hr/>									
<b>TS 23.207</b>	<b>End-to-end Quality of Service (QoS) concept and architecture</b>								
Rel-6	<i>current version:</i> 6.2.0		<i>WG (prime / other):</i> S2 / -		<i>rapporteur:</i> OYAMA, Johnson		Nippon Ericsson K.K.		
	<i>freeze_meeting:</i>		G: yes U: yes		<i>MCC:</i> YOON, Sang-Ui				
	<i>history (event, available, version, comments):</i>								
	SP-21 2003-10-01 6 . 0 . 0							<a href="#">get it</a>	<i>remarks - general:</i>
	SP-22 2004-01-06 6 . 1 . 0							<a href="#">get it</a>	<i>remarks - this release:</i> .
	SP-22 2004-01-22 6 . 1 . 1	Implements CRs 65, 66, 67						<a href="#">get it</a>	
	SP-23 2004-04-01 6 . 2 . 0							<a href="#">get it</a>	
<hr/>									
<b>TS 23.218</b>	<b>IP Multimedia (IM) session handling; IM call model; Stage 2</b>								
Rel-6	<i>current version:</i> 6.1.0		<i>WG (prime / other):</i> N1 / -		<i>rapporteur:</i> DRAGE, Keith		Lucent Technologies Network Systems UK		
	<i>freeze_meeting:</i>		G: yes U: yes		<i>MCC:</i> JORGENSEN, Per Johan				
	<i>history (event, available, version, comments):</i>								
	NP-22 2004-01-06 6 . 0 . 0							<a href="#">get it</a>	<i>remarks - general:</i>
	NP-23 2004-03-22 6 . 1 . 0							<a href="#">get it</a>	<i>remarks - this release:</i> .
<hr/>									
<b>TS 23.221</b>	<b>Architectural requirements</b>								
Rel-6	<i>current version:</i> 6.2.0		<i>WG (prime / other):</i> S2 / -		<i>rapporteur:</i> DANIEL, Elizabeth		Lucent Technologies Network Systems UK		
	<i>freeze_meeting:</i>		G: yes U: yes		<i>MCC:</i> YOON, Sang-Ui				
	<i>history (event, available, version, comments):</i>								
	SP-19 2003-03-27 6 . 0 . 0							<a href="#">get it</a>	<i>remarks - general:</i> Derived from R99-specific 23.121
	SP-21 2003-10-01 6 . 1 . 0							<a href="#">get it</a>	<i>remarks - this release:</i> .
	SP-23 2004-04-01 6 . 2 . 0							<a href="#">get it</a>	

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## TS 23.228 IP Multimedia Subsystem (IMS); Stage 2

Rel-6 *current version:* 6.5.0 *WG (prime / other):* S2 / - *rapporteur:* TOWLE, Thomas Lucent Technologies

*freeze\_meeting:*

*G:* yes *U:* yes *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

SP-18	2003-01-07	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
edito post	SP-18	2003-01-07	6 . 0 . 1	corrects Rel shown on front cover.	<a href="#">get it</a>	<i>remarks - this release:</i> SP-21: Envisage modifications to cater for PoC feature.
SP-19	2003-03-27	6 . 1 . 0		<a href="#">get it</a>		
SP-20	2003-06-23	6 . 2 . 0		<a href="#">get it</a>		
SP-21	2003-10-01	6 . 3 . 0		<a href="#">get it</a>		
SP-22		6 . 4 . 0	never issued			
SP-22	2004-01-06	6 . 4 . 1	corrects omitted CR	<a href="#">get it</a>		
SP-23	2004-04-01	6 . 5 . 0		<a href="#">get it</a>		

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## TS 23.234 3GPP system to Wireless Local Area Network (WLAN) interworking; System description

Rel-6 *current version:* 6.0.0 *WG (prime / other):* S2 / - *rapporteur:* MARTIQUET, Nicolas France Telecom

*freeze\_meeting:*

*G:* *U:* yes *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

conversion from		0 . 1 . 0			<i>remarks - general:</i>
23.934 v0.5.0					<i>remarks - this release:</i> SP-18: Anticipate approval SP-19. SP-19: Doc has been split into scenario 2 and scenario 3 parts, and will be for approval at SP-20.
SP-17	2002-10-04	1 . 0 . 0	SP-020537 Title on doc does not coincide with database (which bears same title as 23.934).	<a href="#">get it</a>	
draft	2003-01-06	1 . 2 . 1		<a href="#">get it</a>	
draft	2003-01-08	1 . 3 . 0		<a href="#">get it</a>	
SP-19	2003-03-24	1 . 6 . 0	Annexed to LS in SP-030065 (ex S2-030727),	<a href="#">get it</a>	
S2-31		1 . 7 . 0			
draft	2003-04-25	1 . 8 . 0		<a href="#">get it</a>	
SP-20	2003-06-17	1 . 10 . 0	SP-030313	<a href="#">get it</a>	
S2-34		1 . 14 . 0			
SP-21	2003-09-29	2 . 0 . 0	SP-030391. Not approved - many outstanding issues (no. of scenarios, tunnelling, ...)	<a href="#">get it</a>	
SP-22	2003-12-02	2 . 3 . 0	S2-034357 = SP-030714, also as annex to SP-030664. But anticipate input from GSMA. Not aprvd.	<a href="#">get it</a>	
draft	2004-01-27	2 . 4 . 0		<a href="#">get it</a>	
SP-23	2004-04-07	2 . 5 . 0	SP-040049	<a href="#">get it</a>	
SP-23	2004-04-01	6 . 0 . 0	Much editorial work still to be done.	<a href="#">get it</a>	

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## TS 23.240 3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)

Rel-6 *current version:* 6.3.0 *WG (prime / other):* S2 / *rapporteur:* KOSKINEN, Harri Nokia Telecommunications Inc.  
*freeze\_meeting:* G: U: yes *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

SP-19	2003-03-24	1	.	0	.	0	S2-030944 -> SP-030031	<a href="#">get it</a>	<i>remarks - general:</i> Cf work item 'Generic user profile'
S2-31	2003-04-22	1	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> SP-19: moved from Rel-5
S2-32	2003-05-26	1	.	2	.	0	S2-032170	<a href="#">get it</a>	
SP-20	2003-05-26	2	.	0	.	0	S2-032171 -> SP-030310	<a href="#">get it</a>	
SP-20	2003-06-20	6	.	0	.	0		<a href="#">get it</a>	
SP-21	2003-10-01	6	.	1	.	0		<a href="#">get it</a>	
SP-22	2004-01-06	6	.	2	.	0		<a href="#">get it</a>	
SP-23	2004-04-01	6	.	3	.	0		<a href="#">get it</a>	

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## TS 23.241 3GPP Generic User Profile (GUP); Stage 2; Data Description Method (DDM)

Rel-6 *current version:* 6.0.0 *WG (prime / other):* T2 / *rapporteur:* BISCHINGER, Kurt T-Mobile AUSTRIA GmbH  
*freeze\_meeting:* G: U: yes *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*

draft	2002-05-28	0	.	3	.	0		<a href="#">get it</a>	<i>remarks - general:</i> Cf work item 'Generic user profile'
draft		0	.	3	.	1			<i>remarks - this release:</i> RP-15: Delayed from Rel-5.
draft		0	.	3	.	2			
draft		0	.	3	.	3			
draft		0	.	3	.	4			
draft		0	.	3	.	5			
draft		0	.	4	.	0			
draft		0	.	4	.	1			
draft		0	.	4	.	2			
draft	2003-09-12	0	.	4	.	3		<a href="#">get it</a>	
TP-22	2004-01-05	1	.	0	.	0	TP-030271	<a href="#">get it</a>	
draft		1	.	0	.	1	T2-040021		
TP-23 ex T2-24	2004-03-22	2	.	0	.	0	T2-040109 -> TP-040051	<a href="#">get it</a>	
TP-23	2004-03-25	6	.	0	.	0		<a href="#">get it</a>	

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<b>TS 23.246</b>	<b>Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description</b>					
Rel-6	current version: 6.2.0			WG (prime / other): S2 /	rapporteur: JARVIS, Andre	Hutchison 3G UK Ltd (3)
	freeze_meeting:			G: U: yes	MCC: YOON, Sang-Ui	
	history (event, available, version, comments):					
	draft	0 . 0 . 0			remarks - general:	Note that stage 1 is 22.146. Meanwhile, stage 2 scenarios are worked on in 23.846.
	S2-27 2002-11-14	0 . 1 . 0		<a href="#">get it</a>	remarks - this release:	SP-15: from Rel-5.
	S2-28	0 . 2 . 0				
add TS number	2002-12-18	0 . 2 . 1		<a href="#">get it</a>		
	S2-29 2003-02-24	0 . 3 . 0		<a href="#">get it</a>		
	S2-30	0 . 4 . 0	SP-19: was to have been SP-030128 but never presented (withdrawn unseen from mtg)			
	S2-31 2003-04-29	0 . 5 . 0		<a href="#">get it</a>		
	S2-32	0 . 6 . 0				
	SP-20 2003-06-17	1 . 0 . 0	SP-030312	<a href="#">get it</a>		
	S2-33 2003-07-17	1 . 1 . 0		<a href="#">get it</a>		
	S2-34	1 . 2 . 0				
editorial		1 . 2 . 1				
	SP-21 2003-09-29	2 . 0 . 0	SP-030390	<a href="#">get it</a>		
	SP-21 2003-10-08	6 . 0 . 0		<a href="#">get it</a>		
	SP-22 2004-01-06	6 . 1 . 0		<a href="#">get it</a>		
	SP-23 2004-04-01	6 . 2 . 0		<a href="#">get it</a>		

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<b>TS 23.251</b>	<b>Network sharing; Architecture and functional description</b>					
Rel-6	current version: 0.2.1		DRAFT	WG (prime / other): S2 /	rapporteur: NILSSON, Ulf	TeliaSonera AB
	freeze_meeting:			G: U: yes	MCC: YOON, Sang-Ui	
	history (event, available, version, comments):					
	draft	0 . 0 . 0			remarks - general:	WI UID = 32044
	draft 2004-05-07	0 . 1 . 0		<a href="#">get it</a>	remarks - this release:	.
	draft	0 . 2 . 0				
	draft 2004-05-26	0 . 2 . 1	fixes ToC	<a href="#">get it</a>		

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 23.271</b>	<b>Location Services (LCS); Functional description; Stage 2</b>										
Rel-6	<i>current version:</i> 6.7.0		<i>WG (prime / other):</i> S2 / -		<i>rapporteur:</i> WONG, Gavin	VODAFONE Group Plc					
	<i>freeze_meeting:</i>		<i>G:</i> yes <i>U:</i> yes		<i>MCC:</i> YOON, Sang-Ui						
	<i>history (event, available, version, comments):</i>										
	SP-16	2002-06-18	6 . 0 . 0		<a href="#">get it</a>			<i>remarks - general:</i>	post-TSG#8: Recombined 2G and 3G spec for R00 onwards.		
	SP-17	2002-10-02	6 . 1 . 0		<a href="#">get it</a>			<i>remarks - this release:</i>	Continues 23.871		
	SP-18	2003-01-09	6 . 2 . 0		<a href="#">get it</a>						
	SP-19	2003-03-27	6 . 3 . 0		<a href="#">get it</a>						
	SP-20	2003-06-23	6 . 4 . 0		<a href="#">get it</a>						
	SP-21	2003-10-02	6 . 5 . 0		<a href="#">get it</a>						
	SP-22	2004-01-06	6 . 6 . 0		<a href="#">get it</a>						
	SP-23	2004-04-01	6 . 7 . 0		<a href="#">get it</a>						
<b>TR 23.801</b>	<b>Potential mechanisms for Circuit Switched (CS) domain video and voice service improvements</b>										
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> S2 /		<i>rapporteur:</i> PUDNEY, Chris	VODAFONE Group Plc					
	<i>freeze_meeting:</i>		<i>G:</i> <i>U:</i> yes		<i>MCC:</i> YOON, Sang-Ui						
	<i>history (event, available, version, comments):</i>							<i>remarks - general:</i>	WI = SP-040043		
								<i>remarks - this release:</i>	.		
<b>TR 23.835</b>	<b>Study into applicability of Galileo in Location Services (LCS)</b>										
Rel-6	<i>current version:</i> 1.0.0	DRAFT	<i>WG (prime / other):</i> S2 / -		<i>rapporteur:</i> DAMIDAUX, Jean-louis	ALCATEL S.A.					
	<i>freeze_meeting:</i>		<i>G:</i> <i>U:</i> yes		<i>MCC:</i> YOON, Sang-Ui						
	<i>history (event, available, version, comments):</i>							<i>remarks - general:</i>	WID contained in S2-022472. See also		
	S2-30		0 . 0 . 0		<a href="#">get it</a>			<i>remarks - this release:</i>	. <a href="http://www.esa.int/export/esaSA/GGGMX650NDC_navigation_0.html">http://www.esa.int/export/esaSA/GGGMX650NDC_navigation_0.html</a> .		
	S2-31	2003-04-14	0 . 0 . 1	S2-031153							
	S2-31		0 . 0 . 2								
	S2-31		0 . 1 . 0								
	S2-31		0 . 2 . 0								
	SP-20	2003-05-28	1 . 0 . 0	SP-030311	<a href="#">get it</a>						
<b>TR 23.841</b>	<b>Presence service architecture</b>										
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> S2 /		<i>rapporteur:</i> BERTENYI, Balazs	NOKIA Corporation					
	<i>freeze_meeting:</i>		<i>G:</i> <i>U:</i> yes		<i>MCC:</i> YOON, Sang-Ui						
	<i>history (event, available, version, comments):</i>							<i>remarks - general:</i>			
	SP-16	2002-07-22	2 . 0 . 0	SP-020319	<a href="#">get it</a>			<i>remarks - this release:</i>	TP-16: clear that service is Rel-6.		
	SP-16	2002-07-25	6 . 0 . 0		<a href="#">get it</a>						

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## TR 23.846 Multimedia Broadcast/Multicast Service (MBMS); Stage 2

Rel-6 *current version:* 6.1.0

*freeze\_meeting:*

*history (event, available, version, comments):*

draft	2002-04-12	0 . 3 . 0	
S2-24		0 . 4 . 0	
post S2-24	2002-05-22	0 . 5 . 0	
draft	2002-05-28	0 . 5 . 1	
SP-16	2002-07-04	1 . 0 . 0	SP-020361
draft	2002-07-19	1 . 1 . 0	
draft	2002-07-22	1 . 1 . 1	
draft	2002-09-16	1 . 2 . 0	
SP-17	2002-09-24	2 . 0 . 0	SP-020535
SP-17	2002-10-03	6 . 0 . 0	
SP-18	2003-01-13	6 . 1 . 0	

*WG (prime / other):* S2 /

*G:* U: yes

*rapporteur:* JARVIS, Andre

*MCC:* YOON, Sang-Ui

Hutchison 3G UK Ltd (3)

[get it](#)

*remarks - general:* This is a preparatory report which may result in the creation of a stage 2 TS 23.246.

*remarks - this release:* SP-15: To be a Rel-6 service, not Rel-5.

[get it](#)

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## TS 23.851 Network sharing; Architecture and functional description

Rel-6 *current version:* 6.0.0

*freeze\_meeting:*

*history (event, available, version, comments):*

draft		0 . 0 . 0	
draft		0 . 1 . 0	
S2-32	2003-05-02	0 . 2 . 0	S2-031973
S2-33	2003-08-19	0 . 4 . 0	
S2-33	2003-08-19	0 . 4 . 1	
draft	2003-08-29	0 . 5 . 0	
SP-21	2003-09-29	1 . 0 . 0	SP-030388
draft	2003-11-17	1 . 1 . 0	
S2-36		1 . 2 . 0	
S2-38	2004-03-03	1 . 3 . 0	
SP-23	2004-03-22	2 . 0 . 0	SP-040051
SP-23	2004-04-01	6 . 0 . 0	

*WG (prime / other):* S2 /

*G:* yes U: yes

*rapporteur:* NILSSON, Ulf

*MCC:* YOON, Sang-Ui

TeliaSonera AB

*remarks - general:* WI UID = 32044

*remarks - this release:* .

[get it](#)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TR 23.864</b>	<b>Commonality and interoperability between IP Multimedia System (IMS) core networks</b>									
Rel-6	current version: 0.6.0	DRAFT	WG (prime / other): S2 / -	rapporteur: BERTENYI, Balazs	NOKIA Corporation					
	freeze_meeting:		G: U: yes	MCC: YOON, Sang-Ui						
	history (event, available, version, comments):									
	S2-29	2003-02-03	0 . 3 . 1	2003-02-03: Renumbered to 23.864.	<a href="#">get it</a>	remarks - general:	Was briefly 23.964.			
	draft	2003-02-24	0 . 4 . 0		<a href="#">get it</a>	remarks - this release:	.			
	draft	2003-02-24	0 . 4 . 1		<a href="#">get it</a>					
	draft	2003-03-24	0 . 5 . 0		<a href="#">get it</a>					
	S2-31	2003-04-22	0 . 6 . 0	inc S2-031533	<a href="#">get it</a>					
<hr/>										
<b>TR 23.867</b>	<b>Internet Protocol (IP) based IP Multimedia Subsystem (IMS) emergency sessions</b>									
Rel-6	current version: 0.6.0	DRAFT	WG (prime / other): S2 / -	rapporteur: LIEBHART, Rainer	SIEMENS AG					
	freeze_meeting:		G: U: yes	MCC: YOON, Sang-Ui						
	history (event, available, version, comments):									
	post S2-30	2003-04-02	0 . 0 . 0	based on S2-030911rev7 and S2-030551.	<a href="#">get it</a>	remarks - general:	2003-04-02 Rapporteur: Intention is to transfer this material into 23.002, 23.060 and			
						remarks - this release:	. 23.228.			
	draft	2003-04-17	0 . 1 . 0		<a href="#">get it</a>					
	post S2-32	2003-06-17	0 . 2 . 0		<a href="#">get it</a>					
	post S2-33	2003-07-15	0 . 3 . 0		<a href="#">get it</a>					
	S2-34	2003-09-04	0 . 4 . 0		<a href="#">get it</a>					
	S2-35		0 . 5 . 0							
	S2-36	2004-01-03	0 . 6 . 0		<a href="#">get it</a>					
<hr/>										
<b>TR 23.877</b>	<b>Architectural aspects of speech-enabled services</b>									
Rel-6	current version: 6.0.0		WG (prime / other): S2 / -	rapporteur: XUAN, Qing	VODAFONE Group Plc					
	freeze_meeting:		G: U: yes	MCC: YOON, Sang-Ui						
	history (event, available, version, comments):									
	S2-34	2003-08-21	0 . 0 . 0	S2-033088	<a href="#">get it</a>	remarks - general:	WID = SP-030305 (though this tdoc is actually withdrawn!).			
	S2-35	2003-11-03	0 . 0 . 1	S2-033558	<a href="#">get it</a>	remarks - this release:	.			
	SP-22	2004-01-05	1 . 0 . 0	SP-030663	<a href="#">get it</a>					
	draft	2004-01-21	1 . 1 . 0		<a href="#">get it</a>					
	S2-38		1 . 2 . 0							
	SP-23	2004-03-22	2 . 0 . 0	SP-040047	<a href="#">get it</a>					
	SP-23	2004-04-01	6 . 0 . 0	G2 & S4 will use results to see if any improvements are required in their specs	<a href="#">get it</a>					

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<b>TR 23.895</b>	<b>Provision of UE specific behaviour information to network entities</b>						
Rel-6	<i>current version:</i> 6.2.0		<i>WG (prime / other):</i> S2 /	<i>rapporteur:</i> PUDNEY, Chris		VODAFONE Group Plc	
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> YOON, Sang-Ui			
	<i>history (event, available, version, comments):</i>						
	draft	0 . 4 . 0					<i>remarks - general:</i>
	SP-18	2003-01-10	1 . 0 . 0	SP-020797 for approval			<i>remarks - this release:</i> .
	SP-18	2003-01-13	6 . 0 . 0	Anticipate CR next mtg to clarify that this is not a loophole to allow untested UEs to be placed on the market.			
	SP-19	2003-03-27	6 . 1 . 0				<a href="#">get it</a>
	SP-20	2003-06-20	6 . 2 . 0				<a href="#">get it</a>

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<b>TR 23.898</b>	<b>3GPP access class barring and overload protection</b>						
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> DAVIDIAN, Jean-Jacques DoCoMo Europe S.A.			
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> YOON, Sang-Ui			
	<i>history (event, available, version, comments):</i>						
							<i>remarks - general:</i> SP-23: WI = SP-040042.
							<i>remarks - this release:</i> .

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<b>TR 23.899</b>	<b>Combining Circuit Switched (CS) bearers with IP Multimedia Subsystem (IMS)</b>						
Rel-6	<i>current version:</i> 0.2.0	DRAFT	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> WATSON, Mark		NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> YOON, Sang-Ui			
	<i>history (event, available, version, comments):</i>						
	draft	2004-04-16	0 . 0 . 0				<i>remarks - general:</i> SP-23: WI = SP-040044.
	S2-39	2004-04-28	0 . 1 . 0				<i>remarks - this release:</i> .
	S2-40	2004-05-27	0 . 2 . 0				

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<b>TR 23.917</b>	<b>Dynamic policy control enhancements for End to end Quality of Service (QoS)</b>								
Rel-6	current version: 1.2.0	DRAFT	WG (prime / other):	S2 / -	rapporteur:	MOUSSET, Claire	NORTEL NETWORKS (EUROPE)		
	freeze_meeting:		G: yes U: yes		MCC:	YOON, Sang-Ui			
	history (event, available, version, comments):								
	draft 2002-08-07	0 . 0 . 0			<a href="#">get it</a>	remarks - general:	Work Item: SP-020140		
	draft 2002-09-24	0 . 1 . 0			<a href="#">get it</a>	remarks - this release:	SP-23: likely to be abandoned.		
	draft 2002-09-24	0 . 2 . 0			<a href="#">get it</a>				
	draft 2002-11-14	0 . 3 . 0			<a href="#">get it</a>				
	draft 2002-11-14	0 . 3 . 1			<a href="#">get it</a>				
	S2-28 2002-12-16	0 . 4 . 0			<a href="#">get it</a>				
	draft 2002-12-16	0 . 4 . 1			<a href="#">get it</a>				
	S2-29 2003-02-13	0 . 5 . 0			<a href="#">get it</a>				
	S2-29 2003-02-13	0 . 5 . 1			<a href="#">get it</a>				
	S2-30 2003-04-29	0 . 6 . 0			<a href="#">get it</a>				
	S2-31 2003-04-22	0 . 7 . 0	includes S2-031354, S2-031534, S2-031598		<a href="#">get it</a>				
	S2-33 2003-07-24	0 . 9 . 0			<a href="#">get it</a>				
	S2-34 2003-09-02	0 . 10 . 0			<a href="#">get it</a>				
	SP-21 2003-09-11	1 . 0 . 0	SP-030386		<a href="#">get it</a>				
	S2-35 2003-11-12	1 . 1 . 0			<a href="#">get it</a>				
	draft 2003-11-17	1 . 1 . 1			<a href="#">get it</a>				
	S2-37 2004-01-22	1 . 2 . 0			<a href="#">get it</a>				

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<b>TR 23.934</b>	<b>3GPP system to Wireless Local Area Network (WLAN) interworking; Functional and architectural definition</b>								
Rel-6	current version: 1.0.0	DRAFT	WG (prime / other):	S2 / -	rapporteur:	PAINT, Frédéric	Telenor AS		
	freeze_meeting:		G: U: yes		MCC:	YOON, Sang-Ui			
	history (event, available, version, comments):								
	S2-24 2002-05-07	0 . 1 . 0			<a href="#">get it</a>	remarks - general:			
	SP-17 2002-09-24	1 . 0 . 0	SP-020536		<a href="#">get it</a>	remarks - this release:	2002-05-02: anticipate v1.0.0 in Sept 2002, 2.0.0 in Dec 2002.		

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<b>TR 23.976</b>	<b>Push architecture</b>								
Rel-6	current version: 6.0.1			WG (prime / other): S2 / -	rapporteur: ALFANO, Nicholas	Research In Motion Limited			
	freeze_meeting:			G: U: yes	MCC: YOON, Sang-Ui				
	history (event, available, version, comments):								
	S2-29	0 . 0 . 0			remarks - general:	2003-02-04: 23.876 -> 23.976			
	S2-29 2003-02-03	0 . 0 . 1		<a href="#">get it</a>	remarks - this release:	.			
	draft 2003-02-24	0 . 1 . 0		<a href="#">get it</a>					
	draft 2003-03-24	0 . 2 . 0		<a href="#">get it</a>					
	S2-31 2003-05-05	0 . 3 . 0		<a href="#">get it</a>					
	S2-32 2003-05-27	0 . 4 . 0		<a href="#">get it</a>					
	S2-33 2003-07-30	0 . 5 . 0		<a href="#">get it</a>					
	S2-34	0 . 6 . 0							
	SP-21 2003-09-29	1 . 0 . 0	SP-030387	<a href="#">get it</a>					
	S2-35	1 . 1 . 0							
	S2-36 2004-01-03	1 . 2 . 0		<a href="#">get it</a>					
	S2-37 2004-01-20	1 . 3 . 0		<a href="#">get it</a>					
	SP-23 2004-03-22	2 . 0 . 0	SP-040046	<a href="#">get it</a>					
	SP-23 2004-04-06	6 . 0 . 0	known outstanding issue	<a href="#">get it</a>					
	SP-23 2004-04-07	6 . 0 . 1	supplies missing abbreviations	<a href="#">get it</a>					

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<b>TR 23.977</b>	<b>Bandwidth And Resource Savings (BARS) and speech enhancements for Circuit Switched (CS) networks</b>								
Rel-6	current version: 1.3.0	DRAFT		WG (prime / other): S2 /	rapporteur: SEISER, Franz	T-Mobile AUSTRIA GmbH			
	freeze_meeting:			G: U: yes	MCC: YOON, Sang-Ui				
	history (event, available, version, comments):								
	S2-33	0 . 0 . 0			remarks - general:	Work Item: Bandwidth and Resource savings and Speech enhancements for CS			
	S2-33 2003-07-30	0 . 1 . 0	Bears wrong number on cover sheet.	<a href="#">get it</a>	remarks - this release:	SP-23: anticipate v2.0.0 at SP-24.	networks (S2-032137)		
	draft 2003-07-30	0 . 1 . 1	Corrects number on cover page!	<a href="#">get it</a>					
	S2-34 2003-09-26	0 . 2 . 0		<a href="#">get it</a>					
	S2-35 2003-11-12	0 . 3 . 0	S2-033741	<a href="#">get it</a>					
	SP-22 2004-01-05	1 . 0 . 0	SP-030713	<a href="#">get it</a>					
	S2-37 2004-01-21	1 . 1 . 0		<a href="#">get it</a>					
	S2-38 2004-02-26	1 . 2 . 0		<a href="#">get it</a>					
	S2-39 2004-04-27	1 . 3 . 0		<a href="#">get it</a>					

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## TR 23.979 3GPP enablers for Push-to-talk over Cellular (PoC) services; Stage 2

Rel-6 *current version:* 0.6.0 DRAFT *WG (prime / other):* S2 / *rapporteur:* SULTANA, Shabnam Telefon AB LM Ericsson  
*freeze\_meeting:* G: U: yes *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

draft	2003-10-20	0	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i> SP-21: WI = SP-030540
post S2-35		0	.	1	.	0			<i>remarks - this release:</i> SP-23: will be stabilized 3 months after OMA PoC AD work completed.
S2-36	2004-01-03	0	.	2	.	0		<a href="#">get it</a>	
S2-38	2004-03-03	0	.	3	.	0		<a href="#">get it</a>	
S2-39	2004-05-12	0	.	4	.	0		<a href="#">get it</a>	
draft		0	.	5	.	0			
S2-40		0	.	6	.	0	S2-042282		

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## TR 23.981 Interworking aspects and migration scenarios for IPv4-based IP Multimedia Subsystem (IMS) implementations

Rel-6 *current version:* 1.1.1 DRAFT *WG (prime / other):* S2 / *rapporteur:* MILINSKI, Alexander SIEMENS AG  
*freeze\_meeting:* G: U: yes *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

S2-39	2004-05-04	1	.	1	.	0	derived from 23.981 v1.0.0	<a href="#">get it</a>	<i>remarks - general:</i> SP-21: WI = SP-030385. 2004-04-08: Rapporteur indicates wish to convert 23.881 to
draft	2004-05-12	1	.	1	.	1		<a href="#">get it</a>	<i>remarks - this release:</i> Created en attente. 23.981. Agreed at S2-39.

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Rel-6 24 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/24\\_series](http://www.3gpp.org/ftp/Specs/archive/24_series)

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## TS 24.007 Mobile radio interface signalling layer 3; General Aspects

Rel-6 *current version:* 6.0.0 *WG (prime / other):* N1 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* G: yes U: yes *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*

NP-22	2004-01-08	6	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4,CR at TSG#5
									<i>remarks - this release:</i> .

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<b>TS 24.008</b>	<b>Mobile radio interface Layer 3 specification; Core network protocols; Stage 3</b>					
Rel-6	<i>current version:</i> 6.4.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> HOWELL, Andrew	MOTOROLA Ltd		
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version, comments):</i>					
	NP-19 2003-03-24 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-20 2003-07-04 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	NP-21 2003-10-09 6 . 2 . 0	<a href="#">get it</a>				
	NP-22 2004-01-12 6 . 3 . 0	<a href="#">get it</a>				
	NP-23 2004-03-22 6 . 4 . 0	<a href="#">get it</a>				

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<b>TS 24.011</b>	<b>Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface</b>					
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> N1 / T2	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S		
	<i>freeze_meeting:</i>	G: yes U: yes	Skov			
	<i>history (event, available, version, comments):</i>		<i>MCC:</i> JORGENSEN, Per Johan			
	NP-21 2003-10-10 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
			<i>remarks - this release:</i> .			

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<b>TS 24.030</b>	<b>Location Services (LCS); Supplementary service operations; Stage 3</b>					
Rel-6	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)		
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-22 2004-01-12 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> TSG#7: txfrd from SMG to 3GPP for R99.			
	NP-23 2004-03-23 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			

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<b>TS 24.080</b>	<b>Mobile radio Layer 3 supplementary service specification; Formats and coding</b>					
Rel-6	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-22 2004-01-12 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-23 2004-03-23 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			

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<b>TS 24.088</b>	<b>Call Barring (CB) Supplementary Service; Stage 3</b>					
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-19 2003-04-04 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			

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<b>TS 24.109</b>	<b>Bootstrapping interface (Ub) and Network application function interface (Ua); Protocol details</b>								
Rel-6	<i>current version:</i> 0.2.0	DRAFT	<i>WG (prime / other):</i> N1 /	<i>rapporteur:</i> BAJKO, Gabor	NOKIA Corporation				
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> JORGENSEN, Per Johan					
	<i>history (event, available, version, comments):</i>								
	draft	2004-03-22	0 . 0 . 1					<a href="#">get it</a>	<i>remarks - general:</i> WI UID = 14504
	N1-33b	2004-04-27	0 . 1 . 0					<a href="#">get it</a>	<i>remarks - this release:</i> .
	N1-34	2004-05-25	0 . 2 . 0					<a href="#">get it</a>	
<hr/>									
<b>TS 24.141</b>	<b>Presence service using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3</b>								
Rel-6	<i>current version:</i> 2.0.0	DRAFT	<i>WG (prime / other):</i> N1 /	<i>rapporteur:</i> DRAGE, Keith	Lucent Technologies Network Systems UK				
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i> JORGENSEN, Per Johan					
	<i>history (event, available, version, comments):</i>								
	draft		0 . 0 . 1						<i>remarks - general:</i> WI = PRSNC (UID 2499)
	draft		0 . 0 . 2						<i>remarks - this release:</i> .
	N1-31		0 . 0 . 3						
	N1-31	2003-09-11	0 . 1 . 0					<a href="#">get it</a>	
	N1-32	2003-11-12	0 . 2 . 0					<a href="#">get it</a>	
	N1-33	2004-05-25	0 . 3 . 0					<a href="#">get it</a>	
	NP-24	2004-05-26	2 . 0 . 0	NP-040200 ex N1-34				<a href="#">get it</a>	
<hr/>									
<b>TS 24.147</b>	<b>Conferencing using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3</b>								
Rel-6	<i>current version:</i> 1.0.1	DRAFT	<i>WG (prime / other):</i> N1 /	<i>rapporteur:</i> MAYER, Georg	NOKIA Corporation				
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> JORGENSEN, Per Johan					
	<i>history (event, available, version, comments):</i>								
	draft		0 . 0 . 1						<i>remarks - general:</i> 2003-06: WID is NP-030286 = IMS-CCR-E
	draft		0 . 0 . 2						<i>remarks - this release:</i> .
	draft	2003-06-30	0 . 0 . 3					<a href="#">get it</a>	
	draft	2003-06-30	0 . 0 . 4	technically identical to v003 but has the number on the front cover				<a href="#">get it</a>	
	draft	2003-07-10	0 . 0 . 5					<a href="#">get it</a>	
	draft	2003-09-12	0 . 1 . 0					<a href="#">get it</a>	
	N1-34	2004-05-24	1 . 0 . 0	Material was shifted from version 3GPP TR 29.847 version 2.0.0 based on the agreed CR in N1-040875.				<a href="#">get it</a>	
	post N1-34 editos	2004-05-25	1 . 0 . 1					<a href="#">get it</a>	

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<b>TS 24.229</b>	<b>Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3</b>				
Rel-6	current version: 6.2.0	DRAFT	WG (prime / other): N1 / -	rapporteur: DRAGE, Keith	Lucent Technologies Network Systems UK
	freeze_meeting:		G: yes U: yes	MCC: JORGENSEN, Per Johan	
	history (event, available, version, comments):				
	NP-21 2003-09-29	6 . 0 . 0		<a href="#">get it</a>	remarks - general: NP-14: confirmed that this is appropriate for GSM as well as UMTS.
	NP-22 2004-01-19	6 . 1 . 0		<a href="#">get it</a>	remarks - this release: .
	NP-23 2004-03-22	6 . 2 . 0		<a href="#">get it</a>	

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<b>TS 24.234</b>	<b>3GPP system to Wireless Local Area Network (WLAN) interworking; User Equipment (UE) to network protocols; Stage 3</b>				
Rel-6	current version: 1.4.1	DRAFT	WG (prime / other): N1 / -	rapporteur: CARRIÓN, Inmaculada	NOKIA Corporation
	freeze_meeting:		G: U: yes	MCC: JORGENSEN, Per Johan	
	history (event, available, version, comments):				
	N1-31	0 . 0 . 1			remarks - general:
	N1-31 2003-09-29	0 . 1 . 0		<a href="#">get it</a>	remarks - this release: .
	N1-32 2003-11-12	0 . 2 . 0		<a href="#">get it</a>	
	NP-22 2004-01-05	1 . 0 . 0	NP-030491	<a href="#">get it</a>	
	N1-32b 2004-02-02	1 . 1 . 0		<a href="#">get it</a>	
	N1-33 2004-02-26	1 . 2 . 0		<a href="#">get it</a>	
	N1-33b	1 . 3 . 0			
	N1-34 2004-05-25	1 . 4 . 0		<a href="#">get it</a>	
	draft 2004-05-27	1 . 4 . 1		<a href="#">get it</a>	

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<b>TS 24.241</b>	<b>3GPP Generic User Profile (GUP) Common objects; Stage 3</b>				
Rel-6	current version: 0.5.0	DRAFT	WG (prime / other): T2 /	rapporteur: SOOD, Prem	SHARP Corporation
	freeze_meeting:		G: U: yes	MCC: RODERMUND, Friedhelm	
	history (event, available, version, comments):				
	draft 2002-05-28	0 . 3 . 0		<a href="#">get it</a>	remarks - general: Cf work item 'Generic user profile' - may be renumbered to 27.241
	draft 2003-09-12	0 . 4 . 3		<a href="#">get it</a>	remarks - this release: 2002-05-29 (jmm): Since stage 2 is moved to Rel-6, so should the stage 3 be.
	draft 2003-11-03	0 . 5 . 0	T2-030570	<a href="#">get it</a>	

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## TS 24.247 Messaging using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3

Rel-6 *current version:* 1.0.1 DRAFT WG (prime / other): N1 / rapporteur: MAYER, Georg NOKIA Corporation  
*freeze\_meeting:* G: U: yes MCC: JORGENSEN, Per Johan

*history (event, available, version, comments):*

draft	2003-08-19	0 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> 2003-06: WID is NP-030286 = IMS-CCR-E
draft	2003-10-10	0 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .
draft	2003-12-04	0 . 2 . 0		<a href="#">get it</a>	
draft	2004-01-03	0 . 2 . 1		<a href="#">get it</a>	
N1-32b	2004-02-02	0 . 3 . 0		<a href="#">get it</a>	
post N1-32b	2004-02-04	0 . 3 . 1	Includes N1-040200.	<a href="#">get it</a>	
N1-33	2004-02-23	0 . 4 . 0		<a href="#">get it</a>	
post N1-33	2004-02-26	0 . 4 . 1		<a href="#">get it</a>	
N1-33b	2004-04-05	0 . 5 . 0		<a href="#">get it</a>	
N1-34		1 . 0 . 0			
post N1-34 editorials	2004-05-25	1 . 0 . 1	change record claims this version is 2.0.1	<a href="#">get it</a>	

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## TR 24.841 Presence service based on Session Initiation Protocol (SIP); Functional models, information flows and protocol details

Rel-6 current version: 2.0.0 DRAFT WG (prime / other): N1 / rapporteur: DRAGE, Keith Lucent Technologies Network Systems UK  
freeze\_meeting: G: yes U: yes MCC: JORGENSEN, Per Johan

history (event, available, version, comments):

draft		0	.	0	.	0			
N1-25		0	.	0	.	1			
N1-26	2002-09-17	0	.	1	.	0			<a href="#">get it</a>
N1-26	2002-10-03	0	.	2	.	0			<a href="#">get it</a>
N1-26bis	2002-11-14	0	.	3	.	0			<a href="#">get it</a>
N1-27	2003-01-17	0	.	4	.	0	N1-030010		<a href="#">get it</a>
N1-28	2003-03-04	0	.	5	.	0			<a href="#">get it</a>
N1-29	2003-05-06	0	.	6	.	0			<a href="#">get it</a>
NP-20	2003-06-02	1	.	0	.	0	NP-030303		<a href="#">get it</a>
draft	2003-09-26	1	.	1	.	0			<a href="#">get it</a>
draft	2003-09-29	1	.	1	.	1			<a href="#">get it</a>
post N1-31	2003-10-08	1	.	1	.	2			<a href="#">get it</a>
N1-32		1	.	2	.	0			
N1-32b	2004-02-02	1	.	3	.	0			<a href="#">get it</a>
N1-33	2004-02-26	1	.	4	.	0			<a href="#">get it</a>
post N1-33	2004-03-03	1	.	4	.	1			<a href="#">get it</a>
post N1-33	2004-03-22	1	.	4	.	2			<a href="#">get it</a>
N1-33b	2004-04-13	1	.	5	.	0			<a href="#">get it</a>
N1-33b	2004-04-27	1	.	5	.	1	N1-040762		<a href="#">get it</a>
N1-34	2004-05-25	1	.	6	.	0			<a href="#">get it</a>
NP-24		2	.	0	.	0	change history still shows v1.6.0		

remarks - general:

remarks - this release: .

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<b>TS 25.101</b>	<b>User Equipment (UE) radio transmission and reception (FDD)</b>								
Rel-6	current version: 6.4.0	WG (prime / other):	R4 / -	rapporteur:	FERNANDES, Edgar	MOTOROLA Ltd			
	freeze_meeting:	G:	U: yes	MCC:	GUTIERREZ MIGUELEZ, Cesar				
	history (event, available, version, comments):								
	RP-19	2003-04-04	6 . 0 . 0	RP-16 agreed not to implement the CR	<a href="#">get it</a>	remarks - general:			
				creating this Release.		remarks - this release:	RP-16 agreed not to implement the CR creating this Release.		
	RP-20	2003-06-27	6 . 1 . 0		<a href="#">get it</a>				
	RP-21	2003-09-29	6 . 2 . 0		<a href="#">get it</a>				
	RP-22	2004-01-23	6 . 3 . 0		<a href="#">get it</a>				
	RP-23	2004-04-01	6 . 4 . 0		<a href="#">get it</a>				

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<b>TS 25.102</b>	<b>User Equipment (UE) radio transmission and reception (TDD)</b>								
Rel-6	current version: 6.0.0	WG (prime / other):	R4 / -	rapporteur:	KOTTKAMP, Meik	SIEMENS AG			
	freeze_meeting:	G:	U: yes	MCC:	GUTIERREZ MIGUELEZ, Cesar				
	history (event, available, version, comments):								
	RP-22	2004-01-20	6 . 0 . 0		<a href="#">get it</a>	remarks - general:			
						remarks - this release:	.		

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<b>TS 25.104</b>	<b>Base Station (BS) radio transmission and reception (FDD)</b>								
Rel-6	current version: 6.5.0	WG (prime / other):	R4 / -	rapporteur:	SKÖLD, Johan	Telefon AB LM Ericsson			
	freeze_meeting:	G:	U: yes	MCC:	GUTIERREZ MIGUELEZ, Cesar				
	history (event, available, version, comments):								
	RP-18	2003-01-10	6 . 0 . 0	Early ETSI publication because	<a href="#">get it</a>	remarks - general:			
				referenced in SCP publications.		remarks - this release:	.		
	RP-19	2003-04-04	6 . 1 . 0		<a href="#">get it</a>				
	RP-20	2003-06-27	6 . 2 . 0		<a href="#">get it</a>				
	RP-21	2003-09-29	6 . 3 . 0		<a href="#">get it</a>				
	RP-22	2004-01-23	6 . 4 . 0		<a href="#">get it</a>				
	RP-23	2004-04-01	6 . 5 . 0		<a href="#">get it</a>				

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<b>TS 25.105</b>	<b>Base Station (BS) radio transmission and reception (TDD)</b>								
Rel-6	current version: 6.0.0	WG (prime / other):	R4 / -	rapporteur:	KOTTKAMP, Meik	SIEMENS AG			
	freeze_meeting:	G:	U: yes	MCC:	GUTIERREZ MIGUELEZ, Cesar				
	history (event, available, version, comments):								
	RP-22	2004-01-20	6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	remarks - general:			
						remarks - this release:	created for M.1457 update		

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<b>TS 25.106</b>	<b>UTRA repeater radio transmission and reception</b>								
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i>	R4 / -	<i>rapporteur:</i>	NILSSON, Martin	Indicate persons who left Company and wait for new One			
	<i>freeze_meeting:</i>	<i>G:</i>		<i>MCC:</i>	GUTIERREZ MIGUELEZ, Cesar				
	<i>U:</i> yes								
<i>history (event, available, version, comments):</i>									
	RP-22	2004-01-20	6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	<i>remarks - general:</i>			
						<i>remarks - this release:</i> created for M.1457 update			
<hr/>									
<b>TS 25.113</b>	<b>Base station and repeater electromagnetic compatibility (EMC)</b>								
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i>	R4 / -	<i>rapporteur:</i>	BARNES, David	DTI - Department of Trade and Industry			
	<i>freeze_meeting:</i>	<i>G:</i>		<i>MCC:</i>	GUTIERREZ MIGUELEZ, Cesar				
	<i>U:</i> yes								
<i>history (event, available, version, comments):</i>									
	RP-22	2004-01-23	6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	<i>remarks - general:</i>			
						<i>remarks - this release:</i> created for M.1457 update			
<hr/>									
<b>TS 25.123</b>	<b>Requirements for support of radio resource management (TDD)</b>								
Rel-6	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i>	R4 / -	<i>rapporteur:</i>	GUERRINI, Claudio	TELECOM ITALIA S.p.A.			
	<i>freeze_meeting:</i>	<i>G:</i>		<i>MCC:</i>	GUTIERREZ MIGUELEZ, Cesar				
	<i>U:</i> yes								
<i>history (event, available, version, comments):</i>									
	RP-22	2004-01-23	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	RP-23	2004-04-01	6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .			
<hr/>									
<b>TS 25.133</b>	<b>Requirements for support of radio resource management (FDD)</b>								
Rel-6	<i>current version:</i> 6.5.0	<i>WG (prime / other):</i>	R4 / -	<i>rapporteur:</i>	GUERRINI, Claudio	TELECOM ITALIA S.p.A.			
	<i>freeze_meeting:</i>	<i>G:</i>		<i>MCC:</i>	GUTIERREZ MIGUELEZ, Cesar				
	<i>U:</i> yes								
<i>history (event, available, version, comments):</i>									
	RP-18	2003-01-10	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	RP-19	2003-04-04	6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .			
	RP-20	2003-07-01	6 . 2 . 0		<a href="#">get it</a>				
	RP-21	2003-10-10	6 . 3 . 0		<a href="#">get it</a>				
	RP-22	2004-01-23	6 . 4 . 0		<a href="#">get it</a>				
	RP-23	2004-04-01	6 . 5 . 0		<a href="#">get it</a>				

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<b>TS 25.141</b>	<b>Base Station (BS) conformance testing (FDD)</b>								
Rel-6	current version: 6.5.0			WG (prime / other): R4 / -	rapporteur: NAKAMURA, Takaharu Fujitsu Limited				
	freeze_meeting:			G: U: yes	MCC: GUTIERREZ MIGUELEZ, Cesar				
	history (event, available, version, comments):								
	RP-18	2003-01-10	6 . 0 . 0	Early ETSI publication because	<a href="#">get it</a>	remarks - general:			
				referenced in SCP publications.		remarks - this release:	.		
	RP-19	2003-04-04	6 . 1 . 0		<a href="#">get it</a>				
	RP-20	2003-06-27	6 . 2 . 0		<a href="#">get it</a>				
	RP-21	2003-09-29	6 . 3 . 0		<a href="#">get it</a>				
	RP-22	2004-01-23	6 . 4 . 0		<a href="#">get it</a>				
	RP-23	2004-04-01	6 . 5 . 0		<a href="#">get it</a>				

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<b>TS 25.142</b>	<b>Base Station (BS) conformance testing (TDD)</b>								
Rel-6	current version: 6.0.0			WG (prime / other): R4 / -	rapporteur: MEYER, Juergen SIEMENS AG				
	freeze_meeting:			G: U: yes	MCC: GUTIERREZ MIGUELEZ, Cesar				
	history (event, available, version, comments):								
	RP-22	2004-01-20	6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	remarks - general:			
						remarks - this release:	created for M.1457 update		

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<b>TS 25.143</b>	<b>UTRA repeater conformance testing</b>								
Rel-6	current version: 6.0.0			WG (prime / other): R4 / -	rapporteur: KUMMETZ, Thomas MIKOM GmbH - An Andrew Company				
	freeze_meeting:			G: U: yes	MCC: GUTIERREZ MIGUELEZ, Cesar				
	history (event, available, version, comments):								
	RP-22	2004-01-20	6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	remarks - general:	Created by renumbering 25.107		
						remarks - this release:	created for M.1457 update		

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<b>TS 25.171</b>	<b>Requirements for support of Assisted Global Positioning System (A-GPS); Frequency Division Duplex (FDD)</b>								
Rel-6	current version: 0.0.0	DRAFT		WG (prime / other): R4 /	rapporteur: SHEN, Donglin AT&T Wireless Services, Inc.				
	freeze_meeting:			G: U: yes	MCC: GUTIERREZ MIGUELEZ, Cesar				
	history (event, available, version, comments):								
	R4-31	2004-05-18	0 . 0 . 0	based on R4-040387	<a href="#">get it</a>	remarks - general:	WI UID = 24012		
						remarks - this release:	.		

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<b>TS 25.201</b>	<b>Physical layer - general description</b>								
Rel-6	current version: 6.0.0	WG (prime / other):	R1 / -	rapporteur:	GERSTENBERGER, Dirk	Telefon AB LM Ericsson			
	freeze_meeting:	G:	U: yes	MCC:	SASAKI, Tsukasa				
	history (event, available, version, comments):								
	RP-22 2004-01-14 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	remarks - general:					
				remarks - this release:	created for M.1457 update				
<hr/>									
<b>TS 25.211</b>	<b>Physical channels and mapping of transport channels onto physical channels (FDD)</b>								
Rel-6	current version: 6.0.0	WG (prime / other):	R1 / -	rapporteur:	PARKVALL, Stefan	Ericsson AB			
	freeze_meeting:	G:	U: yes	MCC:	SASAKI, Tsukasa				
	history (event, available, version, comments):								
	RP-22 2004-01-14 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	remarks - general:					
				remarks - this release:	created for M.1457 update				
<hr/>									
<b>TS 25.212</b>	<b>Multiplexing and channel coding (FDD)</b>								
Rel-6	current version: 6.1.0	WG (prime / other):	R1 / -	rapporteur:	MICHEL, Jürgen	SIEMENS AG			
	freeze_meeting:	G:	U: yes	MCC:	SASAKI, Tsukasa				
	history (event, available, version, comments):								
	RP-22 2004-01-14 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	remarks - general:					
	RP-23 2004-04-02 6 . 1 . 0		<a href="#">get it</a>	remarks - this release:	created for M.1457 update				
<hr/>									
<b>TS 25.213</b>	<b>Spreading and modulation (FDD)</b>								
Rel-6	current version: 6.0.0	WG (prime / other):	R1 / -	rapporteur:	WILLENEGGER, Serge	QUALCOMM EUROPE S.A.R.L.			
	freeze_meeting:	G:	U: yes	MCC:	SASAKI, Tsukasa				
	history (event, available, version, comments):								
	RP-22 2004-01-14 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	remarks - general:					
				remarks - this release:	created for M.1457 update				
<hr/>									
<b>TS 25.214</b>	<b>Physical layer procedures (FDD)</b>								
Rel-6	current version: 6.1.0	WG (prime / other):	R1 / -	rapporteur:	BOUMENDIL, Sarah	NORTEL NETWORKS (EUROPE)			
	freeze_meeting:	G:	U: yes	MCC:	SASAKI, Tsukasa				
	history (event, available, version, comments):								
	RP-22 2004-01-14 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	remarks - general:					
	RP-23 2004-04-02 6 . 1 . 0		<a href="#">get it</a>	remarks - this release:	created for M.1457 update				

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<b>TS 25.215</b>	<b>Physical layer; Measurements (FDD)</b>								
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> SUZUKI, Hidetoshi		Panasonic Mobile Communications Co.,Ltd.			
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> SASAKI, Tsukasa					
	<i>history (event, available, version, comments):</i>								
	RP-22 2004-01-14 6 . 0 . 0	Minor problems implementing CRs. See <a href="#">get it</a>		<i>remarks - general:</i>					
		readme file.		<i>remarks - this release:</i>					
<hr/>									
<b>TS 25.221</b>	<b>Physical channels and mapping of transport channels onto physical channels (TDD)</b>								
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> CHAPMAN, Thomas		SIEMENS AG			
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> SASAKI, Tsukasa					
	<i>history (event, available, version, comments):</i>								
	RP-22 2004-01-14 6 . 0 . 0	Required for update of ITU-R M.1457 <a href="#">get it</a>		<i>remarks - general:</i>					
				<i>remarks - this release:</i>		created for M.1457 update			
<hr/>									
<b>TS 25.222</b>	<b>Multiplexing and channel coding (TDD)</b>								
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> BEALE, Martin		IPWireless Inc.			
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> SASAKI, Tsukasa					
	<i>history (event, available, version, comments):</i>								
	RP-22 2004-01-14 6 . 0 . 0	Required for update of ITU-R M.1457 <a href="#">get it</a>		<i>remarks - general:</i>					
				<i>remarks - this release:</i>		created for M.1457 update			
<hr/>									
<b>TS 25.223</b>	<b>Spreading and modulation (TDD)</b>								
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> ANDERSON, Nicholas		IPWireless Inc.			
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> SASAKI, Tsukasa					
	<i>history (event, available, version, comments):</i>								
	RP-22 2004-01-14 6 . 0 . 0	Required for update of ITU-R M.1457 <a href="#">get it</a>		<i>remarks - general:</i>					
				<i>remarks - this release:</i>		created for M.1457 update			
<hr/>									
<b>TS 25.224</b>	<b>Physical layer procedures (TDD)</b>								
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> RUDOLF, Marian		INTERDIGITAL COMMUNICATIONS CORPORATION			
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> SASAKI, Tsukasa					
	<i>history (event, available, version, comments):</i>								
	RP-22 2004-01-14 6 . 0 . 0	Required for update of ITU-R M.1457 <a href="#">get it</a>		<i>remarks - general:</i>					
				<i>remarks - this release:</i>		created for M.1457 update			

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<b>TS 25.225</b>	<b>Physical layer; Measurements (TDD)</b>								
Rel-6	<i>current version:</i> 6.1.0		<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> CZAPLA, Liliana		INTERDIGITAL COMMUNICATIONS CORPORATION			
	<i>freeze_meeting:</i>		<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa					
	<i>history (event, available, version, comments):</i>								
	RP-22 2004-01-14 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	<i>remarks - general:</i>					
	RP-23 2004-04-02 6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> created for M.1457 update					
<hr/>									
<b>TS 25.301</b>	<b>Radio Interface Protocol Architecture</b>								
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> GRANZOW, Wolfgang		ERICSSON Eurolab Deutschland GmbH			
	<i>freeze_meeting:</i>		<i>G:</i> U: yes	<i>MCC:</i> ARZELIER, Claude					
	<i>history (event, available, version, comments):</i>								
	RP-22 2004-01-12 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	<i>remarks - general:</i>					
				<i>remarks - this release:</i> created for M.1457 update					
<hr/>									
<b>TS 25.302</b>	<b>Services provided by the physical layer</b>								
Rel-6	<i>current version:</i> 6.1.0		<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> MIHAILESCU, Claudiu		NORTEL NETWORKS (EUROPE)			
	<i>freeze_meeting:</i>		<i>G:</i> U: yes	<i>MCC:</i> ARZELIER, Claude					
	<i>history (event, available, version, comments):</i>								
	RP-22 2004-01-12 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	<i>remarks - general:</i> V3.0.0 approved via e-mail July 99 CR at TSG#5?					
	RP-23 2004-03-24 6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> created for M.1457 update					
<hr/>									
<b>TS 25.303</b>	<b>Interlayer procedures in Connected Mode</b>								
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> RINNE, Mikko J		Nokia Research Center			
	<i>freeze_meeting:</i>		<i>G:</i> U: yes	<i>MCC:</i> ARZELIER, Claude					
	<i>history (event, available, version, comments):</i>								
	RP-22 2004-01-12 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	<i>remarks - general:</i>					
				<i>remarks - this release:</i> created for M.1457 update					
<hr/>									
<b>TS 25.304</b>	<b>User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode</b>								
Rel-6	<i>current version:</i> 6.1.0		<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> MAHKONEN, Marko		NOKIA Corporation			
	<i>freeze_meeting:</i>		<i>G:</i> U: yes	<i>MCC:</i> ARZELIER, Claude					
	<i>history (event, available, version, comments):</i>								
	RP-22 2004-01-12 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	<i>remarks - general:</i>					
	RP-23 2004-03-24 6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> created for M.1457 update					

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<b>TS 25.305</b>	<b>User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2</b>								
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i>	R2 / -	<i>rapporteur:</i>	MIHAILESCU, Claudiu	NORTEL NETWORKS (EUROPE)			
	<i>freeze_meeting:</i>	<i>G:</i>	U: yes	<i>MCC:</i>	ARZELIER, Claude				
	<i>history (event, available, version, comments):</i>								
	RP-22	2004-01-12	6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	<i>remarks - general:</i>	Created from 25.923		
						<i>remarks - this release:</i>	created for M.1457 update		
<hr/>									
<b>TS 25.306</b>	<b>UE Radio Access capabilities definition</b>								
Rel-6	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i>	R2 / -	<i>rapporteur:</i>	BERGGREN, Anders	Ericsson Incorporated			
	<i>freeze_meeting:</i>	<i>G:</i>	U: yes	<i>MCC:</i>	ARZELIER, Claude				
	<i>history (event, available, version, comments):</i>								
	RP-22	2004-01-12	6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	<i>remarks - general:</i>	Converted from TR 25.926 at TSG#10.		
	RP-23	2004-03-24	6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	created for M.1457 update		
<hr/>									
<b>TS 25.307</b>	<b>Requirements on UEs supporting a release-independent frequency band</b>								
Rel-6	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i>	R2 / R4	<i>rapporteur:</i>	FAUCONNIER, Denis	NORTEL NETWORKS (EUROPE)			
	<i>freeze_meeting:</i>	<i>G:</i>	U: yes	<i>MCC:</i>	ARZELIER, Claude				
	<i>history (event, available, version, comments):</i>								
	RP-22	2004-01-12	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4		
	RP-23	2004-03-24	6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	. = RF & RMM requirements.		
<hr/>									
<b>TS 25.308</b>	<b>UTRA High Speed Downlink Packet Access (HSDPA); Overall description; Stage 2</b>								
Rel-6	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i>	R2 /	<i>rapporteur:</i>	KUCHIBHOTLA, Ravi	MOTOROLA Ltd			
	<i>freeze_meeting:</i>	<i>G:</i>	U: yes	<i>MCC:</i>	ARZELIER, Claude				
	<i>history (event, available, version, comments):</i>								
	RP-22	2004-01-12	6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	<i>remarks - general:</i>	TS created from entrails of TR 25.855.		
	RP-23	2004-03-24	6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	created for M.1457 update		
<hr/>									
<b>TS 25.309</b>	<b>Enhanced uplink UTRA FDD; Stage 2</b>								
Rel-6	<i>current version:</i> none	<i>WG (prime / other):</i>	R2 / -	<i>rapporteur:</i>	GODARD, Tania	NORTEL NETWORKS (EUROPE)			
	<i>freeze_meeting:</i>	<i>G:</i>	U: yes	<i>MCC:</i>	ARZELIER, Claude				
	<i>history (event, available, version, comments):</i>								
						<i>remarks - general:</i>	WI = "FDD Enhanced Uplink"		
						<i>remarks - this release:</i>	.		

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<b>TS 25.321</b>	<b>Medium Access Control (MAC) protocol specification</b>								
Rel-6	<i>current version:</i> 6.1.0		<i>WG (prime / other):</i> R2 / -		<i>rapporteur:</i> STADLER, Thomas	SIEMENS AG			
	<i>freeze_meeting:</i>		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i>	ARZELIER, Claude			
	<i>history (event, available, version, comments):</i>								
	RP-22	2004-01-12	6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	<i>remarks - general:</i>			
	RP-23	2004-03-24	6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	created for M.1457 update		
<hr/>									
<b>TS 25.322</b>	<b>Radio Link Control (RLC) protocol specification</b>								
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> R2 / -		<i>rapporteur:</i> MADELAINE, Sebastien	PHILIPS CONSUMER COMMUNICATION			
	<i>freeze_meeting:</i>		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i>	ARZELIER, Claude			
	<i>history (event, available, version, comments):</i>								
	RP-22	2004-01-12	6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	<i>remarks - general:</i>			
						<i>remarks - this release:</i>	created for M.1457 update		
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<b>TS 25.323</b>	<b>Packet Data Convergence Protocol (PDCP) specification</b>								
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> R2 / -		<i>rapporteur:</i> HANS, Martin	INFINEON TECHNOLOGIES			
	<i>freeze_meeting:</i>		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i>	ARZELIER, Claude			
	<i>history (event, available, version, comments):</i>								
	RP-22	2004-01-12	6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	<i>remarks - general:</i>			
						<i>remarks - this release:</i>	created for M.1457 update		
<hr/>									
<b>TS 25.324</b>	<b>Broadcast/Multicast Control (BMC)</b>								
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> R2 / -		<i>rapporteur:</i> HARTL, Mike	Vodafone D2 GmbH			
	<i>freeze_meeting:</i>		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i>	ARZELIER, Claude			
	<i>history (event, available, version, comments):</i>								
	RP-22	2004-01-12	6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	<i>remarks - general:</i>			
						<i>remarks - this release:</i>	created for M.1457 update		

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## TS 25.331 Radio Resource Control (RRC) protocol specification

Rel-6 *current version:* 6.1.0

*WG (prime / other):* R2 / - *rapporteur:* KUCHIBHOTLA, Ravi MOTOROLA Ltd

*G:* *U:* yes *MCC:* ARZELIER, Claude

*freeze\_meeting:*

*history (event, available, version, comments):*

RP-22 2004-01-12 6 . 0 . 0

RP-21 6 . 0 . 0

RP-21: Will not be produced till more substantive CRs are approved or until Release is frozen.

[get it](#)

*remarks - general:*

*remarks - this release:* Created by CR at RP-21, but will not be created until more substantive CRs are required. (Saves on maintenance work.)

edito post RP-22 2004-01-20 6 . 0 . 1

Some figures are not visible in these 2 documents. See figure 8.3.1-5 and 8.3.1-6, figures 8.3.1-8 to 8.3.1-10. There is an error message => Error! Objects cannot be created from editing field codes.

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RP-23 2004-03-29 6 . 1 . 0

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**TS 25.346 Introduction of Multimedia Broadcast/Multicast Service (MBMS) in the Radio Access Network (RAN); Stage 2**

Rel-6 *current version:* 6.0.0 *WG (prime / other):* R2 / - *rapporteur:* PIRSKANEN, Juho NOKIA Corporation  
*freeze\_meeting:* G: U: yes MCC: ARZELIER, Claude

*history (event, available, version, comments):*

R2-31		0	.	0	.	1		R2-021846		<i>remarks - general:</i>
R2-32		0	.	1	.	0		R2-020590		<i>remarks - this release:</i> .
R2 / R3 MBMS ad hoc	2002-10-14	1	.	1	.	0		R2-030006	<a href="#">get it</a>	
draft	2003-01-23	1	.	2	.	0			<a href="#">get it</a>	
draft	2003-02-03	1	.	3	.	0			<a href="#">get it</a>	
R2-34		1	.	4	.	0		R2-030122		
R2-35		1	.	5	.	0		R2-030707		
R2 / R3 MBMS ad hoc	2003-05-21	1	.	6	.	0		R2-030882	<a href="#">get it</a>	
RP-20	2003-06-02	2	.	0	.	0		RP-030309 - not approved	<a href="#">get it</a>	
draft		2	.	0	.	1		mods based on v2.0.0 so this version not uploaded (invalid) because v2.1.0 already available		
R2-37	2003-08-19	2	.	1	.	0		cleaned up draft from MCC	<a href="#">get it</a>	
R2-38	2003-11-03	2	.	3	.	0			<a href="#">get it</a>	
R2-39	2003-12-05	2	.	4	.	0		RP-030653; various early draft versions of v2.4.0 were circulated on R2 exploder	<a href="#">get it</a>	
R2-40	2004-01-30	2	.	5	.	0		Several drafts bearing this version number were distributed. Only the first was kept.	<a href="#">get it</a>	
RP-23	2004-03-03	2	.	6	.	0		(ex R3-41 - yes, really) RP-040079	<a href="#">get it</a>	
RP-23	2004-03-26	6	.	0	.	0			<a href="#">get it</a>	

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**TS 25.401 UTRAN overall description**

Rel-6 *current version:* 6.2.0 *WG (prime / other):* R3 / - *rapporteur:* GODIN, Philippe NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* G: U: yes MCC: CALDENHOVEN, Juergen

*history (event, available, version, comments):*

RP-19	2003-03-26	6	.	0	.	0			<a href="#">get it</a>	<i>remarks - general:</i> Approval at TSG#5
RP-20	2003-06-17	6	.	1	.	0			<a href="#">get it</a>	<i>remarks - this release:</i> .
RP-22	2004-01-13	6	.	2	.	0			<a href="#">get it</a>	

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<b>TS 25.402</b>	<b>Synchronisation in UTRAN Stage 2</b>									
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> KUNZ, Walter	SIEMENS AG					
	<i>freeze_meeting:</i>		<i>G:</i> U: yes	<i>MCC:</i>	CALDENHOVEN, Juergen					
	<i>history (event, available, version, comments):</i>									
	RP-22 2004-01-13 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	<i>remarks - general:</i>	New					
				<i>remarks - this release:</i>	created for M.1457 update					
<hr/>										
<b>TS 25.410</b>	<b>UTRAN Iu Interface: General Aspects and Principles</b>									
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> DIESEN, Michael	MOTOROLA Ltd					
	<i>freeze_meeting:</i>		<i>G:</i> U: yes	<i>MCC:</i>	CALDENHOVEN, Juergen					
	<i>history (event, available, version, comments):</i>									
	RP-22 2004-01-13 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	<i>remarks - general:</i>	Approval at TSG#5					
				<i>remarks - this release:</i>	created for M.1457 update					
<hr/>										
<b>TS 25.411</b>	<b>UTRAN Iu interface layer 1</b>									
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> KUNZ, Walter	SIEMENS AG					
	<i>freeze_meeting:</i>		<i>G:</i> U: yes	<i>MCC:</i>	CALDENHOVEN, Juergen					
	<i>history (event, available, version, comments):</i>									
	RP-22 2004-01-13 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	<i>remarks - general:</i>						
				<i>remarks - this release:</i>	created for M.1457 update					
<hr/>										
<b>TS 25.412</b>	<b>UTRAN Iu interface signalling transport</b>									
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> NG, Cheng Hock	NEC Corporation					
	<i>freeze_meeting:</i>		<i>G:</i> U: yes	<i>MCC:</i>	CALDENHOVEN, Juergen					
	<i>history (event, available, version, comments):</i>									
	RP-22 2004-01-13 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	<i>remarks - general:</i>						
				<i>remarks - this release:</i>	created for M.1457 update					
<hr/>										
<b>TS 25.413</b>	<b>UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling</b>									
Rel-6	<i>current version:</i> 6.1.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> GUYOT, Olivier	NOKIA Corporation					
	<i>freeze_meeting:</i>		<i>G:</i> U: yes	<i>MCC:</i>	CALDENHOVEN, Juergen					
	<i>history (event, available, version, comments):</i>									
	RP-22 2004-01-13 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	<i>remarks - general:</i>						
	RP-23 2004-04-01 6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	created for M.1457 update					

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<b>TS 25.414</b>	<b>UTRAN Iu interface data transport &amp; transport signalling</b>								
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i>	R3	/ -	<i>rapporteur:</i>	ISRAELSSON, Martin	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i>	<i>G:</i>		<i>U: yes</i>	<i>MCC:</i>	CALDENHOVEN, Juergen			
	<i>history (event, available, version, comments):</i>								
	RP-22 2004-01-13 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>		<i>remarks - general:</i>				<i>remarks - this release:</i> created for M.1457 update
<hr/>									
<b>TS 25.415</b>	<b>UTRAN Iu interface user plane protocols</b>								
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i>	R3	/ -	<i>rapporteur:</i>	ISRAELSSON, Martin	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i>	<i>G:</i>		<i>U: yes</i>	<i>MCC:</i>	CALDENHOVEN, Juergen			
	<i>history (event, available, version, comments):</i>								
	RP-22 2004-01-13 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>		<i>remarks - general:</i>				<i>remarks - this release:</i> created for M.1457 update
<hr/>									
<b>TS 25.419</b>	<b>UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)</b>								
Rel-6	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i>	R3	/ -	<i>rapporteur:</i>	MCWILLIAMS, Brendan	VODAFONE Group Plc		
	<i>freeze_meeting:</i>	<i>G:</i>		<i>U: yes</i>	<i>MCC:</i>	CALDENHOVEN, Juergen			
	<i>history (event, available, version, comments):</i>								
	RP-22 2004-01-13 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>		<i>remarks - general:</i>				
	RP-23 2004-04-01 6 . 1 . 0		<a href="#">get it</a>		<i>remarks - this release:</i>				created for M.1457 update
<hr/>									
<b>TS 25.420</b>	<b>UTRAN Iur Interface: General Aspects and Principles</b>								
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i>	R3	/ -	<i>rapporteur:</i>	PALAT, Sudeep	Lucent Technologies Network Systems UK		
	<i>freeze_meeting:</i>	<i>G:</i>		<i>U: yes</i>	<i>MCC:</i>	CALDENHOVEN, Juergen			
	<i>history (event, available, version, comments):</i>								
	RP-22 2004-01-13 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>		<i>remarks - general:</i>				<i>remarks - this release:</i> created for M.1457 update
<hr/>									
<b>TS 25.421</b>	<b>UTRAN Iur interface Layer 1</b>								
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i>	R3	/ -	<i>rapporteur:</i>	KUNZ, Walter	SIEMENS AG		
	<i>freeze_meeting:</i>	<i>G:</i>		<i>U: yes</i>	<i>MCC:</i>	CALDENHOVEN, Juergen			
	<i>history (event, available, version, comments):</i>								
	RP-22 2004-01-13 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>		<i>remarks - general:</i>				<i>remarks - this release:</i> created for M.1457 update

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<b>TS 25.422</b>	<b>UTRAN Iur interface signalling transport</b>								
Rel-6	current version: 6.0.0	WG (prime / other):	R3 / -	rapporteur:	PALAT, Sudeep	Lucent Technologies Network Systems UK			
	freeze_meeting:	G:	U: yes	MCC:	CALDENHOVEN, Juergen				
	history (event, available, version, comments):								
	RP-22 2004-01-13 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	remarks - general:					
				remarks - this release:	created for M.1457 update				
<hr/>									
<b>TS 25.423</b>	<b>UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling</b>								
Rel-6	current version: 6.1.0	WG (prime / other):	R3 / -	rapporteur:	ERICSSON, Ingela	Telefon AB LM Ericsson			
	freeze_meeting:	G:	U: yes	MCC:	CALDENHOVEN, Juergen				
	history (event, available, version, comments):								
	RP-22 2004-01-22 6 . 0 . 0		<a href="#">get it</a>	remarks - general:					
	RP-23 2004-04-01 6 . 1 . 0		<a href="#">get it</a>	remarks - this release:	.				
<hr/>									
<b>TS 25.424</b>	<b>UTRAN Iur interface data transport &amp; transport signalling for CCH data streams</b>								
Rel-6	current version: 6.1.0	WG (prime / other):	R3 / -	rapporteur:	DREVON, Nicolas	ALCATEL S.A.			
	freeze_meeting:	G:	U: yes	MCC:	CALDENHOVEN, Juergen				
	history (event, available, version, comments):								
	RP-22 2004-01-13 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	remarks - general:					
	RP-23 2004-04-01 6 . 1 . 0		<a href="#">get it</a>	remarks - this release:	created for M.1457 update				
<hr/>									
<b>TS 25.425</b>	<b>UTRAN Iur interface user plane protocols for CCH data streams</b>								
Rel-6	current version: 6.1.0	WG (prime / other):	R3 / -	rapporteur:	DREVON, Nicolas	ALCATEL S.A.			
	freeze_meeting:	G:	U: yes	MCC:	CALDENHOVEN, Juergen				
	history (event, available, version, comments):								
	RP-22 2004-01-13 6 . 0 . 0		<a href="#">get it</a>	remarks - general:					
	RP-23 2004-04-01 6 . 1 . 0		<a href="#">get it</a>	remarks - this release:	.				
<hr/>									
<b>TS 25.426</b>	<b>UTRAN Iur and Iub interface data transport &amp; transport signalling for DCH data streams</b>								
Rel-6	current version: 6.1.0	WG (prime / other):	R3 / -	rapporteur:	KEKKI, Sami	NOKIA Corporation			
	freeze_meeting:	G:	U: yes	MCC:	CALDENHOVEN, Juergen				
	history (event, available, version, comments):								
	RP-22 2004-01-13 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>	remarks - general:					
	RP-23 2004-04-01 6 . 1 . 0		<a href="#">get it</a>	remarks - this release:	created for M.1457 update				

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<b>TS 25.427</b>	<b>UTRAN Iur and Iub interface user plane protocols for DCH data streams</b>									
Rel-6	current version: 6.0.0	WG (prime / other):	R3	/ -	rapporteur:	HAKULI, Tuomas	NOKIA Corporation			
	freeze_meeting:	G:			MCC:	CALDENHOVEN, Juergen				
	history (event, available, version, comments):									
	RP-22 2004-01-13 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>		remarks - general:					remarks - this release: created for M.1457 update
<hr/>										
<b>TS 25.430</b>	<b>UTRAN Iub interface: General Aspects and Principles</b>									
Rel-6	current version: 6.0.0	WG (prime / other):	R3	/ -	rapporteur:	KOIZUMI, Yoshiko	Fujitsu Limited			
	freeze_meeting:	G:			MCC:	CALDENHOVEN, Juergen				
	history (event, available, version, comments):									
	RP-22 2004-01-13 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>		remarks - general:					remarks - this release: created for M.1457 update
<hr/>										
<b>TS 25.431</b>	<b>UTRAN Iub interface Layer 1</b>									
Rel-6	current version: 6.0.0	WG (prime / other):	R3	/ -	rapporteur:	KUNZ, Walter	SIEMENS AG			
	freeze_meeting:	G:			MCC:	CALDENHOVEN, Juergen				
	history (event, available, version, comments):									
	RP-22 2004-01-13 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>		remarks - general:					remarks - this release: created for M.1457 update
<hr/>										
<b>TS 25.432</b>	<b>UTRAN Iub interface: signalling transport</b>									
Rel-6	current version: 6.0.0	WG (prime / other):	R3	/ -	rapporteur:	KOIZUMI, Yoshiko	Fujitsu Limited			
	freeze_meeting:	G:			MCC:	CALDENHOVEN, Juergen				
	history (event, available, version, comments):									
	RP-22 2004-01-13 6 . 0 . 0	Required for update of ITU-R M.1457	<a href="#">get it</a>		remarks - general:					remarks - this release: created for M.1457 update
<hr/>										
<b>TS 25.433</b>	<b>UTRAN Iub interface NBAP signalling</b>									
Rel-6	current version: 6.1.0	WG (prime / other):	R3	/ -	rapporteur:	SEHEDIC, Yann	Nortel Networks Germany GmbH & Co. KG			
	freeze_meeting:	G:			MCC:	CALDENHOVEN, Juergen				
	history (event, available, version, comments):									
	RP-22 2004-01-22 6 . 0 . 0									
	RP-23 2004-04-01 6 . 1 . 0									
			<a href="#">get it</a>		remarks - general:					
			<a href="#">get it</a>		remarks - this release:					.

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<b>TS 25.434</b>	<b>UTRAN lub interface data transport &amp; transport signalling for CCH data streams</b>									
Rel-6	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i>	R3	/ -	<i>rapporteur:</i>	LAVASANI, Shahab	TeliaSonera AB			
	<i>freeze_meeting:</i>	G:		U: yes	<i>MCC:</i>	CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>									
	RP-22	2004-01-13	6	.	0	.	0	Required for update of ITU-R M.1457	<a href="#">get it</a>	<i>remarks - general:</i>
	RP-23	2004-04-01	6	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> created for M.1457 update

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<b>TS 25.435</b>	<b>UTRAN lub interface user plane protocols for CCH data streams</b>									
Rel-6	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i>	R3	/ -	<i>rapporteur:</i>	STOJANOVSKI, Saso	NORTEL NETWORKS (EUROPE)			
	<i>freeze_meeting:</i>	G:		U: yes	<i>MCC:</i>	CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>									
	RP-22	2004-01-13	6	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
	RP-23	2004-04-01	6	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> .

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<b>TS 25.442</b>	<b>UTRAN implementation-specific O&amp;M transport</b>									
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i>	R3	/ -	<i>rapporteur:</i>	HAUSER, Alexander	Indicate persons who left Company and wait for new One			
	<i>freeze_meeting:</i>	G:		U: yes	<i>MCC:</i>	CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>									
	RP-22	2004-01-13	6	.	0	.	0	Required for update of ITU-R M.1457	<a href="#">get it</a>	<i>remarks - general:</i>
										<i>remarks - this release:</i> created for M.1457 update

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<b>TS 25.450</b>	<b>UTRAN lupo interface general aspects and principles</b>									
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i>	R3	/	<i>rapporteur:</i>	JOLLEY, Vincent	QUALCOMM EUROPE S.A.R.L.			
	<i>freeze_meeting:</i>	G:		U: yes	<i>MCC:</i>	CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>									
	RP-19	2003-03-26	6	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
										<i>remarks - this release:</i> .

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<b>TS 25.451</b>	<b>UTRAN lupo interface layer 1</b>									
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i>	R3	/	<i>rapporteur:</i>	JOLLEY, Vincent	QUALCOMM EUROPE S.A.R.L.			
	<i>freeze_meeting:</i>	G:		U: yes	<i>MCC:</i>	CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>									
	RP-22	2004-01-13	6	.	0	.	0	Required for update of ITU-R M.1457	<a href="#">get it</a>	<i>remarks - general:</i>
										<i>remarks - this release:</i> created for M.1457 update

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<b>TS 25.452</b>	<b>UTRAN Iu-PS interface: signalling transport</b>								
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> R3 /	<i>rapporteur:</i> JOLLEY, Vincent	QUALCOMM EUROPE S.A.R.L.				
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> CALDENHOVEN, Juergen					
	<i>history (event, available, version, comments):</i>								
	RP-19 2003-03-26 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>					
				<i>remarks - this release:</i>					
<hr/>									
<b>TS 25.453</b>	<b>UTRAN Iu-PS interface Positioning Calculation Application Part (PCAP) signalling</b>								
Rel-6	<i>current version:</i> 6.4.0		<i>WG (prime / other):</i> R3 /	<i>rapporteur:</i> JOLLEY, Vincent	QUALCOMM EUROPE S.A.R.L.				
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> CALDENHOVEN, Juergen					
	<i>history (event, available, version, comments):</i>								
	RP-19 2003-03-26 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>					
	RP-20 2003-06-17 6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>					
	RP-21 2003-09-30 6 . 2 . 0		<a href="#">get it</a>						
	RP-22 2004-01-13 6 . 3 . 0		<a href="#">get it</a>						
	RP-23 2004-04-06 6 . 4 . 0		<a href="#">get it</a>						
<hr/>									
<b>TS 25.460</b>	<b>UTRAN Iu-PS interface: General aspects and principles</b>								
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> HAUSER, Andreas	Vodafone D2 GmbH				
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> CALDENHOVEN, Juergen					
	<i>history (event, available, version, comments):</i>								
				<i>remarks - general:</i>	WI UID = 23010				
				<i>remarks - this release:</i>					
<hr/>									
<b>TS 25.461</b>	<b>UTRAN Iu-PS interface: Layer 1</b>								
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> KUNZ, Walter	SIEMENS AG				
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> CALDENHOVEN, Juergen					
	<i>history (event, available, version, comments):</i>								
				<i>remarks - general:</i>	WI UID = 23010				
				<i>remarks - this release:</i>					
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<b>TS 25.462</b>	<b>UTRAN Iu-PS interface: Signalling transport</b>								
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> HAUSER, Andreas	Vodafone D2 GmbH				
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> CALDENHOVEN, Juergen					
	<i>history (event, available, version, comments):</i>								
				<i>remarks - general:</i>	WI UID = 23010				
				<i>remarks - this release:</i>					

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 25.463</b>	<b>UTRAN Iuant interface: Remote Electrical Tilting (RET) antennas Application Part (RETAP) signalling</b>								
Rel-6	<i>current version:</i> none			<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> HAUSER, Andreas	Vodafone D2 GmbH			
	<i>freeze_meeting:</i>			G: U: yes	<i>MCC:</i> CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>							<i>remarks - general:</i> WI UID = 23010	
								<i>remarks - this release:</i> .	
<hr/>									
<b>TR 25.801</b>	<b>Feasibility study for improved access to User Equipment (UE) measurement data for Controlling Radio Network Controller (CRNC) to support Time Division Duplex (TDD) Radio</b>								
Rel-6	<i>current version:</i> <b>Resource Management (RRM)</b>	6.0.0		<i>WG (prime / other):</i> R3	/-	<i>rapporteur:</i> MILLER, James			
	INTERDIGITAL COMMUNICATIONS CORPORATION								
	<i>freeze_meeting:</i>			G: U: yes	<i>MCC:</i> CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>								
	RP-20	2003-06-17	1 . 0 . 0	RP-030342	<a href="#">get it</a>			<i>remarks - general:</i>	
	RP-21	2003-09-26	2 . 0 . 0	RP-030425	<a href="#">get it</a>			<i>remarks - this release:</i> .	
	RP-21	2003-09-30	6 . 0 . 0		<a href="#">get it</a>				
<hr/>									
<b>TR 25.803</b>	<b>S-CCPCH performance for MBMS</b>								
Rel-6	<i>current version:</i> 1.3.0	DRAFT		<i>WG (prime / other):</i> R1 /	<i>rapporteur:</i> MALLADI, Durga	QUALCOMM EUROPE S.A.R.L.			
	<i>freeze_meeting:</i>			G: U: yes	<i>MCC:</i> SASAKI, Tsukasa				
	<i>history (event, available, version, comments):</i>								
	R1-33		0 . 0 . 1					<i>remarks - general:</i>	
	R1-33	2003-09-11	0 . 0 . 2		<a href="#">get it</a>			<i>remarks - this release:</i> 2003-06-25: anticipate approval at RP-22.	
post	R1-33	2003-09-13	0 . 1 . 0	R1-030950	<a href="#">get it</a>				
	RP-21	2003-09-29	1 . 0 . 0	RP-030535	<a href="#">get it</a>				
	R1-34		1 . 1 . 0						
	R1-35	2003-11-24	1 . 1 . 1	R1-031412	<a href="#">get it</a>				
	R1-35	2003-12-02	1 . 2 . 0	R1-031413	<a href="#">get it</a>				
	R1-36	2004-02-23	1 . 2 . 1	R1-040387	<a href="#">get it</a>				
	RP-23	2004-03-05	1 . 3 . 0		<a href="#">get it</a>				
<hr/>									
<b>TR 25.804</b>	<b>Feasibility study on uplink enhancements for UTRA TDD</b>								
Rel-6	<i>current version:</i> 0.0.1	DRAFT		<i>WG (prime / other):</i> R1 /	<i>rapporteur:</i> RUDOLF, Marian	INTERDIGITAL COMMUNICATIONS CORPORATION			
	<i>freeze_meeting:</i>			G: U: yes	<i>MCC:</i> SASAKI, Tsukasa				
	<i>history (event, available, version, comments):</i>								
	R1-33	2003-09-05	0 . 0 . 1	R1-030940	<a href="#">get it</a>			<i>remarks - general:</i> 2003-09-04: anticipated approval at RP-23. WI = RInImp-FSUEnhTDD.	
								<i>remarks - this release:</i> .	

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<b>TR 25.805</b>	<b>DS-CDMA introduction in the 800 MHz band</b>								
Rel-6	current version: 0.3.0	DRAFT	WG (prime / other): R4 /	rapporteur: NAKAMURA, Takehiro	NTT DoCoMo Inc.				
	freeze_meeting:		G: U: yes	MCC: GUTIERREZ MIGUELEZ, Cesar					
	history (event, available, version, comments):								
	draft	0 . 1 . 0					remarks - general:	WI = RInImp-UMTS800 (UID 24009)	
	R4-28	0 . 2 . 0					remarks - this release:	.	
	R4-29 2003-12-05	0 . 3 . 0	claims to be a "draft"	<a href="#">get it</a>					

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<b>TR 25.806</b>	<b>UMTS 1700/2100MHz Work Item</b>								
Rel-6	current version: 6.0.0		WG (prime / other): R4 /	rapporteur: NUMMINEN, Jussi	NOKIA Corporation				
	freeze_meeting:		G: U: yes	MCC: GUTIERREZ MIGUELEZ, Cesar					
	history (event, available, version, comments):								
	R4-28	0 . 0 . 0	R4-030830				remarks - general:	WI = RInImp-UMTS850 (UID 24007) & RInImp-UMTS1721 (UID 24010). 2004-01-19: title	
	R4-29 2004-01-19	0 . 1 . 0	R4-031120	<a href="#">get it</a>			remarks - this release:	. changed from "UMTS 1700/2100MHz and UMTS 850MHz Work Items".	
	R4-30	1 . 0 . 0	R4-040147						
	RP-23 2004-03-05	1 . 0 . 1	RP-040051	<a href="#">get it</a>					
	RP-23 2004-04-01	6 . 0 . 0		<a href="#">get it</a>					

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<b>TR 25.807</b>	<b>Low output powers for general purpose Frequency Division Duplex (FDD) Base Station (BS)</b>								
Rel-6	current version: 6.0.0		WG (prime / other): R3 / -	rapporteur: BURGOS MARTÍNEZ, Ana	TELEFONICA S.A.				
	freeze_meeting:		G: U: yes	MCC: CALDENHOVEN, Juergen					
	history (event, available, version, comments):								
	RP-23 2004-03-22	1 . 0 . 0	RP-040076 for approval	<a href="#">get it</a>			remarks - general:		
	RP-23 2004-04-01	6 . 0 . 0		<a href="#">get it</a>			remarks - this release:	.	

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<b>TR 25.808</b>	<b>Enhanced uplink for UTRA FDD; Physical layer aspects</b>								
Rel-6	current version: 0.0.1	DRAFT	WG (prime / other): R1 / -	rapporteur: RANTA-AHO, Karri	NOKIA Corporation				
	freeze_meeting:		G: U: yes	MCC: SASAKI, Tsukasa					
	history (event, available, version, comments):								
	draft 2004-05-04	0 . 0 . 0	R1-040516	<a href="#">get it</a>			remarks - general:		
	R1-37 2004-05-25	0 . 0 . 1	R1-040658	<a href="#">get it</a>			remarks - this release:	.	

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<b>TR 25.852</b>	<b>lu enhancements for IP Multimedia (IMS) support in UTRAN</b>								
Rel-6	<i>current version:</i> 0.0.0	DRAFT	<i>WG (prime / other):</i> R3 /	<i>rapporteur:</i> GODIN, Philippe	NORTEL NETWORKS (EUROPE)				
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> CALDENHOVEN, Juergen					
	<i>history (event, available, version, comments):</i>								
	RP-11	2001-04-06	0 . 0 . 0	Inherited from Rel-4.	<a href="#">get it</a>	<i>remarks - general:</i>	2003-09-08: Title changed from "Radio access bearer support enhancements for the		
						<i>remarks - this release:</i>	. lu".		
<hr/>									
<b>TR 25.862</b>	<b>RAB support for IMS</b>								
Rel-6	<i>current version:</i> 1.0.0	DRAFT	<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> MIKOLA, Juha	NOKIA Corporation				
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> ARZELIER, Claude					
	<i>history (event, available, version, comments):</i>								
	draft		0 . 0 . 0			<i>remarks - general:</i>			
	Updates based on		0 . 1 . 0			<i>remarks - this release:</i>	.		
	R2-032319 and a								
	Siemens text								
	proposal.								
	R2-40		0 . 2 . 0						
	RP-23	2004-03-22	1 . 0 . 0	ex R2-41 -> RP-040122	<a href="#">get it</a>				
<hr/>									
<b>TR 25.867</b>	<b>Feasibility study for wideband distribution systems in 3rd generation networks</b>								
Rel-6	<i>current version:</i> 1.0.0	DRAFT	<i>WG (prime / other):</i> R4 /	<i>rapporteur:</i> MATARASSO, Carlo	Mikom - Andrew				
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar					
	<i>history (event, available, version, comments):</i>								
	RP-14	2002-01-02	1 . 0 . 0	inherited from Rel-5	<a href="#">get it</a>	<i>remarks - general:</i>			
						<i>remarks - this release:</i>	2003-11-28: WG secretary reports: Timed out of Rel-5, moved to Rel-6.		
<hr/>									
<b>TR 25.869</b>	<b>Transmitter diversity solutions for multiple antennas</b>								
Rel-6	<i>current version:</i> 1.2.0	DRAFT	<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> KIM, Sung-Jin	Samsung Electronics Ind. Co., Ltd.				
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> SASAKI, Tsukasa					
	<i>history (event, available, version, comments):</i>								
	RP-15	2002-03-19	1 . 0 . 2	RP-020130 - RP-20: to Rel-6	<a href="#">get it</a>	<i>remarks - general:</i>			
	draft		1 . 1 . 0			<i>remarks - this release:</i>	.		
	draft		1 . 1 . 1						
	draft	2003-09-30	1 . 2 . 0	R1-030946	<a href="#">get it</a>				

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<b>TR 25.876</b>	<b>Multiple Input Multiple Output (MIMO) Antennae in UTRA</b>								
Rel-6	<i>current version:</i> 1.5.0	DRAFT	<i>WG (prime / other):</i> R1 /	<i>rapporteur:</i> HUANG, Howard	Lucent Technologies				
	<i>freeze_meeting:</i>		<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa					
	<i>history (event, available, version, comments):</i>								
	R1-34	2003-11-03	1 . 1 . 1	<a href="#">get it</a>	<i>remarks - general:</i> RP-20: reference to HSDPA removed from title				
post	R1-34	2003-11-26	1 . 2 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> Timed out of Rel-5.				
	R1-36	2004-02-26	1 . 2 . 1	<a href="#">get it</a>					
post	R1-36	2004-02-26	1 . 3 . 0	<a href="#">get it</a>	R1-040366: many editorial problems yet to be fixed				
	R1-37	2004-05-07	1 . 3 . 1	<a href="#">get it</a>					
	RP-24	2004-05-24	1 . 4 . 0	<a href="#">get it</a>	R1-040637 or R1-040659				
	draft	2004-05-26	1 . 5 . 0	<a href="#">get it</a>					

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<b>TR 25.887</b>	<b>Beamforming enhancements</b>								
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> KAHTAVA, Jussi	Nokia Japan Co, Ltd				
	<i>freeze_meeting:</i>		<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa					
	<i>history (event, available, version, comments):</i>								
	R1-26		1 . 1 . 0		<i>remarks - general:</i>				
	R1-28		1 . 2 . 0		<i>remarks - this release:</i> .				
	R1-28		1 . 3 . 0						
	draft		1 . 3 . 1		resulting from discussions at RP-22				
	draft	2004-02-13	1 . 7 . 0	<a href="#">get it</a>	R1-040188				
	R1-36		1 . 7 . 1						
	RP-23	2004-03-04	2 . 0 . 0	<a href="#">get it</a>	R1-36 -> RP-040083				
	RP-23	2004-04-02	6 . 0 . 0	<a href="#">get it</a>					

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<b>TR 25.888</b>	<b>Improvement of inter frequency and inter system measurement for 1,28 Mcps TDD</b>								
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> LI, Xiaoqiang	SAMSUNG Electronics Research Institute				
	<i>freeze_meeting:</i>		<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa					
	<i>history (event, available, version, comments):</i>								
	RP-18	2003-01-06	1 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
	RP-21	2003-09-26	2 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .				
	RP-21	2003-10-13	6 . 0 . 0	<a href="#">get it</a>					

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<b>TR 25.889</b>	<b>Feasibility study considering the viable deployment of UTRA in additional and diverse spectrum arrangements</b>				
Rel-6	current version: 6.0.0		WG (prime / other): R4 / -	rapporteur: STAHLFJALL, Peter	Telefon AB LM Ericsson
	freeze_meeting:		G: U: yes	MCC: GUTIERREZ MIGUELEZ, Cesar	
history (event, available, version, comments):					
	RP-16	2002-06-26	1 . 0 . 0	RP-020354	<a href="#">get it</a> remarks - general:
	RP-17	2002-09-24	1 . 1 . 0	RP-020657	<a href="#">get it</a> remarks - this release: .
	RP-18	2003-01-06	1 . 2 . 1	RP-020690	<a href="#">get it</a>
	R4-26		1 . 3 . 0		
	R4-27		1 . 4 . 0		
	RP-20	2003-06-17	2 . 0 . 0	RP-030343	<a href="#">get it</a>
	RP-20	2003-07-01	6 . 0 . 0	RP-21: Agreed (RP-030511) to send this document to ITU-R WP8F, so it needs to be an externally published TR rather than 3GPP-internal. On closer inspection, it is full of illegal references to non-publicly-available documetns. So do not publish.	<a href="#">get it</a>

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<b>TR 25.891</b>	<b>Improvement of Radio Resource Management (RRM) across RNS and RNS/BSS post-Rel-5</b>				
Rel-6	current version: 0.3.0	DRAFT	WG (prime / other): R3 /	rapporteur: HWANG, Woonhee	NOKIA Corporation
	freeze_meeting:		G: U: yes	MCC: CALDENHOVEN, Juergen	
history (event, available, version, comments):					
	R3-31		0 . 0 . 1		remarks - general:
	R3-31		0 . 1 . 0		remarks - this release: .
	draft	2002-10-11	0 . 1 . 1		<a href="#">get it</a>
	draft	2003-01-24	0 . 2 . 1		<a href="#">get it</a>
	draft	2003-06-18	0 . 3 . 0		<a href="#">get it</a>

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**TR 25.892 Feasibility study for Orthogonal Frequency Division Multiplexing (OFDM) for UTRAN enhancement**

Rel-6 *current version:* 2.0.0 DRAFT *WG (prime / other):* R1 / *rapporteur:* BOUMENDIL, Sarah NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* G: U: yes *MCC:* SASAKI, Tsukasa

*history (event, available, version, comments):*

R1-27		0 . 0 . 1		
R1-29		0 . 0 . 2		
R1-33		0 . 0 . 3		
R1-31		0 . 1 . 0		
R1-31		0 . 1 . 1		
R1-31		0 . 1 . 2		
R1-31	2003-03-31	0 . 2 . 0		<a href="#">get it</a>
R1-31		0 . 2 . 1		
R1-33		0 . 3 . 0		
R1-33	2003-09-05	0 . 3 . 1		<a href="#">get it</a>
R1-34		0 . 4 . 0		
R1-34	2003-10-21	0 . 4 . 1	R1-031150 (includes R1-031127)	<a href="#">get it</a>
R1-35		0 . 5 . 0		
R1-35		0 . 5 . 1		
R1-35	2003-12-03	0 . 5 . 2	R1-031436	<a href="#">get it</a>
draft		0 . 6 . 0		
draft		0 . 6 . 1		
R1-36		1 . 0 . 0		
R1-36		1 . 0 . 1		
RP-23	2004-03-05	1 . 1 . 0	R1-040394, RP-040119	<a href="#">get it</a>
R1-37	2004-05-26	1 . 2 . 0	R1-040655	<a href="#">get it</a>
RP-24		2 . 0 . 0	RP-040221 ex R1-37	

*remarks - general:*  
*remarks - this release:* .

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**TR 25.894 Enhanced UE positioning using software blanking**

Rel-6 *current version:* none *WG (prime / other):* R2 / - *rapporteur:* BARTLETT, David Indicate persons who left Company and wait for new One  
*freeze\_meeting:* G: U: yes *MCC:* ARZELIER, Claude

*history (event, available, version, comments):*

*remarks - general:*  
*remarks - this release:* .

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**TR 25.895 Analysis of higher chip rates for UTRA TDD evolution**

Rel-6 current version: 1.3.3 DRAFT

WG (prime / other): R1 / - rapporteur: BEALE, Martin IPWireless Inc.

G: U: yes MCC: SASAKI, Tsukasa

freeze\_meeting:

history (event, available, version, comments):

RP-19	2003-03-24	1	.	0	.	0	RP-030095
R1-31	2003-09-09	1	.	2	.	0	R1-030926
R1-34	2003-10-15	1	.	2	.	2	R1-031143
R1-35		1	.	3	.	0	
R4-29	2003-12-03	1	.	3	.	1	R4-031018
R4-30	2004-02-27	1	.	3	.	2	R1-040389
R1-37	2004-05-28	1	.	3	.	3	R1-040656

[get it](#) remarks - general:

[get it](#) remarks - this release: 2002-10-07: anticipate approval at RP-20.

[get it](#)

[get it](#)

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## TR 25.896 Feasibility study for enhanced uplink for UTRA FDD

Rel-6 current version: 6.0.0

freeze\_meeting:

history (event, available, version, comments):

R1-28b	0	.	0	.	1	R1-021218	
R1-29	0	.	0	.	2	R1-021259	
R1-30	0	.	0	.	3		
R1-30	0	.	0	.	4		
R1-30	0	.	1	.	0		
R1-30	0	.	1	.	1		
R1-31	0	.	2	.	0	R1-030311	
R1-31	0	.	2	.	1		
R1-31	0	.	2	.	2		
post R1-31	0	.	3	.	0		
RP-32	0	.	3	.	1		
post RP-32	0	.	3	.	2		
post RP-32	0	.	3	.	3		
R1-33	0	.	4	.	0		
post R1-33	2003-09-04	0	.	4	.	1	R1-030951 <a href="#">get it</a>
post R1-33	2003-09-13	0	.	4	.	2	R1-030952 <a href="#">get it</a>
RP-21	2003-09-26	1	.	0	.	0	RP-030512 <a href="#">get it</a>
draft	2003-10-13	1	.	0	.	1	R1-031148 <a href="#">get it</a>
R1-35	2003-11-03	1	.	0	.	2	R1-031164 <a href="#">get it</a>
post R1-35		1	.	1	.	0	
post R1-35	2003-12-03	1	.	1	.	1	R1-031422 <a href="#">get it</a>
post R1-35	2003-12-05	1	.	1	.	2	R1-031423 <a href="#">get it</a>
draft		1	.	2	.	0	R1-040105
draft	2004-02-05	1	.	2	.	1	R1-040109 <a href="#">get it</a>
R1-36		1	.	3	.	0	
R1-36	2004-02-26	1	.	3	.	1	R1-040388 <a href="#">get it</a>
posat R1-36	2004-03-01	1	.	3	.	2	R1-040391 <a href="#">get it</a>
RP-23	2004-03-04	2	.	0	.	0	R1-040392 -> RP-040046 <a href="#">get it</a>
RP-23	2004-04-03	6	.	0	.	0	<a href="#">get it</a>

WG (prime / other): R1 / -

G: U: yes

rapporteur: RANTA-AHO, Karri

MCC: SASAKI, Tsukasa

NOKIA Corporation

remarks - general:

remarks - this release: .

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<b>TR 25.897</b>	<b>Feasibility study on the evolution of UTRAN architecture</b>								
Rel-6	<i>current version:</i> 0.3.1	DRAFT	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> KEKKI, Sami	NOKIA Corporation				
	<i>freeze_meeting:</i>		<i>G:</i> U: yes	<i>MCC:</i> CALDENHOVEN, Juergen					
	<i>history (event, available, version, comments):</i>								
	draft	2003-01-24	0 . 1 . 1					<a href="#">get it</a>	<i>remarks - general:</i>
	R3-36	2003-08-19	0 . 2 . 1					<a href="#">get it</a>	<i>remarks - this release:</i> .
	R3-38	2003-11-06	0 . 3 . 1	R3-031555				<a href="#">get it</a>	
<hr/>									
<b>TR 25.898</b>	<b>Power control enhancements for UTRA</b>								
Rel-6	<i>current version:</i> 0.1.0	DRAFT	<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> MITRA, Diptendu	NOKIA UK Ltd				
	<i>freeze_meeting:</i>		<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa					
	<i>history (event, available, version, comments):</i>								
	R1-33	2003-09-10	0 . 1 . 0					<a href="#">get it</a>	<i>remarks - general:</i>
									<i>remarks - this release:</i> .
<hr/>									
<b>TR 25.899</b>	<b>High Speed Download Packet Access (HSDPA) enhancements</b>								
Rel-6	<i>current version:</i> 1.0.0	DRAFT	<i>WG (prime / other):</i> R1 /	<i>rapporteur:</i> FUKUI, Noriyuki	Mitsubishi Electric Co.				
	<i>freeze_meeting:</i>		<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa					
	<i>history (event, available, version, comments):</i>								
	draft		0 . 0 . 1	R1-021443					<i>remarks - general:</i>
	R1-31		0 . 0 . 2	R1-030373					<i>remarks - this release:</i> RP-23: v1.0.0 xpected RP-24.
	R1-31		0 . 0 . 3	R1-030380					
	R1-31		0 . 1 . 0	R1-030382					
	R1-32		0 . 2 . 0	R1-030634					
	R1-34	2003-10-14	0 . 2 . 1	R1-031149				<a href="#">get it</a>	
	R1-34	2003-11-07	0 . 2 . 2	R1-031174				<a href="#">get it</a>	
	draft		0 . 3 . 1	R1-031418					
	draft	2004-01-07	0 . 3 . 2	R1-031425				<a href="#">get it</a>	
	R1-35	2004-02-05	0 . 3 . 3	R1-040201				<a href="#">get it</a>	
	R1-36	2004-02-23	0 . 4 . 0	R1-040384				<a href="#">get it</a>	
	R1-37	2004-05-24	0 . 4 . 1	R1-040649				<a href="#">get it</a>	
	draft	2004-05-27	0 . 5 . 0	Existance deduced from report of RP-23 §8.12 (R1-040657); appears as R1-040657				<a href="#">get it</a>	
	RP-24	2004-05-28	1 . 0 . 0	RP-040222				<a href="#">get it</a>	

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G = required in systems with GERAN acces; U = required in systems with UMTS access.





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**TR 25.992 Multimedia Broadcast/Multicast Service (MBMS); UTRAN/GERAN requirements**

Rel-6 *current version:* 6.0.0 *WG (prime / other):* RP / GP *rapporteur:* PIRSKANEN, Juho NOKIA Corporation  
*freeze\_meeting:* G: yes U: yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version, comments):*

draft		1	.	0	.	0	NOT seen by TSG RAN. Suspect version number is too optimistic.	<a href="#">get it</a>	<i>remarks - general:</i>
draft		1	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> .
draft	2003-01-20	1	.	2	.	0	Exploder list. Still not seen by RAN.	<a href="#">get it</a>	
RP-19	2003-03-24	1	.	3	.	0	RP-030016	<a href="#">get it</a>	
RP-20	2003-06-02	2	.	0	.	0	RP-030310 - not approved	<a href="#">get it</a>	
pre-RP-21	2003-08-19	2	.	0	.	1	cleaned up draft from MCC	<a href="#">get it</a>	
RP-21	2003-09-29	2	.	0	.	2	RP-030426	<a href="#">get it</a>	
RP-21	2003-10-02	6	.	0	.	0		<a href="#">get it</a>	

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**TR 25.993 Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)**

Rel-6 *current version:* 6.5.0 *WG (prime / other):* R2 / *rapporteur:* FAUCONNIER, Denis NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* G: U: yes *MCC:* ARZELIER, Claude

*history (event, available, version, comments):*

RP-18	2002-12-16	0	.	0	.	0	RP-020814; version number incorrect on the document	<a href="#">get it</a>	<i>remarks - general:</i>
RP-18	2003-01-16	0	.	1	.	0	RP-020877	<a href="#">get it</a>	<i>remarks - this release:</i> SP-17: Currently the latest release version.
RP-18		2	.	0	.	0	RP-020890 = composite of previous two versions!		
RP-18	2003-01-13	6	.	0	.	0	also created identical R99, Rel-4, Rel-5 versions	<a href="#">get it</a>	
RP-19	2003-03-25	6	.	1	.	0		<a href="#">get it</a>	
RP-20	2003-06-20	6	.	2	.	0		<a href="#">get it</a>	
RP-21	2003-10-02	6	.	3	.	0		<a href="#">get it</a>	
RP-22	2004-01-12	6	.	4	.	0		<a href="#">get it</a>	
RP-23	2004-03-24	6	.	5	.	0		<a href="#">get it</a>	

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**TR 25.996 Spacial channel model for Multiple Input Multiple Output (MIMO) simulations**

Rel-6 *current version:* 6.1.0 *WG (prime / other):* R1 / *rapporteur:* HUANG, Howard Lucent Technologies  
*freeze\_meeting:* G: U: yes *MCC:* SASAKI, Tsukasa

*history (event, available, version, comments):*

RP-19	2003-03-24	1	.	0	.	0	RP-030181	<a href="#">get it</a>	<i>remarks - general:</i>
RP-20	2003-06-17	2	.	0	.	0	RP-030311	<a href="#">get it</a>	<i>remarks - this release:</i> .
RP-20	2003-07-03	6	.	0	.	0		<a href="#">get it</a>	
RP-21	2003-09-29	6	.	1	.	0		<a href="#">get it</a>	

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**TS 26.093 AMR speech Codec; Source Controlled Rate operation**

Rel-6 *current version:* 6.0.0 *WG (prime / other):* S4 / - *rapporteur:* EKUDDEN, Erik Telefon AB LM Ericsson  
*freeze\_meeting:* *G:* yes *U:* yes *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
SP-19 2003-04-04 6 . 0 . 0

[get it](#) *remarks - general:* Transfer>TSG#4  
*remarks - this release:* .

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**TS 26.104 ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec**

Rel-6 *current version:* 6.1.0 *WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*freeze\_meeting:* *G:* yes *U:* yes *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
SP-22 2004-01-06 6 . 0 . 0  
SP-23 2004-04-01 6 . 1 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* .

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**TS 26.141 IP Multimedia System (IMS) Messaging and Presence; Media formats and codecs**

Rel-6 *current version:* none *WG (prime / other):* S4 / - *rapporteur:* HONKO, Harri NOKIA Corporation  
*freeze\_meeting:* *G:* *U:* yes *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
*remarks - general:* WI = "Media Codecs and Formats for IMS Messaging and Presence" UID 32045.  
*remarks - this release:* .

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**TS 26.234 Transparent end-to-end streaming service; Protocols and codecs**

Rel-6 *current version:* none *WG (prime / other):* S4 / - *rapporteur:* FRANCESCHI, Olle Nippon Ericsson K.K.  
*freeze\_meeting:* *G:* *U:* yes *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* SP-19: CRs anticipated at SP-22. SP-21: Intend to split the Rel-6 spec into four separate specs.

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<b>TS 26.235</b>	<b>Packet switched conversational multimedia applications; Default codecs</b>								
Rel-6	current version: 6.0.0		WG (prime / other): S4 / -	rapporteur: OJALA, Pasi		Nokia Research Center			
	freeze_meeting:		G: yes U: yes	MCC: USAI, Paolino					
	history (event, available, version, comments):								
	SP-20 2003-06-25	6 . 0 . 0						<a href="#">get it</a>	remarks - general: remarks - this release: .
<hr/>									
<b>TS 26.243</b>	<b>ANSI C code for the fixed-point distributed speech recognition extended advanced front-end</b>								
Rel-6	current version: 1.0.0	DRAFT	WG (prime / other): S4 /	rapporteur: PEARCE, David		MOTOROLA Ltd			
	freeze_meeting:		G: yes U: yes	MCC: USAI, Paolino					
	history (event, available, version, comments):								
	SP-23 2004-03-22	1 . 0 . 0	SP-040064 (no C code included)					<a href="#">get it</a>	remarks - general: WI UID = 34700 remarks - this release: .
<hr/>									
<b>TS 26.244</b>	<b>Transparent end-to-end streaming service; 3GPP file format (3GP)</b>								
Rel-6	current version: 6.0.0		WG (prime / other): S4 / -	rapporteur: FRANCESCHI, Olle		Nippon Ericsson K.K.			
	freeze_meeting:		G: U: yes	MCC: USAI, Paolino					
	history (event, available, version, comments):								
	draft 2003-04-04	0 . 1 . 3						<a href="#">get it</a>	remarks - general: remarks - this release: .
	draft	0 . 2 . 5							
	SP-22 2004-01-05	1 . 0 . 0	SP-030672					<a href="#">get it</a>	
	SP-23 2004-03-22	2 . 0 . 0	SP-040065					<a href="#">get it</a>	
	SP-23 2004-04-01	6 . 0 . 0						<a href="#">get it</a>	
<hr/>									
<b>TS 26.245</b>	<b>Transparent end-to-end streaming service; Timed text format</b>								
Rel-6	current version: 0.1.7	DRAFT	WG (prime / other): S4 / -	rapporteur: FRANCESCHI, Olle		Nippon Ericsson K.K.			
	freeze_meeting:		G: U: yes	MCC: USAI, Paolino					
	history (event, available, version, comments):								
	draft	0 . 0 . 0	S4-020670						remarks - general: remarks - this release: .
	draft	0 . 1 . 0	S4-030023						
	draft	0 . 1 . 1	S4-030062						
	draft	0 . 1 . 2	S4-030151						
	draft 2003-04-04	0 . 1 . 3	S4-030251					<a href="#">get it</a>	
	draft	0 . 1 . 4	S4-030344						
	S4-26	0 . 1 . 5	S4-030421						
	draft 2003-07-24	0 . 1 . 6	S4-030581					<a href="#">get it</a>	
	draft 2004-02-12	0 . 1 . 7	S4-030798					<a href="#">get it</a>	

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<b>TS 26.246</b>	<b>Transparent end-to-end Packet-switched Streaming Service (PSS); 3GPP SMIL language profile</b>						
Rel-6	current version: 1.0.0	DRAFT	WG (prime / other): S4 / -	rapporteur:	USAI, Paolino		
	freeze_meeting:		G: U: yes	MCC:			
history (event, available, version, comments):							
	draft	2003-04-03	0 . 0 . 1	<a href="#">get it</a>	remarks - general:	Created S4-25bis. See S4-030135.	
	draft		0 . 0 . 2		remarks - this release:	.	
	draft	2003-08-29	0 . 0 . 3	<a href="#">get it</a>			
	SP-22	2004-01-05	1 . 0 . 0	<a href="#">get it</a>			
			SP-030673				
<hr/>							
<b>TS 26.273</b>	<b>Fixed-point ANSI-C code for the Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec</b>						
Rel-6	current version: 0.5.0	DRAFT	WG (prime / other): S4 / -	rapporteur:	VAINIO, Janne	NOKIA Corporation	
	freeze_meeting:		G: U: yes	MCC:	USAI, Paolino		
history (event, available, version, comments):							
	draft		0 . 5 . 0		remarks - general:		
					remarks - this release:	.	
<hr/>							
<b>TS 26.290</b>	<b>Audio codec processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Transcoding functions</b>						
Rel-6	current version: 0.5.0	DRAFT	WG (prime / other): S4 / -	rapporteur:	VAINIO, Janne	NOKIA Corporation	
	freeze_meeting:		G: U: yes	MCC:	USAI, Paolino		
history (event, available, version, comments):							
	draft	2004-05-25	0 . 5 . 0	<a href="#">get it</a>	remarks - general:	based on very old template!	
					remarks - this release:	.	
<hr/>							
<b>TS 26.304</b>	<b>Floating--point ANSI-C code for the Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec</b>						
Rel-6	current version: 0.5.0	DRAFT	WG (prime / other): S4 / -	rapporteur:	VAINIO, Janne	NOKIA Corporation	
	freeze_meeting:		G: U: yes	MCC:	USAI, Paolino		
history (event, available, version, comments):							
	draft		0 . 5 . 0		remarks - general:		
					remarks - this release:	.	
<hr/>							
<b>TS 26.346</b>	<b>Multimedia Broadcast/Multicast Service (MBMS); Protocols and codecs</b>						
Rel-6	current version: 0.1.0	DRAFT	WG (prime / other): S4 / S2, S3	rapporteur:	CURCIO, Igor	NOKIA Corporation	
	freeze_meeting:		G: U: yes	MCC:	USAI, Paolino		
history (event, available, version, comments):							
	S4-28		0 . 0 . 0		remarks - general:	WI = "Multimedia Broadcast and Multicast Service" UID 2544.	
	draft	2003-08-29	0 . 1 . 0	<a href="#">get it</a>	remarks - this release:	SP-22: v1.0.0 had been expected this mtg, but at least 3 months delay expected.	
			does not show spec number or version on cover				

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<b>TS 26.401</b>	<b>General audio codec audio processing functions; Enhanced aacPlus general audio codec; General description</b>								
Rel-6	<i>current version:</i> 0.0.1	DRAFT	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> KUNZ, Oliver	Coding Technologies GmbH				
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> USAI, Paolino					
	<i>history (event, available, version, comments):</i>								
	S4-31	2004-05-25	0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>				
<hr/>									
<b>TS 26.402</b>	<b>General audio codec audio processing functions; Enhanced aacPlus general audio codec; Additional decoder tools</b>								
Rel-6	<i>current version:</i> 0.0.1	DRAFT	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> KUNZ, Oliver	Coding Technologies GmbH				
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> USAI, Paolino					
	<i>history (event, available, version, comments):</i>								
	S4-31	2004-05-25	0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>				
<hr/>									
<b>TS 26.403</b>	<b>General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Advanced Audio Coding (AAC) part</b>								
Rel-6	<i>current version:</i> 0.0.1	DRAFT	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> KUNZ, Oliver	Coding Technologies GmbH				
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> USAI, Paolino					
	<i>history (event, available, version, comments):</i>								
	S4-31	2004-05-25	0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>				
<hr/>									
<b>TS 26.404</b>	<b>General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Spectral Band Replication (SBR) part</b>								
Rel-6	<i>current version:</i> 0.0.1	DRAFT	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> KUNZ, Oliver	Coding Technologies GmbH				
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> USAI, Paolino					
	<i>history (event, available, version, comments):</i>								
	S4-31	2004-05-25	0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>				
<hr/>									
<b>TS 26.405</b>	<b>General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Parametric stereo part</b>								
Rel-6	<i>current version:</i> 0.0.1	DRAFT	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> KUNZ, Oliver	Coding Technologies GmbH				
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> USAI, Paolino					
	<i>history (event, available, version, comments):</i>								
	S4-31	2004-05-25	0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>				

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<b>TS 26.410</b>	<b>General audio codec audio processing functions; Enhanced aacPlus general audio codec; ANSI-C code</b>								
Rel-6	<i>current version:</i> none			<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> KUNZ, Oliver			Coding Technologies GmbH	
	<i>freeze_meeting:</i>			G: U: yes	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version, comments):</i>								<i>remarks - general:</i>
									<i>remarks - this release:</i> .
<hr/>									
<b>TR 26.935</b>	<b>Packet switched conversational multimedia applications; Default codecs; Performance characterization</b>								
Rel-6	<i>current version:</i> 1.4.0	DRAFT		<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> BERTENYI, Balazs			NOKIA Corporation	
	<i>freeze_meeting:</i>			G: U: yes	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version, comments):</i>								
	SP-23 2004-03-22 1 . 0 . 0	SP-040063		<a href="#">get it</a>	<i>remarks - general:</i>	2004-01-05: Drafted by Dynasat (Alan Sharpley & Ira Panzer) under 3GPP Guest			
	S4-30 2004-05-12 1 . 4 . 0	S4-040218		<a href="#">get it</a>	<i>remarks - this release:</i>	status. To be approved at S4-30.			
<hr/>									
<b>TR 26.937</b>	<b>Transparent end-to-end packet switched streaming service (PSS); Real-time Transport Protocol (RTP) usage model</b>								
Rel-6	<i>current version:</i> 6.0.0			<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> VARSA, Viktor			Nokia Telecommunications Inc.	
	<i>freeze_meeting:</i>			G: U: yes	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version, comments):</i>								
	SP-23 2004-04-01 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				<i>remarks - this release:</i> .
<hr/>									
<b>TR 26.946</b>	<b>Multimedia Broadcast/Multicast Service (MBMS) user service guidelines</b>								
Rel-6	<i>current version:</i> none			<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> LOHMAR, Thorsten			Nippon Ericsson K.K.	
	<i>freeze_meeting:</i>			G: U: yes	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version, comments):</i>								
									<i>remarks - general:</i>
									<i>remarks - this release:</i> .
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## TS 27.007 AT command set for 3G User Equipment (UE)

Rel-6 *current version:* 6.4.0 *WG (prime / other):* T2 / - *rapporteur:* CHRISTENSEN, Soren Telefon AB LM Ericsson  
*freeze\_meeting:* G: yes U: yes *MCC:* RODERMUND, Friedhelm  
*history (event, available, version, comments):*  
TP-16 2002-06-25 6 . 0 . 0 [get it](#) *remarks - general:*  
TP-18 2002-12-20 6 . 1 . 0 [get it](#) *remarks - this release:* .  
TP-19 2003-03-31 6 . 2 . 0 [get it](#)  
TP-20 2003-06-23 6 . 3 . 0 [get it](#)  
TP-21 2003-10-03 6 . 4 . 0 [get it](#)

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## TS 29.002 Mobile Application Part (MAP) specification

Rel-6 *current version:* 6.5.0 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* G: yes U: yes *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
NP-18 2003-01-09 6 . 0 . 0 [get it](#) *remarks - general:*  
NP-19 2003-04-04 6 . 1 . 0 [get it](#) *remarks - this release:*  
NP-20 2003-07-08 6 . 2 . 0 [get it](#)  
NP-21 2003-10-09 6 . 3 . 0 [get it](#)  
NP-22 2004-01-13 6 . 4 . 0 [get it](#)  
NP-23 2004-03-23 6 . 5 . 0 [get it](#)

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## TS 29.010 Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling

Rel-6 *current version:* Procedures and the Mobile Application Part (MAP) 6.2.0WG *(prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo  
TeliaSonera AB  
*freeze\_meeting:* G: yes U: yes *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
MP-21 2003-10-09 6 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4 (transfer??)  
NP-22 2004-01-12 6 . 1 . 0 [get it](#) *remarks - this release:* .  
NP-23 2004-03-23 6 . 2 . 0 [get it](#)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.



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<b>TS 29.060</b>	<b>General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface</b>				
Rel-6	<i>current version:</i> 6.4.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB	
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>				
	NP-19 2003-04-04 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-20 2003-06-27 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-21 2003-10-09 6 . 2 . 0	<a href="#">get it</a>			
	NP-22 2004-01-12 6 . 3 . 0	<a href="#">get it</a>			
	NP-23 2004-03-24 6 . 4 . 0	<a href="#">get it</a>			

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<b>TS 29.061</b>	<b>Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)</b>				
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> HUSLENDE, Ragnar	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> BOSWARTHICK, David		
	<i>history (event, available, version, comments):</i>				
	NP-23 2004-03-22 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Former title: "General Packet Radio Service (GPRS); Interworking between the Public	
			<i>remarks - this release:</i>	Land Mobile Network (PLMN) supporting GPRS and Packet".	

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<b>TS 29.078</b>	<b>customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification</b>				
Rel-6	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> N2 / -	<i>rapporteur:</i> NOLDUS, Rogier	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> JURISIC, Andrijana		
	<i>history (event, available, version, comments):</i>				
	NP-22 2004-01-22 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4	
	NP-23 2004-03-29 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		

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<b>TS 29.108</b>	<b>Application of the Radio Access Network Application Part (RANAP) on the E-interface</b>				
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> VESELY, Alexander	SIEMENS AG	
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i> CALDENHOVEN, Juergen		
	<i>history (event, available, version, comments):</i>				
	RP-22 2004-01-13 6 . 0 . 0		<i>remarks - general:</i>	TSG#8:Appeared as v2.0.0 (RP-000258)	
		Technically identical to v5.3.0. Created as by product of update of M.1457 (even though this spec is not cited there).	<a href="#">get it</a>	<i>remarks - this release:</i>	

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<b>TS 29.109</b>	<b>Bootstrapping and subscriber certificates; Diameter protocols; Stage 3</b>								
Rel-6	current version: 0.2.0	DRAFT	WG (prime / other): N4 / -	rapporteur: LAITINEN, Lauri	NOKIA Corporation				
	freeze_meeting:		G: yes U: yes	MCC: KYMALAINEN, Kimmo					
	history (event, available, version, comments):								
	draft	0 . 0 . 0	2003-10			remarks - general:	WI = SEC1-SC (UID 14504)		
	N4-21	0 . 1 . 0				remarks - this release:	.		
	N4-22 2004-04-01	0 . 2 . 0						<a href="#">get it</a>	
<hr/>									
<b>TS 29.161</b>	<b>Interworking between the Public Land Mobile Network (PLMN) supporting packet based services with Wireless Local Area Network WLAN Access and packet data networks</b>								
Rel-6	current version: 0.2.0	DRAFT	WG (prime / other): N3 /	rapporteur: RÄSÄNEN, Juha	NOKIA Corporation				
	freeze_meeting:		G: U: yes	MCC: BOSWARTHICK, David					
	history (event, available, version, comments):								
	N3-31 2004-02-23	0 . 0 . 1	N3-040108 but several subsequent drafts with same version number exist			remarks - general:	WI UID = 14013.		
	N3-31b 2004-04-01	0 . 1 . 0	History box not updated since v0.0.1			remarks - this release:	.	<a href="#">get it</a>	
	N3-32 2004-05-18	0 . 2 . 0						<a href="#">get it</a>	
<hr/>									
<b>TS 29.162</b>	<b>Interworking between the IM CN subsystem and IP networks</b>								
Rel-6	current version: none		WG (prime / other): N3 /	rapporteur: HOLLAND, Nigel	mmO2 plc				
	freeze_meeting:		G: yes U: yes	MCC: BOSWARTHICK, David					
	history (event, available, version, comments):								
						remarks - general:			
						remarks - this release:	Work item moved to Rel-6.		

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<b>TS 29.163</b>	<b>Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks</b>					
Rel-6	current version: 6.2.0	WG (prime / other):	N3 /	rapporteur:	BELLING, Thomas	SIEMENS AG
	freeze_meeting:	G: yes	U: yes	MCC:	BOSWARTHICK, David	
	history (event, available, version, comments):					
	N3-25	2003-01-20	1 . 4 . 1	<a href="#">get it</a>	remarks - general:	
	NP-19	2003-03-06	1 . 5 . 0	<a href="#">get it</a>	remarks - this release:	NP-16: For earlier versions: see Rel-5. NP-19: anticipated to come under change control at NP-21.
	draft	2003-03-24	1 . 5 . 1	<a href="#">get it</a>		
	N3-28		1 . 6 . 0			
	NP-20	2003-06-17	1 . 7 . 0	<a href="#">get it</a>		
	N3-29	2003-09-09	1 . 8 . 0	<a href="#">get it</a>		distributed 2003-09-08 as a "draft" v1.8.0; the held version is the "official" v1.8.0.
	pre NP-21	2003-09-13	1 . 9 . 0	<a href="#">get it</a>		
	NP-21	2003-09-29	2 . 0 . 0	<a href="#">get it</a>		NP-030326
	NP-21	2003-10-01	6 . 0 . 0	<a href="#">get it</a>		
	NP-22	2004-01-26	6 . 1 . 0	<a href="#">get it</a>		Late delivery due to difficulty of interpretation of conflicting CRs
	NP-23	2004-03-22	6 . 2 . 0	<a href="#">get it</a>		
<hr/>						
<b>TS 29.198-01</b>	<b>Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview</b>					
Rel-6	current version: 6.0.1	WG (prime / other):	N5 /	rapporteur:	ABARCA, Chelo	ALCATEL S.A.
	freeze_meeting:	G:	U: yes	MCC:	ZOICAS, Adrian	
	history (event, available, version, comments):					
	NP-22	2004-02-12	6 . 0 . 0	<a href="#">get it</a>	remarks - general:	Late delivery (anticipated late 2004-02) due to dependencies external to MCC on programme code attachments (Java, CORBA).
	NP-22	2004-02-18	6 . 0 . 1	<a href="#">get it</a>	remarks - this release:	J2EE code supplied
<hr/>						
<b>TS 29.198-02</b>	<b>Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data</b>					
Rel-6	current version: 6.0.1	WG (prime / other):	N5 /	rapporteur:	ABARCA, Chelo	ALCATEL S.A.
	freeze_meeting:	G:	U: yes	MCC:	ZOICAS, Adrian	
	history (event, available, version, comments):					
	NP-22	2004-02-12	6 . 0 . 0	<a href="#">get it</a>	remarks - general:	Late delivery (anticipated late 2004-02) due to dependencies external to MCC on programme code attachments (Java, CORBA).
	NP-22	2004-02-18	6 . 0 . 1	<a href="#">get it</a>	remarks - this release:	J2EE code supplied

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## TS 29.198-03 Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework

Rel-6 *current version:* 6.0.1 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* G: U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-22	2004-02-12	6	.	0	.	0	Late delivery (anticipated late 2004-02) due to dependencies external to MCC on programme code attachments (Java, CORBA). <a href="#">get it</a> <i>remarks - general:</i>	<i>remarks - this release:</i> .
NP-22	2004-02-18	6	.	0	.	1	J2EE code supplied <a href="#">get it</a>	

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## TS 29.198-04-1 Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Common call control data definitions

Rel-6 *current version:* 6.1.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* G: U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-20	2003-06-27	6	.	0	.	0		<a href="#">get it</a> <i>remarks - general:</i>
NP-22	2004-02-12	6	.	1	.	0	Late delivery (anticipated late 2004-02) due to dependencies external to MCC on programme code attachments (Java, CORBA). <a href="#">get it</a> <i>remarks - this release:</i> .	

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## TS 29.198-04-2 Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control data Service Capability Feature (SCF)

Rel-6 *current version:* 6.0.1 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* G: U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-22	2004-02-12	6	.	0	.	0	Late delivery (anticipated late 2004-02) due to dependencies external to MCC on programme code attachments (Java, CORBA). <a href="#">get it</a> <i>remarks - general:</i>	<i>remarks - this release:</i> .
NP-22	2004-02-18	6	.	0	.	1	J2EE code supplied <a href="#">get it</a>	

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## TS 29.198-04-3 Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data Service Capability Feature (SCF)

Rel-6 *current version:* 6.1.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* G: U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-20	2003-06-27	6	.	0	.	0		<a href="#">get it</a> <i>remarks - general:</i>
NP-22	2004-02-12	6	.	1	.	0	Late delivery (anticipated late 2004-02) due to dependencies external to MCC on programme code attachments (Java, CORBA). <a href="#">get it</a> <i>remarks - this release:</i> .	

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## TS 29.198-04-4 Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)

Rel-6 *current version:* 6.1.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* G: U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-20	2003-06-27	6	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
NP-22	2004-02-12	6	.	1	.	0	Late delivery (anticipated late 2004-02) due to dependencies external to MCC on programme code attachments (Java, CORBA).	<a href="#">get it</a>	<i>remarks - this release:</i> .

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## TS 29.198-05 Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction

Rel-6 *current version:* 6.0.1 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* G: U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-22	2004-02-12	6	.	0	.	0	Late delivery (anticipated late 2004-02) due to dependencies external to MCC on programme code attachments (Java, CORBA).	<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
NP-22	2004-02-18	6	.	0	.	1	J2EE code supplied	<a href="#">get it</a>	

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## TS 29.198-06 Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility

Rel-6 *current version:* 6.1.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* G: U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-20	2003-06-27	6	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
NP-22	2004-02-12	6	.	1	.	0	Late delivery (anticipated late 2004-02) due to dependencies external to MCC on programme code attachments (Java, CORBA).	<a href="#">get it</a>	<i>remarks - this release:</i> .

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## TS 29.198-07 Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities

Rel-6 *current version:* 6.0.1 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* G: U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-22	2004-02-12	6	.	0	.	0	Late delivery (anticipated late 2004-02) due to dependencies external to MCC on programme code attachments (Java, CORBA).	<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
NP-22	2004-02-18	6	.	0	.	1	J2EE code supplied	<a href="#">get it</a>	

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<b>TS 29.198-08</b>	<b>Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control</b>					
Rel-6	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> N5 /	<i>rapporteur:</i> ABARCA, Chelo	ALCATEL S.A.		
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i> ZOICAS, Adrian			
<i>history (event, available, version, comments):</i>						
	NP-22	2004-02-12	6 . 0 . 0	Late delivery (anticipated late 2004-02) due to dependencies external to MCC on programme code attachments (Java, CORBA).	<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
	NP-22	2004-02-18	6 . 0 . 1	J2EE code supplied	<a href="#">get it</a>	
<hr/>						
<b>TS 29.198-11</b>	<b>Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management</b>					
Rel-6	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> N5 /	<i>rapporteur:</i> ABARCA, Chelo	ALCATEL S.A.		
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i> ZOICAS, Adrian			
<i>history (event, available, version, comments):</i>						
	NP-22	2004-02-12	6 . 0 . 0	Late delivery (anticipated late 2004-02) due to dependencies external to MCC on programme code attachments (Java, CORBA).	<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
	NP-22	2004-02-18	6 . 0 . 1	J2EE code supplied	<a href="#">get it</a>	
<hr/>						
<b>TS 29.198-12</b>	<b>Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging</b>					
Rel-6	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> N5 /	<i>rapporteur:</i> ABARCA, Chelo	ALCATEL S.A.		
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i> ZOICAS, Adrian			
<i>history (event, available, version, comments):</i>						
	NP-22	2004-02-12	6 . 0 . 0	Late delivery (anticipated late 2004-02) due to dependencies external to MCC on programme code attachments (Java, CORBA).	<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
	NP-22	2004-02-18	6 . 0 . 1	J2EE code supplied	<a href="#">get it</a>	
<hr/>						
<b>TS 29.198-13</b>	<b>Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management SCF</b>					
Rel-6	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> N5 /	<i>rapporteur:</i> ABARCA, Chelo	ALCATEL S.A.		
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i> ZOICAS, Adrian			
<i>history (event, available, version, comments):</i>						
	NP-20	2003-06-27	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>
	NP-22	2004-02-12	6 . 1 . 0	Late delivery (anticipated late 2004-02) due to dependencies external to MCC on programme code attachments (Java, CORBA).	<a href="#">get it</a>	<i>remarks - this release:</i> .

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<b>TS 29.198-14</b>	<b>Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)</b>					
Rel-6	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> N5 /	<i>rapporteur:</i> ABARCA, Chelo	ALCATEL S.A.		
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i> ZOICAS, Adrian			
<i>history (event, available, version, comments):</i>						
	NP-22	2004-02-12	6 . 0 . 0	Late delivery (anticipated late 2004-02) due to dependencies external to MCC on programme code attachments (Java, CORBA).	<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
	NP-22	2004-02-18	6 . 0 . 1	J2EE code supplied	<a href="#">get it</a>	
<hr/>						
<b>TS 29.199-1</b>	<b>Open Service Access (OSA); Parlay X web services; Part 1: Overview and common data definitions</b>					
Rel-6	<i>current version:</i> none	<i>WG (prime / other):</i> N5 / -	<i>rapporteur:</i> VAN RIJSSEN, Erwin	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i> ZOICAS, Adrian			
<i>history (event, available, version, comments):</i>						
<i>remarks - general:</i> <i>remarks - this release:</i> .						
<hr/>						
<b>TS 29.199-2</b>	<b>Open Service Access (OSA); Parlay X web services; Part 2: Third party call</b>					
Rel-6	<i>current version:</i> none	<i>WG (prime / other):</i> N5 / -	<i>rapporteur:</i> VAN RIJSSEN, Erwin	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i> ZOICAS, Adrian			
<i>history (event, available, version, comments):</i>						
<i>remarks - general:</i> <i>remarks - this release:</i> .						
<hr/>						
<b>TS 29.199-3</b>	<b>Open Service Access (OSA); Parlay X web services; Part 3: Network-initiated third party call</b>					
Rel-6	<i>current version:</i> none	<i>WG (prime / other):</i> N5 / -	<i>rapporteur:</i> VAN RIJSSEN, Erwin	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i> ZOICAS, Adrian			
<i>history (event, available, version, comments):</i>						
<i>remarks - general:</i> <i>remarks - this release:</i> .						
<hr/>						
<b>TS 29.199-4</b>	<b>Open Service Access (OSA); Parlay X web services; Part 4: Short Message Service (SMS)</b>					
Rel-6	<i>current version:</i> none	<i>WG (prime / other):</i> N5 / -	<i>rapporteur:</i> VAN RIJSSEN, Erwin	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i> ZOICAS, Adrian			
<i>history (event, available, version, comments):</i>						
<i>remarks - general:</i> <i>remarks - this release:</i> .						

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<b>TS 29.199-5</b>	<b>Open Service Access (OSA); Parlay X web services; Part 5: Multimedia Message Service (MMS)</b>					
Rel-6	current version: none	WG (prime / other):	N5 / -	rapporteur:	VAN RIJSSEN, Erwin	Telefon AB LM Ericsson
	freeze_meeting:	G:	U: yes	MCC:	ZOICAS, Adrian	
	history (event, available, version, comments):					
				remarks - general:		
				remarks - this release:		

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<b>TS 29.199-6</b>	<b>Open Service Access (OSA); Parlay X web services; Part 6: Payment</b>					
Rel-6	current version: none	WG (prime / other):	N5 / -	rapporteur:	VAN RIJSSEN, Erwin	Telefon AB LM Ericsson
	freeze_meeting:	G:	U: yes	MCC:	ZOICAS, Adrian	
	history (event, available, version, comments):					
				remarks - general:		
				remarks - this release:		

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<b>TS 29.199-7</b>	<b>Open Service Access (OSA); Parlay X web services; Part 7: Account management</b>					
Rel-6	current version: none	WG (prime / other):	N5 / -	rapporteur:	VAN RIJSSEN, Erwin	Telefon AB LM Ericsson
	freeze_meeting:	G:	U: yes	MCC:	ZOICAS, Adrian	
	history (event, available, version, comments):					
				remarks - general:		
				remarks - this release:		

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<b>TS 29.199-8</b>	<b>Open Service Access (OSA); Parlay X web services; Part 8: User status</b>					
Rel-6	current version: none	WG (prime / other):	N5 / -	rapporteur:	VAN RIJSSEN, Erwin	Telefon AB LM Ericsson
	freeze_meeting:	G:	U: yes	MCC:	ZOICAS, Adrian	
	history (event, available, version, comments):					
				remarks - general:		
				remarks - this release:		

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<b>TS 29.199-9</b>	<b>Open Service Access (OSA); Parlay X web services; Part 9: Terminal location</b>					
Rel-6	current version: none	WG (prime / other):	N5 / -	rapporteur:	VAN RIJSSEN, Erwin	Telefon AB LM Ericsson
	freeze_meeting:	G:	U: yes	MCC:	ZOICAS, Adrian	
	history (event, available, version, comments):					
				remarks - general:		
				remarks - this release:		

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<b>TS 29.200</b>	<b>Signalling System No. 7; Mobile Application Part (MAP); Security signalling flows for the Ze interface</b>								
Rel-6	<i>current version:</i> none			<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> JANSSON, Jari	NOKIA Corporation			
	<i>freeze_meeting:</i>			G: U: yes	MCC: KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>							<i>remarks - general:</i> Work item description in N4-021258.	
								<i>remarks - this release:</i> .	
<hr/>									
<b>TS 29.209</b>	<b>Policy control over Gq interface</b>								
Rel-6	<i>current version:</i> 1.0.0	DRAFT		<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> N, A	Indicate persons who left Company and wait for new One			
	<i>freeze_meeting:</i>			G: U: yes	MCC: BOSWARTHICK, David				
	<i>history (event, available, version, comments):</i>								
	N3-29	2003-09-01	0 . 0 . 1		<a href="#">get it</a>	<i>remarks - general:</i>			
	N3-31	2004-03-22	0 . 0 . 2	N3-040135	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	N3-31b	2004-04-27	0 . 1 . 0	N3-040250	<a href="#">get it</a>				
	N3-32	2004-05-25	1 . 0 . 0		<a href="#">get it</a>				
<hr/>									
<b>TS 29.210</b>	<b>Charging rule provisioning over Gx interface</b>								
Rel-6	<i>current version:</i> none			<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> RÄSÄNEN, Juha	NOKIA Corporation			
	<i>freeze_meeting:</i>			G: U: yes	MCC: BOSWARTHICK, David				
	<i>history (event, available, version, comments):</i>							<i>remarks - general:</i> WI URL = 35017	
								<i>remarks - this release:</i> .	
<hr/>									
<b>TS 29.228</b>	<b>IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents</b>								
Rel-6	<i>current version:</i> 6.2.0			<i>WG (prime / other):</i> N4 /	<i>rapporteur:</i> PALLARES LÓPEZ, Miguel Angel	Telefon AB LM Ericsson			
	<i>freeze_meeting:</i>			G: yes U: yes	MCC: KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>							<i>remarks - general:</i> Additional rapporteur: Miguel-Angel Pallares-Lopez	
	NP-21	2003-10-09	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .			
	NP-22	2004-01-12	6 . 1 . 0		<a href="#">get it</a>				
	NP-23	2004-03-24	6 . 2 . 0		<a href="#">get it</a>				

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<b>TS 29.229</b>	<b>Cx and Dx interfaces based on the Diameter protocol; Protocol details</b>					
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PALLARES LÓPEZ, Miguel Angel	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i> 2nd rapporteur: CZOMA, Balazs.		
	NP-23 2004-03-24 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .		
<hr/>						
<b>TS 29.230</b>	<b>Diameter applications; 3GPP specific codes and identifiers</b>					
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> N4 /	<i>rapporteur:</i> TAMMI, Kalle	NOKIA Corporation	
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i> WI UID = 14014		
				<i>remarks - this release:</i> .		
<hr/>						
<b>TS 29.234</b>	<b>3GPP system to Wireless Local Area Network (WLAN) interworking; Stage 3</b>					
Rel-6	<i>current version:</i> 1.4.0	DRAFT	<i>WG (prime / other):</i> N4 / N2	<i>rapporteur:</i> RODRIGUEZ, Raquel	NOKIA Corporation	
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i> Work Item = "WLAN Interworking – stage 3 definition of WLAN – 3GPP interworking",		
	draft	0 . 2 . 0		<i>remarks - this release:</i> . see N4-030221 (né N4-030157)		
	NP-21 2003-09-29 1 . 0 . 0	NP-030400	<a href="#">get it</a>			
	N4-21 2004-01-12 1 . 1 . 0		<a href="#">get it</a>			
	N4-22 2004-03-22 1 . 2 . 0		<a href="#">get it</a>			
	post N4-22 2004-04-01 1 . 2 . 1	this version not shown in change history	<a href="#">get it</a>			
	N4-22b	1 . 3 . 0				
	N4-22b	1 . 3 . 1				Incorptrate Tdoc N4-040475
	post N4-22b 2004-04-27 1 . 3 . 2	Editorial corrections based by 3GPP TS 21.801	<a href="#">get it</a>			
	N1-34 2004-05-25 1 . 4 . 0		<a href="#">get it</a>			
<hr/>						
<b>TS 29.240</b>	<b>Generic User Profile (GUP); Stage 3; Network</b>					
Rel-6	<i>current version:</i> 0.3.0	DRAFT	<i>WG (prime / other):</i> N4 /	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB	
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i> Cf work item 'Generic user profile' - may be renumbered to 27.241		
	draft	0 . 0 . 0		<i>remarks - this release:</i> 2003-03-05: Delayed from Rel-5.		
	N4-20 2003-10-08 0 . 1 . 0		<a href="#">get it</a>			
	N4-22 2004-04-01 0 . 2 . 0		<a href="#">get it</a>			
	N4-22b 2004-04-27 0 . 3 . 0	N4-040492	<a href="#">get it</a>			

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<b>TS 29.328</b>	<b>IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents</b>								
Rel-6	current version: 6.1.0		WG (prime / other): N4 / -	rapporteur: BERRY, Nigel. H	Lucent Technologies Network Systems UK				
	freeze_meeting:		G: yes U: yes	MCC: KYMALAINEN, Kimmo					
	history (event, available, version, comments):								
	NP-22	2004-01-12	6 . 0 . 0	<a href="#">get it</a>	remarks - general:	NP-21: Title changed to include Dh interface as well as Sh.			
	NP-23	2004-03-24	6 . 1 . 0	<a href="#">get it</a>	remarks - this release:	.			

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<b>TS 29.329</b>	<b>Sh interface based on the Diameter protocol</b>								
Rel-6	current version: 6.0.0		WG (prime / other): N4 / -	rapporteur: BERRY, Nigel. H	Lucent Technologies Network Systems UK				
	freeze_meeting:		G: yes U: yes	MCC: KYMALAINEN, Kimmo					
	history (event, available, version, comments):								
	NP-23	2004-03-24	6 . 0 . 0	<a href="#">get it</a>	remarks - general:				
					remarks - this release:	.			

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<b>TS 29.332</b>	<b>Media Gateway Control Function (MGCF) - IM Media Gateway (IM-MGW) Mc interface; Stage 3</b>								
Rel-6	current version: 1.0.0	DRAFT	WG (prime / other): N4 / -	rapporteur: SCHMITT, Peter	SIEMENS AG				
	freeze_meeting:		G: U: yes	MCC: KYMALAINEN, Kimmo					
	history (event, available, version, comments):								
	draft		0 . 0 . 0		2002-09	remarks - general:	2002-05-30: Created in response to proposed new WI in N4-020773.		
	N4-16		0 . 0 . 1			remarks - this release:	Anticipated change control at NP-22.		
	N4-17		0 . 1 . 0						
	N4-18		0 . 2 . 0						
	N4-19		0 . 3 . 0						
	N4-22	2004-04-01	0 . 4 . 0	<a href="#">get it</a>					
	NP-24		1 . 0 . 0						

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<b>TS 29.333</b>	<b>Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface; Stage 3</b>								
Rel-6	current version: none		WG (prime / other): N4 /	rapporteur: SANDERS, David	VODAFONE Group Plc				
	freeze_meeting:		G: U: yes	MCC: KYMALAINEN, Kimmo					
	history (event, available, version, comments):								
						remarks - general:			
						remarks - this release:	.		

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## TR 29.846 Multimedia Broadcast/Multicast Service (MBMS); CN1 procedure description

Rel-6 *current version:* 1.4.0 DRAFT *WG (prime / other):* N1 / *rapporteur:* HERRERO, Christian Telefon AB LM Ericsson  
*freeze\_meeting:* G: yes U: yes *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*

draft		0 . 0 . 1	
N3-27		0 . 1 . 0	N1-0300277
draft	2003-06-24	0 . 2 . 0	
N1-32	2003-11-12	0 . 3 . 0	
post N1-32	2003-11-14	0 . 3 . 1	
NP-22	2004-01-05	1 . 0 . 0	NP-030489
N1-32b		1 . 1 . 0	
N1-33	2004-03-01	1 . 2 . 0	
N1-33b	2004-04-27	1 . 3 . 0	
past N1-33b	2004-04-28	1 . 3 . 1	
N4-34	2004-05-28	1 . 4 . 0	

*remarks - general:*

*remarks - this release:* .

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## TR 29.847 Conferencing based on SIP, SDP, and other protocols; Functional models, information flows and protocol details

Rel-6 *current version:* 2.0.1 DRAFT *WG (prime / other):* N1 / - *rapporteur:* MAYER, Georg NOKIA Corporation  
*freeze\_meeting:* G: U: yes *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*

draft		0 . 0 . 0	
N1-29	2003-05-06	0 . 1 . 0	
N1-30	2003-06-02	0 . 2 . 0	N1-031121
N1-31	2003-09-01	0 . 3 . 0	
NP-21	2003-09-11	1 . 0 . 0	NP-030425
N1-31	2004-01-03	1 . 1 . 0	
N1-32b	2004-02-02	1 . 2 . 0	
N1-33	2004-02-23	1 . 3 . 0	
N1-33b	2004-04-05	1 . 4 . 0	
N1.34	2004-05-18	2 . 0 . 0	N1.34
post N1.34 editos	2004-05-25	2 . 0 . 1	

*remarks - general:*

*remarks - this release:* .

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## TR 29.962 Signalling interworking between the 3GPP profile of the Session Initiation Protocol (SIP) and non-3GPP SIP usage

Rel-6 *current version:* 6.1.0 *WG (prime / other):* N3 / - *rapporteur:* BELLING, Thomas SIEMENS AG  
*freeze\_meeting:* G: U: yes *MCC:* BOSWARTHICK, David

*history (event, available, version, comments):*

NP-18	2003-01-06	1	.	0	.	0	NP-020610	<a href="#">get it</a>	<i>remarks - general:</i>
NP-19	2003-03-06	1	.	1	.	0	NP-030073. Will be reviewed N1-28, N3-27.	<a href="#">get it</a>	<i>remarks - this release:</i> .
N3-29		1	.	2	.	0			
NP-20	2003-06-17	2	.	0	.	0	NP-030197 -> NP-030293	<a href="#">get it</a>	
NP-20	2003-06-23	6	.	0	.	0		<a href="#">get it</a>	
NP-21	2003-10-01	6	.	1	.	0		<a href="#">get it</a>	

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## TR 29.994 Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults

Rel-6 *current version:* none *WG (prime / other):* N1 / RP *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* G: yes U: yes *MCC:* Skov JORGENSEN, Per Johan

*history (event, available, version, comments):*

*remarks - general:* 2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest  
*remarks - this release:* . Release version.

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## TR 29.998-04-4 Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 4: Multiparty Call Control ISC

Rel-6 *current version:* 6.0.2 *WG (prime / other):* N5 / - *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* G: U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-22	2004-01-15	6	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i> Evidence for existence unearthed in N5-020143.
edito post	NP-23	2004-03-29	6	.	0	.	1	updates IETF references	<a href="#">get it</a> <i>remarks - this release:</i> .
edito		2004-04-27	6	.	0	.	2	Updated reference to use RFC number.	<a href="#">get it</a>

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**TR 30.531 Work Plan and Study Items - RAN WG3**  
Rel-6 *current version:* 0.11.0 DRAFT *WG (prime / other):* R3 / - *rapporteur:* KRAUSE, Joern SIEMENS AG  
*freeze\_meeting:* G: U: yes *MCC:* CALDENHOVEN, Juergen  
*history (event, available, version, comments):*  
draft 2001-11-23 0 . 9 . 3 Inherited from R99. [get it](#) *remarks - general:*  
R3-37 2003-10-13 0 . 11 . 0 R3-030923 [get it](#) *remarks - this release:* Continues work started in R99 document.

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Rel-6 **31** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/31\\_series](http://www.3gpp.org/ftp/Specs/archive/31_series)

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**TS 31.101 UICC-terminal interface; Physical and logical characteristics**  
Rel-6 *current version:* 6.2.0 *WG (prime / other):* T3 / SCP *rapporteur:* VESTERGAARD, Peter NOKIA UK Ltd  
*freeze\_meeting:* G: U: yes *MCC:* JURISIC, Andrijana  
*history (event, available, version, comments):*  
TP-17 2002-09-18 6 . 0 . 0 [get it](#) *remarks - general:* Contents is a reference to ETSI TR 102 221.  
TP-18 2003-01-02 6 . 1 . 0 [get it](#) *remarks - this release:* TP-17: upgraded to Rel-6 as there are 3G specific platform requirements that are currently not defined by the respective EP SCP specification TS 102 221.  
TP-20 2003-06-23 6 . 2 . 0 [get it](#)

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**TS 31.102 Characteristics of the USIM application**  
Rel-6 *current version:* 6.5.0 *WG (prime / other):* T3 / - *rapporteur:* RUBON, Jean-Francois GEMPLUS S.A.  
*freeze\_meeting:* G: U: yes *MCC:* JURISIC, Andrijana  
*history (event, available, version, comments):*  
TP-18 2003-01-02 6 . 0 . 0 [get it](#) *remarks - general:*  
TP-19 2003-04-01 6 . 1 . 0 [get it](#) *remarks - this release:* .  
TP-20 2003-06-23 6 . 2 . 0 [get it](#)  
TP-21 2003-09-30 6 . 3 . 0 [get it](#)  
TP-22 2004-01-12 6 . 4 . 0 [get it](#)  
TP-23 2004-03-25 6 . 5 . 0 [get it](#)

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<b>TS 31.103</b>	<b>Characteristics of the IP Multimedia Services Identity Module (ISIM) application</b>								
Rel-6	<i>current version:</i> 6.3.0	<i>WG (prime / other):</i>	T3 /	<i>rapporteur:</i>	RUBON, Jean-Francois	GEMPLUS S.A.			
	<i>freeze_meeting:</i>	G: yes	U: yes	<i>MCC:</i>	JURISIC, Andrijana				
	<i>history (event, available, version, comments):</i>								
	TP-18 2003-01-02	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	2004-05-07:additional	<i>rapporteur:</i>	Peter Vestergaad.	
	TP-19 2003-03-26	6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	.			
	TP-20 2003-06-23	6 . 2 . 0		<a href="#">get it</a>					
	TP-23 2004-03-26	6 . 3 . 0		<a href="#">get it</a>					

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<b>TS 31.111</b>	<b>Universal Subscriber Identity Module Application Toolkit (USAT)</b>								
Rel-6	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i>	T3 / -	<i>rapporteur:</i>	WOODSEND, Kristian	Indicate persons who left Company and wait for new One			
	<i>freeze_meeting:</i>	G: yes	U: yes	<i>MCC:</i>	JURISIC, Andrijana				
	<i>history (event, available, version, comments):</i>								
	TP-22 2004-01-12	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.			
	TP-23 2004-03-25	6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	.			

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<b>TS 31.113</b>	<b>Universal Subscriber Identity Module Application Toolkit (USAT) interpreter byte codes</b>								
Rel-6	<i>current version:</i> 6.2.0	<i>WG (prime / other):</i>	T3 /	<i>rapporteur:</i>	N, A	Indicate persons who left Company and wait for new One			
	<i>freeze_meeting:</i>	G:	U: yes	<i>MCC:</i>	JURISIC, Andrijana				
	<i>history (event, available, version, comments):</i>								
	TP-16 2002-06-19	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	TP-17 2002-09-25	6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	.			
	TP-19 2003-03-26	6 . 2 . 0		<a href="#">get it</a>					

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<b>TS 31.114</b>	<b>Universal Subscriber Identity Module Application Toolkit (USAT) interpreter protocol and administration</b>								
Rel-6	<i>current version:</i> none	<i>WG (prime / other):</i>	T3 /	<i>rapporteur:</i>	MEYER, Michael	GIESECKE & DEVRIENT GmbH			
	<i>freeze_meeting:</i>	G:	U: yes	<i>MCC:</i>	JURISIC, Andrijana				
	<i>history (event, available, version, comments):</i>								
					<i>remarks - general:</i>				
					<i>remarks - this release:</i>	TP-15: Enhancements to Rel-5 envisaged.			

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<b>TS 31.115</b>	<b>Secured packet structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications</b>								
Rel-6	<i>current version:</i> 6.3.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> VIALLET, Sophie	Indicate persons who left Company and wait for new One					
	<i>freeze_meeting:</i>	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i>	JURISIC, Andrijana				
	<i>history (event, available, version, comments):</i>								
	TP-16 2002-06-26	2 . 0 . 0	TP-020126	<a href="#">get it</a>	<i>remarks - general:</i> additional rapporteur: Florence Martin.				
	TP-16 2002-06-19	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> SP-15: Creation justified by SP-020172 slide 13. TP-16: has evidently migrated to Rel-6.				
	TP-17 2002-09-23	6 . 1 . 0		<a href="#">get it</a>					
	TP-18 2003-01-02	6 . 2 . 0		<a href="#">get it</a>					
	TP-22 2004-01-12	6 . 3 . 0		<a href="#">get it</a>					

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<b>TS 31.116</b>	<b>Remote APDU Structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications</b>								
Rel-6	<i>current version:</i> 6.4.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> VIALLET, Sophie	Indicate persons who left Company and wait for new One					
	<i>freeze_meeting:</i>	<i>G:</i> yes	<i>U:</i> yes	<i>MCC:</i>	JURISIC, Andrijana				
	<i>history (event, available, version, comments):</i>								
	TP-16 2002-06-26	2 . 0 . 0	TP-020127	<a href="#">get it</a>	<i>remarks - general:</i> additional rapporteur: Florence Martin				
	TP-16 2002-06-19	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> SP-15: Creation justified by SP-020172 slide 13. TP-16: offered for approval as Rel-6, so scrap Rel-5.				
	TP-17 2002-09-23	6 . 1 . 0		<a href="#">get it</a>					
	TP-18 2003-01-02	6 . 2 . 0		<a href="#">get it</a>					
	TP-19 2003-03-26	6 . 3 . 0		<a href="#">get it</a>					
	TP-23 2004-03-25	6 . 4 . 0		<a href="#">get it</a>					

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<b>TS 31.130</b>	<b>(U)SIM Application Programming Interface API; (U)SIM API for Java Card(TM)</b>								
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> JOLIVET, Paul	DoCoMo Europe S.A.					
	<i>freeze_meeting:</i>	<i>G:</i> yes	<i>U:</i> yes	<i>MCC:</i>	JURISIC, Andrijana				
	<i>history (event, available, version, comments):</i>								
	TP-20 2003-06-17	1 . 0 . 0	TP-030127	<a href="#">get it</a>	<i>remarks - general:</i>				
	TP-23 2004-04-07	2 . 0 . 0	TP-040030	<a href="#">get it</a>	<i>remarks - this release:</i> TP-20: Target for approval: TP-21.				
	TP-23 2004-03-25	6 . 0 . 0		<a href="#">get it</a>					

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<b>TS 31.131</b>	<b>C-language binding for (Universal) Subscriber Identity Module ((U)SIM) API</b>								
Rel-6	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> T3 /	<i>rapporteur:</i> JURISIC, Andrijana	VIPnet d.o.o					
	<i>freeze_meeting:</i>	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i>	JURISIC, Andrijana				
	<i>history (event, available, version, comments):</i>								
	TP-17 2002-09-24	2 . 0 . 0	TP-020219	<a href="#">get it</a>	<i>remarks - general:</i> Test spec is 34.131.				
	TP-17 2002-09-27	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .				
	TP-19 2003-03-26	6 . 1 . 0		<a href="#">get it</a>					

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<b>TR 31.919</b>	<b>2G/3G Java Card(TM) Application Programming Interface (API) based applet interworking</b>						
Rel-6	current version: 6.0.0	WG (prime / other): T3 / -	rapporteur: ANDRAU, Stéphane	OBERTHUR CARD SYSTEMS S.A.			
	freeze_meeting:	G: yes U: yes	MCC: JURISIC, Andrijana				
	history (event, available, version, comments):						
	draft	0 . 1 . 0			remarks - general:	WI UID = 43005.	
	draft	0 . 2 . 0			remarks - this release:	.	
	T3-27	0 . 3 . 0					
	TP-20 2003-06-17	1 . 0 . 0	TP-030128	<a href="#">get it</a>			
	draft	1 . 1 . 0					
	T3-28	1 . 1 . 1					
	draft	1 . 1 . 2					
	draft	1 . 2 . 0					
	draft	1 . 3 . 0					
	draft	1 . 3 . 1					
	TP-23 2004-03-22	1 . 3 . 2	ex T3-30 -> TP-040031	<a href="#">get it</a>			
	TP-23 2004-03-25	6 . 0 . 0		<a href="#">get it</a>			

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<b>TS 32.102</b>	<b>Telecommunication management; Architecture</b>						
Rel-6	current version: 6.2.0	WG (prime / other): S5 / -	rapporteur: BERGGREN, Tommy	TeliaSonera AB			
	freeze_meeting:	G: U: yes	MCC: ZOICAS, Adrian				
	history (event, available, version, comments):						
	SP-21 2003-10-03	6 . 0 . 0		<a href="#">get it</a>	remarks - general:		
	SP-22 2004-01-05	6 . 1 . 0		<a href="#">get it</a>	remarks - this release:	.	
	SP-23 2004-03-23	6 . 2 . 0		<a href="#">get it</a>			

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<b>TS 32.111-1</b>	<b>Telecommunication management; Fault Management; Part 1: 3G fault management requirements</b>						
Rel-6	current version: 6.0.0	WG (prime / other): S5 / -	rapporteur: SCHMIDT, Joerg	MOTOROLA A/S			
	freeze_meeting:	G: yes U: yes	MCC: ZOICAS, Adrian				
	history (event, available, version, comments):						
	SP-22 2004-01-13	6 . 0 . 0		<a href="#">get it</a>	remarks - general:	TSG#8: split into 4 parts	
					remarks - this release:	.	

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<b>TS 32.111-2</b>	<b>Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)</b>								
Rel-6	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> SCHMIDT, Joerg	MOTOROLA A/S					
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-22 2004-01-05	6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> TSG#8: split into 4 parts					
	post SP-22 edito 2004-01-13	6 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .					
	SP-23 2004-03-23	6 . 1 . 0	<a href="#">get it</a>						
<hr/>									
<b>TS 32.111-3</b>	<b>Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)</b>								
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TSE, Edwin	Ericsson Incorporated					
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-22 2004-01-05	6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> TSG#8: split into 4 parts					
				<i>remarks - this release:</i> .					
<hr/>									
<b>TS 32.111-4</b>	<b>Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)</b>								
Rel-6	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> POLLAKOWSKI, Olaf	SIEMENS AG					
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-22 2004-01-05	6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> TSG#8: split into 4 parts					
	post SP-22 edito 2004-01-13	6 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .					
	SP-23 2004-03-24	6 . 1 . 0	<a href="#">get it</a>						
<hr/>									
<b>TS 32.140</b>	<b>Telecommunication management; Subscription Management (SuM) requirements</b>								
Rel-6	<i>current version:</i> 6.2.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> ISLIP, John	Lucent Technologies Network Systems UK					
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-15 2002-03-19	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> 2004-03-29: S5 Project Manager: "services operations management" removed from title.					
	SP-18 2003-01-06	1 . 1 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> SP-15: moved from Rel-5.					
	SP-19	2 . 0 . 0							
	SP-19 2003-03-31	6 . 0 . 0	<a href="#">get it</a>						
	SP-21 2003-10-02	6 . 1 . 0	<a href="#">get it</a>						
	SP-23 2004-03-23	6 . 2 . 0	<a href="#">get it</a>						

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<b>TS 32.141</b>	<b>Telecommunication management; Subscription Management (SuM) architecture</b>								
Rel-6	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> ABA, Istvan	T-Mobile AUSTRIA GmbH					
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-19 2003-03-27	1 . 0 . 0	SP-030042	<a href="#">get it</a>	<i>remarks - general:</i>	2004-03-29: S5 Project Manager: "services operations management" removed from title.			
	SP-21 2003-09-29	2 . 0 . 0	SP-030405	<a href="#">get it</a>	<i>remarks - this release:</i>	.			
	SP-21 2003-10-03	6 . 0 . 0		<a href="#">get it</a>					
	SP-23 2004-03-23	6 . 1 . 0		<a href="#">get it</a>					

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<b>TS 32.150</b>	<b>Telecommunication management; Integration Reference Point (IRP) Concept and definitions</b>								
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S5 / T2	<i>rapporteur:</i> TRUSS, Michael	MOTOROLA Ltd					
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	S5-35b 2003-10-08	0 . 0 . 1	S5-032639	<a href="#">get it</a>	<i>remarks - general:</i>	Justification: see SP-020608. Stage 3: see 27.150. 2003-08-28: Title changed from			
	SP-22 2004-01-05	1 . 0 . 0	SP-030613	<a href="#">get it</a>	<i>remarks - this release:</i>	."Telecommunication management; User Equipment Management (UEM); UEM requirements and architecture; Stages 1 and 2". 2003-12-03: title changed from			
	SP-23 2004-03-22	2 . 0 . 0	SP-040113	<a href="#">get it</a>		"Telecommunication management; Integration Reference Point (IRP): Introduction and			
	SP-23 2004-03-22	6 . 0 . 0		<a href="#">get it</a>		definitions".			

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<b>TS 32.151</b>	<b>Telecommunication management; Integration Reference Point (IRP) Information Service (IS) template</b>								
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOVINGER, Thomas	Telefon AB LM Ericsson					
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-22 2004-01-05	1 . 0 . 0	SP-030614	<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-23 2004-03-22	2 . 0 . 0	SP-040114	<a href="#">get it</a>	<i>remarks - this release:</i>	.			
	SP-23 2004-03-22	6 . 0 . 0		<a href="#">get it</a>					

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<b>TS 32.152</b>	<b>Telecommunication management; Integration Reference Point (IRP) Information Service (IS) Unified Modelling Language (UML) repertoire</b>								
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> POLLAKOWSKI, Olaf	SIEMENS AG					
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-22 2004-01-05	1 . 0 . 0	SP-030615	<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-23 2004-03-22	2 . 0 . 0	SP-040115	<a href="#">get it</a>	<i>remarks - this release:</i>	.			
	SP-23 2004-03-22	6 . 0 . 0		<a href="#">get it</a>					

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<b>TS 32.171</b>	<b>Telecommunication management; Subscription Management (SuM) resources Integration Reference Point (IRP); Requirements</b>								
Rel-6	current version: 1.0.0	DRAFT	WG (prime / other): S5 / -	rapporteur: WIKBERG, Ove	Telefon AB LM Ericsson				
	freeze_meeting:		G: yes U: yes	MCC: ZOICAS, Adrian					
	history (event, available, version, comments):								
	draft	2003-08-22	0 . 1 . 0	<a href="#">get it</a>	remarks - general:	2004-03-29: S5 Project Manager: "service operations management" in title changed to			
	SP-22	2004-01-05	1 . 0 . 0	<a href="#">get it</a>	remarks - this release:	. "telecommunication management".			
<hr/>									
<b>TS 32.172</b>	<b>Telecommunication management; Subscription Management (SuM) resources Integration Reference Point (IRP); Network Resources Model (NRM)</b>								
Rel-6	current version: 1.0.0	DRAFT	WG (prime / other): S5 / -	rapporteur: WIKBERG, Ove	Telefon AB LM Ericsson				
	freeze_meeting:		G: yes U: yes	MCC: ZOICAS, Adrian					
	history (event, available, version, comments):								
	draft	2003-08-22	0 . 1 . 0	<a href="#">get it</a>	remarks - general:	2004-03-29: S5 Project Manager: "service operations management" in title changed to			
	draft	2003-09-30	0 . 2 . 0	<a href="#">get it</a>	remarks - this release:	. "telecommunication management".			
	SP-22	2004-01-05	1 . 0 . 0	<a href="#">get it</a>					
<hr/>									
<b>TS 32.240</b>	<b>Telecommunication management; Charging management; Charging architecture and principles</b>								
Rel-6	current version: 1.1.0	DRAFT	WG (prime / other): S5 / -	rapporteur: GOERMER, Gerald	SIEMENS AG				
	freeze_meeting:		G: U: yes	MCC: ZOICAS, Adrian					
	history (event, available, version, comments):								
	S5-34		0 . 1 . 0		remarks - general:				
	draft	2003-10-22	0 . 5 . 0	<a href="#">get it</a>	remarks - this release:	.			
	SP-22	2004-01-05	1 . 0 . 0	<a href="#">get it</a>					
	draft	2004-01-26	1 . 1 . 0	<a href="#">get it</a>					
<hr/>									
<b>TS 32.250</b>	<b>Telecommunication management; Charging management; Circuit Switched (CS) domain charging</b>								
Rel-6	current version: 6.0.0		WG (prime / other): S5 / -	rapporteur: NENNER, Karl-Heinz	T-MOBILE DEUTSCHLAND				
	freeze_meeting:		G: U: yes	MCC: ZOICAS, Adrian					
	history (event, available, version, comments):								
	SP-22	2004-01-05	1 . 0 . 0	<a href="#">get it</a>	remarks - general:				
	SP-23	2004-03-22	2 . 0 . 0	<a href="#">get it</a>	remarks - this release:	.			
	SP-23	2004-03-22	6 . 0 . 0	<a href="#">get it</a>					

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<b>TS 32.251</b>	<b>Telecommunication management; Charging management; Packet Switched (PS) domain charging</b>								
Rel-6	<i>current version:</i> 1.0.0	DRAFT	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> RICHARDS, Christopher	NORTEL NETWORKS (EUROPE)				
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> ZOICAS, Adrian					
	<i>history (event, available, version, comments):</i>								
	SP-21	2003-09-29	1 . 0 . 0	SP-030410	<a href="#">get it</a>	<i>remarks - general:</i> SP-21: WI = charging management for the bearer level			
						<i>remarks - this release:</i> 2003-07-10 (Zoicas): Release was unknown, now confirmed as Rel-6.			
<hr/>									
<b>TS 32.252</b>	<b>Telecommunication management; Charging management; Wireless Local Area Network (WLAN) charging</b>								
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> NENNER, Karl-Heinz	T-MOBILE DEUTSCHLAND				
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> ZOICAS, Adrian					
	<i>history (event, available, version, comments):</i>								
						<i>remarks - general:</i>			
						<i>remarks - this release:</i> .			
<hr/>									
<b>TS 32.260</b>	<b>Telecommunication management; Charging management; IP Multimedia Subsystem (IMS) charging</b>								
Rel-6	<i>current version:</i> 1.0.0	DRAFT	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TEPPO, Patrik	NANJING ERICSSON PANDA COMMUNICATIONS LTD				
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> ZOICAS, Adrian					
	<i>history (event, available, version, comments):</i>								
	draft		0 . 0 . 1			<i>remarks - general:</i>			
	draft	2003-10-22	0 . 1 . 0			<i>remarks - this release:</i> .			
	S5-36		0 . 2 . 0						
	draft		0 . 3 . 0						
	draft	2004-03-03	0 . 4 . 0						
	SP-23	2004-03-22	1 . 0 . 0	SP-040144	<a href="#">get it</a>				
					<a href="#">get it</a>				
<hr/>									
<b>TS 32.270</b>	<b>Telecommunication management; Charging management; Multimedia Messaging Service (MMS) charging</b>								
Rel-6	<i>current version:</i> 1.0.0	DRAFT	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> GOERMER, Gerald	SIEMENS AG				
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> ZOICAS, Adrian					
	<i>history (event, available, version, comments):</i>								
	SP-21	2003-09-29	1 . 0 . 0	SP-030412	<a href="#">get it</a>	<i>remarks - general:</i>			
						<i>remarks - this release:</i> .			

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<b>TS 32.271</b>	<b>Telecommunication management; Charging management; Location Services (LCS) charging</b>						
Rel-6	<i>current version:</i> 1.0.0	DRAFT	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> BIBAS, Alain	ORANGE SA		
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version, comments):</i>						
	SP-21	2003-09-29	1 . 0 . 0	SP-030411	<a href="#">get it</a>	<i>remarks - general:</i>	<i>remarks - this release:</i> .
<hr/>							
<b>TS 32.272</b>	<b>Telecommunication management; Charging management; Push-to-talk over Cellular (PoC) charging</b>						
Rel-6	<i>current version:</i> 0.0.2	DRAFT	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> NENNER, Karl-Heinz	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version, comments):</i>						
	draft	2004-05-24	0 . 0 . 2	History claims that this is v0.1.0.	<a href="#">get it</a>	<i>remarks - general:</i>	<i>remarks - this release:</i> .
<hr/>							
<b>TS 32.295</b>	<b>Telecommunication management; Charging management; Charging Data Record (CDR) transfer</b>						
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> ALEXANDER, Benni	NOKIA Corporation		
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version, comments):</i>						
						<i>remarks - general:</i>	<i>remarks - this release:</i> .
<hr/>							
<b>TS 32.296</b>	<b>Telecommunication management; Charging management; On line Charging System (OCS): Applications and interfaces</b>						
Rel-6	<i>current version:</i> 1.0.0	DRAFT	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> BROWN, Yishai	Amdocs Software Systems Limited		
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version, comments):</i>						
	draft		0 . 0 . 2			<i>remarks - general:</i>	WID = CH (SP-030047)
	S5-35b	2003-10-22	0 . 1 . 0			<i>remarks - this release:</i>	Original target for approval = SP-21.
	S5-36		0 . 3 . 0				
	draft		0 . 4 . 0				
	S5-36b	2004-01-26	0 . 5 . 0	S5-044040		<a href="#">get it</a>	
	SP-23	2004-03-22	1 . 0 . 0	SP-040141		<a href="#">get it</a>	

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<b>TS 32.297</b>	<b>Telecommunication management; Charging management; Charging Data Record (CDR) file format and transfer</b>								
Rel-6	<i>current version:</i> 6.0.0			<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> RICHARDS, Christopher	NORTEL NETWORKS (EUROPE)			
	<i>freeze_meeting:</i>			<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	SP-20	2003-06-17	1 . 0 . 0	SP-030273	<a href="#">get it</a>	<i>remarks - general:</i>	2003-08-18: Title changed from "Telecommunication management; Charging		
	draft		1 . 0 . 1			<i>remarks - this release:</i>	. management; Charging interface description to the billing domain".		
	draft		1 . 1 . 0						
	draft		1 . 2 . 0						
	S2-36b	2004-01-26	1 . 2 . 1		<a href="#">get it</a>				
	draft		1 . 3 . 0						
	draft	2004-03-03	1 . 4 . 0	S5-044147	<a href="#">get it</a>				
	draft	2004-03-05	1 . 4 . 1		<a href="#">get it</a>				
	SP-23	2004-03-22	2 . 0 . 0	SP-040142	<a href="#">get it</a>				
	SP-23	2004-03-22	6 . 0 . 0		<a href="#">get it</a>				

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<b>TS 32.298</b>	<b>Telecommunication management; Charging management; Charging Data Record (CDR) parameter description</b>								
Rel-6	<i>current version:</i> 1.0.0	DRAFT		<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> NENNER, Karl-Heinz	T-MOBILE DEUTSCHLAND			
	<i>freeze_meeting:</i>			<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	SP-21	2003-09-29	1 . 0 . 0	SP-030413	<a href="#">get it</a>	<i>remarks - general:</i>			
						<i>remarks - this release:</i>	.		

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<b>TS 32.299</b>	<b>Telecommunication management; Charging management; Diameter charging applications</b>								
Rel-6	<i>current version:</i> 1.0.0	DRAFT		<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> ALEXANDER, Benni	NOKIA Corporation			
	<i>freeze_meeting:</i>			<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	draft		0 . 1 . 0			<i>remarks - general:</i>	2003-08-18: Title changed from "Telecommunication management; Charging		
	draft	2004-01-26	0 . 2 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	. management; Charging protocol description".		
	SP-23	2004-03-22	1 . 0 . 0	SP-040145	<a href="#">get it</a>				

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<b>TS 32.301</b>	<b>Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Requirements</b>								
Rel-6	<i>current version:</i> 6.0.0			<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> SCHMIDT, Joerg	MOTOROLA A/S			
	<i>freeze_meeting:</i>			<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	SP-23	2004-03-24	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	was 32.301-1		
						<i>remarks - this release:</i>	.		

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<b>TS 32.302</b>	<b>Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service (IS)</b>								
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TSE, Edwin	Ericsson Incorporated					
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-23 2004-03-24 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> was 32.301-2			
						<i>remarks - this release:</i> .			
<hr/>									
<b>TS 32.303</b>	<b>Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution</b>								
Rel-6	<i>current version:</i> Set (SS)	6.0.0	<i>WG (prime / other):</i> S5	/-	<i>rapporteur:</i> POLLAKOWSKI, Olaf	SIEMENS AG			
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-23 2004-03-24 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> was 32.301-3			
						<i>remarks - this release:</i> .			
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<b>TS 32.304</b>	<b>Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set</b>								
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> POLLAKOWSKI, Olaf	SIEMENS AG					
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-23 2004-03-24 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> was 32.301-4			
						<i>remarks - this release:</i> .			
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<b>TS 32.311</b>	<b>Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements</b>								
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> TSE, Edwin	Ericsson Incorporated					
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-23 2004-03-23 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> was 32.112-1			
						<i>remarks - this release:</i> .			
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<b>TS 32.312</b>	<b>Telecommunication management; Generic Integration Reference Point (IRP) management; Information Service (IS)</b>								
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> TSE, Edwin	Ericsson Incorporated					
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-23 2004-03-23 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> was 32.112-2			
						<i>remarks - this release:</i> .			

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<b>TS 32.321</b>	<b>Telecommunication management; Test management Integration Reference Point (IRP): Requirements</b>					
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> POLLAKOWSKI, Olaf	SIEMENS AG	
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>					
	SP-23 2004-03-24 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	
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<b>TS 32.331</b>	<b>Telecommunication management; Notification log Integration Reference Point (IRP): Requirements</b>					
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> SCHMIDT, Joerg	MOTOROLA A/S	
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>					
	SP-22 2004-01-05 1 . 0 . 0 SP-030638			<a href="#">get it</a>	<i>remarks - general:</i>	
	SP-23 2004-03-22 2 . 0 . 0 SP-040122			<a href="#">get it</a>	<i>remarks - this release:</i>	
	SP-23 2004-03-22 6 . 0 . 0			<a href="#">get it</a>		
<hr/>						
<b>TS 32.332</b>	<b>Telecommunication management; Notification log Integration Reference Point (IRP): Information Service (IS)</b>					
Rel-6	<i>current version:</i> 1.0.0	DRAFT	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> SCHMIDT, Joerg	MOTOROLA A/S	
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>					
	SP-23 2004-03-22 1 . 0 . 0 SP-040123			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	
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<b>TS 32.333</b>	<b>Telecommunication management; Notification log Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)</b>					
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> RAYMER, David	Motorola Inc.	
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>					
					<i>remarks - general:</i>	
					<i>remarks - this release:</i>	
<hr/>						
<b>TS 32.334</b>	<b>Telecommunication management; Notification log Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)</b>					
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> POLLAKOWSKI, Olaf	SIEMENS AG	
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>					
					<i>remarks - general:</i>	
					<i>remarks - this release:</i>	

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<b>TS 32.341</b>	<b>Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Requirements</b>					
Rel-6	<i>current version:</i> 6.0.0	DRAFT	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> SCHMIDT, Joerg	MOTOROLA A/S	
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>					
	SP-20	2003-06-17	1 . 0 . 0	SP-030290	<a href="#">get it</a>	<i>remarks - general:</i>
	SP-23	2004-03-22	2 . 0 . 0	SP-040124	<a href="#">get it</a>	<i>remarks - this release:</i> .
	SP-23	2004-03-22	6 . 0 . 0		<a href="#">get it</a>	
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<b>TS 32.342</b>	<b>Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Information Service (IS)</b>					
Rel-6	<i>current version:</i> 1.0.0	DRAFT	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> SCHMIDT, Joerg	MOTOROLA A/S	
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>					
	SP-22	2004-01-05	1 . 0 . 0	SP-030637	<a href="#">get it</a>	<i>remarks - general:</i>
						<i>remarks - this release:</i> .
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<b>TS 32.343</b>	<b>Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)</b>					
Rel-6	<i>current version:</i> 1.0.0	DRAFT	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> RAYMER, David	Motorola Inc.	
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>					
	SP-23	2004-03-22	1 . 0 . 0	SP-040127	<a href="#">get it</a>	<i>remarks - general:</i>
						<i>remarks - this release:</i> .
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<b>TS 32.344</b>	<b>Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)</b>					
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> SUERBAUM, Clemens	SIEMENS AG	
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>					
						<i>remarks - general:</i>
						<i>remarks - this release:</i> .
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<b>TS 32.351</b>	<b>Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Requirements</b>					
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> LI, Yewen	China Mobile Communications Corporation (CMCC)	
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>					
	SP-22	2004-01-05	1 . 0 . 0	SP-030632	<a href="#">get it</a>	<i>remarks - general:</i> WI = OAM-NIM (UID 35014)
	SP-23	2004-03-22	2 . 0 . 0	SP-040125	<a href="#">get it</a>	<i>remarks - this release:</i> .
	SP-23	2004-03-22	6 . 0 . 0		<a href="#">get it</a>	
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<b>TS 32.352</b>	<b>Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Information Service (IS)</b>								
Rel-6	<i>current version:</i> 1.0.0	DRAFT	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> LI, Yewen	China Mobile Communications Corporation (CMCC)				
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian					
	<i>history (event, available, version, comments):</i>								
	SP-22	2004-01-05	1 . 0 . 0	SP-030633		<a href="#">get it</a>	<i>remarks - general:</i> WI = OAM-NIM (UID 35014)		
							<i>remarks - this release:</i> .		
<hr/>									
<b>TS 32.353</b>	<b>Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)</b>								
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> LI, Yewen	China Mobile Communications Corporation (CMCC)				
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian					
	<i>history (event, available, version, comments):</i>								
							<i>remarks - general:</i> WI = OAM-NIM (UID 35014)		
							<i>remarks - this release:</i> .		
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<b>TS 32.354</b>	<b>Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)</b>								
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> LI, Yewen	China Mobile Communications Corporation (CMCC)				
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian					
	<i>history (event, available, version, comments):</i>								
							<i>remarks - general:</i> WI = OAM-NIM (UID 35014)		
							<i>remarks - this release:</i> .		
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<b>TS 32.361</b>	<b>Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Requirements</b>								
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> LI, Yewen	China Mobile Communications Corporation (CMCC)				
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian					
	<i>history (event, available, version, comments):</i>								
	SP-21	2003-09-29	1 . 0 . 0	SP-030423		<a href="#">get it</a>	<i>remarks - general:</i> WI = OAM-NIM (UID 35014)		
	SP-22	2004-01-05	2 . 0 . 0	SP-030634		<a href="#">get it</a>	<i>remarks - this release:</i> .		
	SP-22	2004-01-05	6 . 0 . 0			<a href="#">get it</a>			
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<b>TS 32.362</b>	<b>Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Information Service (IS)</b>								
Rel-6	<i>current version:</i> 6.1.0		<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> LI, Yewen	China Mobile Communications Corporation (CMCC)				
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian					
	<i>history (event, available, version, comments):</i>								
	SP-21	2003-09-29	1 . 0 . 0	SP-030424		<a href="#">get it</a>	<i>remarks - general:</i> WI = OAM-NIM (UID 35014)		
	SP-22	2004-01-05	2 . 0 . 0	SP-030635		<a href="#">get it</a>	<i>remarks - this release:</i> .		
	SP-22	2004-01-05	6 . 0 . 0			<a href="#">get it</a>			
	SP-23	2004-03-24	6 . 1 . 0			<a href="#">get it</a>			

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<b>TS 32.363</b>	<b>Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)</b>								
Rel-6	<i>current version:</i> 6.0.0			<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> LI, Yewen				China Mobile Communications Corporation (CMCC)
	<i>freeze_meeting:</i>			G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	SP-21	2003-09-29	1 . 0 . 0	SP-040425	<a href="#">get it</a>	<i>remarks - general:</i>	WI = OAM-NIM (UID 35014)		
	SP-22	2004-01-05	2 . 0 . 0	SP-030636	<a href="#">get it</a>	<i>remarks - this release:</i>	.		
	SP-22	2004-01-05	6 . 0 . 0		<a href="#">get it</a>				

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<b>TS 32.364</b>	<b>Telecommunication Management; Entry Point (EP) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)</b>								
Rel-6	<i>current version:</i> none			<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> LI, Yewen				China Mobile Communications Corporation (CMCC)
	<i>freeze_meeting:</i>			G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
						<i>remarks - general:</i>	WI = OAM-NIM (UID 35014)		
						<i>remarks - this release:</i>	.		

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<b>TS 32.371</b>	<b>Telecommunication management; Security Management Integration Reference Point (IRP): Requirements</b>								
Rel-6	<i>current version:</i> 1.0.0	DRAFT		<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> YANG, Li				HuaWei Technologies Co., Ltd
	<i>freeze_meeting:</i>			G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	draft	2004-01-05	0 . 0 . 1		<a href="#">get it</a>	<i>remarks - general:</i>	WI = OAM-AR (UID 35011)		
	SP-23	2004-03-22	1 . 0 . 0	SP-040126	<a href="#">get it</a>	<i>remarks - this release:</i>	.		

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<b>TS 32.372</b>	<b>Telecommunication management; Security Management Integration Reference Point (IRP): Information Service (IS)</b>								
Rel-6	<i>current version:</i> none			<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> YANG, Li				HuaWei Technologies Co., Ltd
	<i>freeze_meeting:</i>			G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
						<i>remarks - general:</i>	WI = OAM-AR (UID 35011)		
						<i>remarks - this release:</i>	.		

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<b>TS 32.373</b>	<b>Telecommunication management; Security Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)</b>								
Rel-6	<i>current version:</i> none			<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> YANG, Li				HuaWei Technologies Co., Ltd
	<i>freeze_meeting:</i>			G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
						<i>remarks - general:</i>	WI = OAM-AR (UID 35011)		
						<i>remarks - this release:</i>	.		

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**TS 32.374 Telecommunication management; Security Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)**  
Rel-6 *current version:* none *WG (prime / other):* S5 / *rapporteur:* YANG, Li HuaWei Technologies Co., Ltd  
*freeze\_meeting:* *G:* yes *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):* *remarks - general:* WI = OAM-AR (UID 35011)  
*remarks - this release:* .

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**TS 32.401 Telecommunication management; Performance Management (PM); Concept and requirements**  
Rel-6 *current version:* 6.1.0 *WG (prime / other):* S5 / - *rapporteur:* HÜBINETTE, Ulf Telefon AB LM Ericsson  
*freeze\_meeting:* *G:* yes *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):* *remarks - general:* was 32.104 (pars)  
SP-21 2003-10-15 6 . 0 . 0 [get it](#) *remarks - this release:* .  
SP-22 2004-01-05 6 . 1 . 0 [get it](#)

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**TS 32.403 Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM**  
Rel-6 *current version:* 6.3.0 *WG (prime / other):* S5 / - *rapporteur:* TOCHE, Christian NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* *G:* yes *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):* *remarks - general:* was 32.104 (pars)  
SP-20 2003-06-27 6 . 0 . 0 [get it](#) *remarks - this release:* .  
SP-21 2003-10-15 6 . 1 . 0 [get it](#)  
SP-22 2004-01-05 6 . 2 . 0 [get it](#)  
SP-23 2004-03-24 6 . 3 . 0 [get it](#)

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**TS 32.411 Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Requirements**  
Rel-6 *current version:* 6.2.0 *WG (prime / other):* S5 / - *rapporteur:* HÜBINETTE, Ulf Telefon AB LM Ericsson  
*freeze\_meeting:* *G:* yes *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):* *remarks - general:*  
SP-17 2002-09-16 1 . 0 . 0 SP-020500 [get it](#) *remarks - this release:* .  
SP-20 2003-06-17 2 . 0 . 0 SP-030294 [get it](#)  
SP-20 2003-06-18 6 . 0 . 0 [get it](#)  
SP-21 2003-10-15 6 . 1 . 0 [get it](#)  
SP-22 2004-01-05 6 . 2 . 0 [get it](#)

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<b>TS 32.412</b>	<b>Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Information Service (IS)</b>								
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOCHE, Christian	NORTEL NETWORKS (EUROPE)					
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-20	2003-06-17	1 . 0 . 0	SP-030295	<a href="#">get it</a>	<i>remarks - general:</i>			
	S5-34b	2003-07-29	1 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .			
	S5-35		1 . 2 . 0						
	S5-35		1 . 3 . 0						
	S5-35b	2003-11-03	1 . 4 . 0	S5-038724	<a href="#">get it</a>				
	SP-22	2004-01-05	2 . 0 . 0	SP-030650	<a href="#">get it</a>				
	SP-22	2004-01-05	6 . 0 . 0		<a href="#">get it</a>				

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<b>TS 32.413</b>	<b>Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)</b>								
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOCHE, Christian	NORTEL NETWORKS (EUROPE)					
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-23	2004-03-22	2 . 0 . 0	SP-040136	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-23	2004-03-22	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .			

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<b>TS 32.414</b>	<b>Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)</b>								
Rel-6	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOCHE, Christian	NORTEL NETWORKS (EUROPE)					
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	<i>remarks - general:</i>								
	<i>remarks - this release:</i> .								

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<b>TS 32.421</b>	<b>Telecommunication management; Subscriber and equipment trace; Trace concepts and requirements</b>								
Rel-6	<i>current version:</i> 6.3.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> KORINEK, Frank	MOTOROLA JAPAN LTD					
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-16	2002-06-17	1 . 0 . 0	SP-020330	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-18	2003-01-06	2 . 0 . 0	SP-020755	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	SP-18	2003-01-06	6 . 0 . 0		<a href="#">get it</a>				
	SP-19	2003-03-31	6 . 1 . 0		<a href="#">get it</a>				
	SP-22	2004-01-05	6 . 2 . 0		<a href="#">get it</a>				
	SP-23	2004-03-23	6 . 3 . 0		<a href="#">get it</a>				

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<b>TS 32.422</b>	<b>Telecommunication management; Subscriber and equipment trace; Trace control and Configuration Management (CM)</b>					
Rel-6	<i>current version:</i> 1.0.0	DRAFT	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> RAO, Mohan		Lucent Technologies Network Systems UK
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>					
	SP-23 2004-03-22 1 . 0 . 0 SP-040117		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i>		
<hr/>						
<b>TS 32.423</b>	<b>Telecommunication management; Subscriber and equipment trace; Trace data definition and management</b>					
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOCHE, Christian		NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>					
				<i>remarks - general:</i>		
				<i>remarks - this release:</i>		
<hr/>						
<b>TS 32.431</b>	<b>Telecommunications management; Performance measurement collection Integration Reference Point (IRP); Requirements</b>					
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> LI, Dan		NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>					
				<i>remarks - general:</i>		
				<i>remarks - this release:</i>		
<hr/>						
<b>TS 32.432</b>	<b>Telecommunications management; Performance measurement collection Integration Reference Point (IRP); Information Service (IS)</b>					
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> RAO, Mohan		Lucent Technologies Network Systems UK
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>					
				<i>remarks - general:</i>		
				<i>remarks - this release:</i>		
<hr/>						
<b>TS 32.433</b>	<b>Telecommunications management; Performance measurement collection Integration Reference Point (IRP); eXtensible Markup Language (XML) file format definition</b>					
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> LI, Dan		NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>					
				<i>remarks - general:</i>		
				<i>remarks - this release:</i>		

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<b>TS 32.600</b>	<b>Telecommunication management; Configuration Management (CM); Concept and high-level requirements</b>				
Rel-6	current version: 6.0.0	WG (prime / other): S5 / -	rapporteur: TOVINGER, Thomas	Telefon AB LM Ericsson	
	freeze_meeting:	G: yes U: yes	MCC: ZOICAS, Adrian		
	history (event, available, version, comments):				
	SP-23 2004-03-23 6 . 0 . 0				<a href="#">get it</a> remarks - general: Replaces 32.106 (pars). remarks - this release: .
<hr/>					
<b>TS 32.601</b>	<b>Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Requirements</b>				
Rel-6	current version: 6.0.0	WG (prime / other): S5 / -	rapporteur: PIRT, Trevor	MOTOROLA Ltd	
	freeze_meeting:	G: yes U: yes	MCC: ZOICAS, Adrian		
	history (event, available, version, comments):				
	SP-23 2004-03-23 6 . 0 . 0				<a href="#">get it</a> remarks - general: was 32.601-1 remarks - this release: .
<hr/>					
<b>TS 32.602</b>	<b>Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information Service (SS)</b>				
Rel-6	current version: 6.0.0	WG (prime / other): S5 / -	rapporteur: TOVINGER, Thomas	Telefon AB LM Ericsson	
	freeze_meeting:	G: yes U: yes	MCC: ZOICAS, Adrian		
	history (event, available, version, comments):				
	SP-23 2004-03-23 6 . 0 . 0				<a href="#">get it</a> remarks - general: was 32.601-2 remarks - this release: .
<hr/>					
<b>TS 32.603</b>	<b>Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution</b>				
Rel-6	current version: 6.0.0	WG (prime / other): S5 / -	rapporteur: TSE, Edwin	Ericsson Incorporated	
	freeze_meeting:	G: yes U: yes	MCC: ZOICAS, Adrian		
	history (event, available, version, comments):				
	SP-23 2004-03-23 6 . 0 . 0				<a href="#">get it</a> remarks - general: was 32.601-3 remarks - this release: .
<hr/>					
<b>TS 32.604</b>	<b>Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP) Common Management Information Protocol (CMIP) Solution Set</b>				
Rel-6	current version: 6.0.0	WG (prime / other): S5 / -	rapporteur: POLLAKOWSKI, Olaf	SIEMENS AG	
	freeze_meeting:	G: yes U: yes	MCC: ZOICAS, Adrian		
	history (event, available, version, comments):				
	SP-23 2004-03-23 6 . 0 . 0				<a href="#">get it</a> remarks - general: was 32.601-4 remarks - this release: .

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<b>TS 32.611</b>	<b>Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Requirements</b>				
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> PAL, Tapinder	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>				
	SP-23 2004-03-24 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.602-1		
			<i>remarks - this release:</i> .		
<hr/>					
<b>TS 32.612</b>	<b>Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information Service (IS)</b>				
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> PIRT, Trevor	MOTOROLA Ltd	
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>				
	SP-23 2004-03-24 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.602-2		
			<i>remarks - this release:</i> .		
<hr/>					
<b>TS 32.613</b>	<b>Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution</b>				
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> PIRT, Trevor	MOTOROLA Ltd	
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>				
	SP-23 2004-03-24 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.602-3		
			<i>remarks - this release:</i> .		
<hr/>					
<b>TS 32.614</b>	<b>Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set</b>				
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> POLLAKOWSKI, Olaf	SIEMENS AG	
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>				
	SP-23 2004-03-24 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.602-4		
			<i>remarks - this release:</i> .		
<hr/>					
<b>TS 32.622</b>	<b>Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)</b>				
Rel-6	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOVINGER, Thomas	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>				
	SP-22 2004-01-13 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.620-2		
	SP-23 2004-03-24 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .		

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<b>TS 32.623</b>	<b>Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture</b>	Rel-6	current version: (CORBA) Solution Set (SS)	6.1.0	WG (prime / other):	S5	/-	rporteur:	PIRT, Trevor	MOTOROLA Ltd
	<i>freeze_meeting:</i>			G: yes	U: yes	MCC:			ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>									
		SP-22	2004-01-14	6 . 0 . 0				<a href="#">get it</a>	remarks - general:	was 32.620-3
		SP-23	2004-03-24	6 . 1 . 0				<a href="#">get it</a>	remarks - this release:	.

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<b>TS 32.625</b>	<b>Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML)</b>	Rel-6	current version: file format definition	6.1.0	WG (prime / other):	S5	/-	rporteur:	BONNEAU, Frédéric	NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting:</i>			G: yes	U: yes	MCC:			ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>									
		SP-22	2004-01-14	6 . 0 . 0				<a href="#">get it</a>	remarks - general:	
		SP-23	2004-03-24	6 . 1 . 0				<a href="#">get it</a>	remarks - this release:	.

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<b>TS 32.641</b>	<b>Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Requirements</b>	Rel-6	current version: 6.0.0		WG (prime / other):	S5	/-	rporteur:	PIRT, Trevor	MOTOROLA Ltd
	<i>freeze_meeting:</i>			G:	U: yes	MCC:			ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>									
		SP-23	2004-03-24	6 . 0 . 0				<a href="#">get it</a>	remarks - general:	was 32.622-1
									remarks - this release:	.

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<b>TS 32.642</b>	<b>Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)</b>	Rel-6	current version: 6.0.0		WG (prime / other):	S5	/-	rporteur:	PETERSEN, Robert	Ericsson AB
	<i>freeze_meeting:</i>			G:	U: yes	MCC:			ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>									
		SP-23	2004-03-24	6 . 0 . 0				<a href="#">get it</a>	remarks - general:	was 32.622-2
									remarks - this release:	.

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<b>TS 32.643</b>	<b>Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture</b>	Rel-6	current version: (CORBA) Solution Set (SS)	6.0.0	WG (prime / other):	S5	/-	rporteur:	RAYMER, David	Motorola Inc.
	<i>freeze_meeting:</i>			G:	U: yes	MCC:			ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>									
		SP-23	2004-03-24	6 . 0 . 0				<a href="#">get it</a>	remarks - general:	was 32.622-3
									remarks - this release:	.

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<b>TS 32.661</b>	<b>Telecommunication management; Configuration Management (CM); Kernel CM; Requirements</b>				
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> TOVINGER, Thomas	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i>	ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>				
	SP-19 2003-04-01 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i>		
<hr/>					
<b>TS 32.662</b>	<b>Telecommunication management; Configuration Management (CM); Kernel CM; Information service (IS)</b>				
Rel-6	<i>current version:</i> 6.2.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> TOVINGER, Thomas	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i>	ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>				
	SP-19 2003-04-01 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-22 2004-01-13 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-23 2004-03-24 6 . 2 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 32.663</b>	<b>Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution</b>				
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> PAL, Tapinder	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i>	ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>				
	SP-19 2003-04-03 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i>		
<hr/>					
<b>TS 32.664</b>	<b>Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set</b>				
Rel-6	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> POLLAKOWSKI, Olaf	SIEMENS AG	
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i>	ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>				
	SP-19 2003-04-01 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-20 2003-06-27 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
<hr/>					
<b>TS 32.671</b>	<b>Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Requirements</b>				
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> POLLAKOWSKI, Olaf	SIEMENS AG	
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i>	ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>				
	SP-23 2004-03-23 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i>		

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Server location: [http://www.3gpp.org/ftp/Specs/archive/32\\_series](http://www.3gpp.org/ftp/Specs/archive/32_series)

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<b>TS 32.672</b>	<b>Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Information Service (SI)</b>								
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> POLLAKOWSKI, Olaf	SIEMENS AG				
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i>	ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	SP-23 2004-03-23 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>				
<hr/>									
<b>TS 32.673</b>	<b>Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA)</b>								
Rel-6	<i>current version:</i> <b>Solution Set (SS)</b>	6.0.0	<i>WG (prime / other):</i> S5	/-	<i>rapporteur:</i> RAYMER, David				
	Motorola Inc.								
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i>	ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	SP-23 2004-03-23 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>				
<hr/>									
<b>TS 32.674</b>	<b>Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP)</b>								
Rel-6	<i>current version:</i> <b>Solution Set (SS)</b>	6.0.0	<i>WG (prime / other):</i> S5	/-	<i>rapporteur:</i> POLLAKOWSKI, Olaf				
	SIEMENS AG								
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i>	ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	SP-23 2004-03-23 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>				
<hr/>									
<b>TS 32.681</b>	<b>Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Requirements</b>								
Rel-6	<i>current version:</i> 1.0.0	DRAFT	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PAL, Tapinder	T-MOBILE DEUTSCHLAND				
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i>	ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	SP-21 2003-09-29 1 . 0 . 0 SP-030426			<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>				
<hr/>									
<b>TS 32.682</b>	<b>Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP); Information Service (IS)</b>								
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PAL, Tapinder	T-MOBILE DEUTSCHLAND				
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i>	ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
					<i>remarks - general:</i>				
					<i>remarks - this release:</i>				

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**TS 32.683** **Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)**  
Rel-6 *current version:* none *WG (prime / other):* S5 / - *rapporteur:* PAL, Tapinder T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* *G:* yes *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*

*remarks - general:*  
*remarks - this release:* .

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**TS 32.684** **Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)**  
Rel-6 *current version:* none *WG (prime / other):* S5 / - *rapporteur:* PAL, Tapinder T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* *G:* yes *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*

*remarks - general:*  
*remarks - this release:* .

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**TS 32.695** **Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition**  
Rel-6 *current version:* 1.0.0 DRAFT *WG (prime / other):* S5 / *rapporteur:* TOVINGER, Thomas Telefon AB LM Ericsson  
*freeze\_meeting:* *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*  
SP-21 2003-09-29 1 . 0 . 0 SP-030427 [get it](#)

*remarks - general:*  
*remarks - this release:* .

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**TS 32.711** **Telecommunication management; Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Requirements**  
Rel-6 *current version:* 1.0.0 DRAFT *WG (prime / other):* S5 / - *rapporteur:* PAL, Tapinder T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*  
SP-21 2003-09-29 1 . 0 . 0 SP-030428 [get it](#)

*remarks - general:* WI = OAM-NIM (UID 35014)  
*remarks - this release:* .

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**TS 32.712** **Telecommunication management; Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)**  
Rel-6 *current version:* 1.0.0 DRAFT *WG (prime / other):* S5 / - *rapporteur:* PAL, Tapinder T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*  
SP-21 2003-09-29 1 . 0 . 0 SP-030429 [get it](#)

*remarks - general:* WI = OAM-NIM (UID 35014)  
*remarks - this release:* .

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<b>TS 32.713</b>	<b>Telecommunication management; Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Common Object Request Broker Architecture</b>	Rel-6	current version: (CORBA) Solution Set (SS)	none	WG (prime / other):	S5	/-	rapporteur:	PAL, Tapinder	T-
MOBILE DEUTSCHLAND										
	<i>freeze_meeting:</i>			G:	U: yes	MCC:			ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>									
									remarks - general: WI = OAM-NIM (UID 35014)	
									remarks - this release: .	
<b>TS 32.714</b>	<b>Telecommunication management; Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP)</b>	Rel-6	current version: Solution Set (SS)	none	WG (prime / other):	S5	/-	rapporteur:	PAL, Tapinder	T-
MOBILE DEUTSCHLAND										
	<i>freeze_meeting:</i>			G:	U: yes	MCC:			ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>									
									remarks - general: WI = OAM-NIM (UID 35014)	
									remarks - this release: .	
<b>TS 32.715</b>	<b>Telecommunication management; Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): eXtensible Markup Language (XML) file format</b>	Rel-6	current version: none	WG (prime / other):	S5	/-	rapporteur:	PAL, Tapinder	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i>			G:	U: yes	MCC:			ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>									
									remarks - general: WI = OAM-NIM (UID 35014)	
									remarks - this release: .	
<b>TS 32.731</b>	<b>Telecommunication management; Service Specific Core Network (CN) IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP):</b>	Rel-6	current version: none	WG (prime / other):	S5	/-	rapporteur:	RAO, Mohan	Lucent Technologies Network Systems UK	
	<i>freeze_meeting:</i>			G:	U: yes	MCC:			ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>									
									remarks - general:	
									remarks - this release: .	
<b>TS 32.732</b>	<b>Telecommunication management; Service Specific Core Network (CN) IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP):</b>	Rel-6	current version: Information Service (IS)	none	WG (prime / other):	S5	/-	rapporteur:	RAO, Mohan	Lucent
Technologies Network Systems UK										
	<i>freeze_meeting:</i>			G:	U: yes	MCC:			ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>									
									remarks - general:	
									remarks - this release: .	

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<b>TS 32.733</b>	<b>Telecommunication management; Service Specific Core Network (CN) IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP): Common</b>	Rel-6	<i>current version:</i> <b>Object Request Broker Architecture (CORBA) Solution Set (SS)</b>	none	<i>WG (prime / other):</i> S5	/-	<i>rapporteur:</i> RAO, Mohan	Lucent
Technologies Network Systems UK								
	<i>freeze_meeting:</i>	G:	U: yes		MCC:		ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>							
					<i>remarks - general:</i>			
					<i>remarks - this release:</i>			
<b>TS 32.734</b>	<b>Telecommunication management; Service Specific Core Network (CN) IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP): Common</b>	Rel-6	<i>current version:</i> <b>Management Information Protocol (CMIP) Solution Set (SS)</b>	none	<i>WG (prime / other):</i> S5	/-	<i>rapporteur:</i> RAO, Mohan	Lucent
Technologies Network Systems UK								
	<i>freeze_meeting:</i>	G:	U: yes		MCC:		ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>							
					<i>remarks - general:</i>			
					<i>remarks - this release:</i>			
<b>TS 32.735</b>	<b>Telecommunication management; Service Specific Core Network (CN) IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP):</b>	Rel-6	<i>current version:</i> <b>eXtensible Markup Language (XML) file format definition</b>	none	<i>WG (prime / other):</i> S5	/-	<i>rapporteur:</i> RAO, Mohan	Lucent
Technologies Network Systems UK								
	<i>freeze_meeting:</i>	G:	U: yes		MCC:		ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>							
					<i>remarks - general:</i>			
					<i>remarks - this release:</i>			
<b>TS 32.741</b>	<b>Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point</b>	Rel-6	<i>current version:</i> <b>(IRP): Requirements</b>	none	<i>WG (prime / other):</i> S5	/-	<i>rapporteur:</i> LI, YewenChina Mobile	
Communications Corporation (CMCC)								
	<i>freeze_meeting:</i>	G:	U: yes		MCC:		ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>							
					<i>remarks - general:</i>			
					<i>remarks - this release:</i>			
<b>TS 32.742</b>	<b>Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point</b>	Rel-6	<i>current version:</i> <b>(IRP): Information Service (IS)</b>	none	<i>WG (prime / other):</i> S5	/-	<i>rapporteur:</i> LI, YewenChina Mobile	
Communications Corporation (CMCC)								
	<i>freeze_meeting:</i>	G:	U: yes		MCC:		ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>							
					<i>remarks - general:</i>			
					<i>remarks - this release:</i>			

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<b>TS 32.743</b>	<b>Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point</b>	Rel-6	<i>current version:</i> (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	none	<i>WG (prime / other):</i>	S5	/	-	<i>rporteur:</i>	LI,
YewenChina Mobile Communications Corporation (CMCC)										
	<i>freeze_meeting:</i>			G:		U: yes		MCC:		ZOICAS, Adrian
	<i>history (event, available, version, comments):</i>									
									<i>remarks - general:</i>	
									<i>remarks - this release:</i>	.

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<b>TS 32.744</b>	<b>Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point</b>	Rel-6	<i>current version:</i> (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	<i>WG (prime / other):</i>	S5	/	-	<i>rporteur:</i>	LI,
YewenChina Mobile Communications Corporation (CMCC)										
	<i>freeze_meeting:</i>			G:		U: yes		MCC:		ZOICAS, Adrian
	<i>history (event, available, version, comments):</i>									
									<i>remarks - general:</i>	
									<i>remarks - this release:</i>	.

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<b>TS 32.745</b>	<b>Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point</b>	Rel-6	<i>current version:</i> (IRP): eXtensible Markup Language (XML) file format definition	none	<i>WG (prime / other):</i>	S5	/-		<i>rporteur:</i>	LI, YewenChina Mobile
Communications Corporation (CMCC)										
	<i>freeze_meeting:</i>			G:		U: yes		MCC:		ZOICAS, Adrian
	<i>history (event, available, version, comments):</i>									
									<i>remarks - general:</i>	
									<i>remarks - this release:</i>	.

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<b>TR 32.803</b>	<b>Telecommunication management; Process guide; Use cases in Unified Modelling Language (UML)</b>	Rel-6	<i>current version:</i> 1.0.0	DRAFT	<i>WG (prime / other):</i>	S5	/		<i>rporteur:</i>	ISLIP, John Lucent Technologies Network Systems UK
	<i>freeze_meeting:</i>			G: yes		U: yes		MCC:		ZOICAS, Adrian
	<i>history (event, available, version, comments):</i>									
			SP-23	2004-03-22	1	.	0	.	0	SP-040109
					<a href="#">get it</a>				<i>remarks - general:</i>	
									<i>remarks - this release:</i>	.

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<b>TR 32.804</b>	<b>Telecommunication management; Control of Remote Electrical Tilting (RET) antennas; Requirements</b>	Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i>	S5	/		<i>rporteur:</i>	MUDGE, John VODAFONE Group Plc
	<i>freeze_meeting:</i>			G:		U: yes		MCC:		ZOICAS, Adrian
	<i>history (event, available, version, comments):</i>									
									<i>remarks - general:</i>	WI UID = 35022 (under 23010)
									<i>remarks - this release:</i>	.

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**TR 32.815 Telecommunication management; Charging management; Online Charging System (OCS) architecture study**  
Rel-6 *current version:* 6.0.0 *WG (prime / other):* S5 / - *rapporteur:* NENNER, Karl-Heinz T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* G: U: yes *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*  
SP-20 2003-06-17 1 . 0 . 0 SP-030274 [get it](#) *remarks - general:*  
SP-21 2003-09-29 2 . 0 . 0 SP-030409 [get it](#) *remarks - this release:* .  
SP-21 2003-09-30 6 . 0 . 0 SP-21: S5 is asked to eliminate multiple [get it](#)  
options in §5.1.

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**TS 33.102 3G security; Security architecture**  
Rel-6 *current version:* 6.0.0 *WG (prime / other):* S3 / - *rapporteur:* BLOMMAERT, Marc Siemens nv/sa  
*freeze\_meeting:* G: U: yes *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
SP-21 2003-09-30 6 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 33.106 Lawful interception requirements**  
Rel-6 *current version:* 6.0.0 *WG (prime / other):* S3 / - *rapporteur:* WILHELM, Berthold BUNDESMINISTERIUM FUR WIRTSCHAFT  
*freeze\_meeting:* G: U: yes *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
SP-22 2004-01-08 6 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 33.107 3G security; Lawful interception architecture and functions**  
Rel-6 *current version:* 6.1.0 *WG (prime / other):* S3 / - *rapporteur:* WILHELM, Berthold BUNDESMINISTERIUM FUR WIRTSCHAFT  
*freeze\_meeting:* G: U: yes *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
SP-21 2003-09-30 6 . 0 . 0 [get it](#) *remarks - general:*  
SP-22 2004-01-08 6 . 1 . 0 [get it](#) *remarks - this release:* .

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<b>TS 33.108</b>	<b>3G security; Handover interface for Lawful Interception (LI)</b>								
Rel-6	current version: 6.5.0			WG (prime / other): S3 /	rapporteur: WILHELM, Berthold	BUNDESMINISTERIUM FUR WIRTSCHAFT			
	freeze_meeting:			G: U: yes	MCC: POPE, Maurice				
	history (event, available, version, comments):								
	SP-18	2002-12-18	6 . 0 . 0	<a href="#">get it</a>	remarks - general:	2001-12-04 Title changed from "Lawful Interception; Interface between core network			
	SP-19	2003-03-24	6 . 1 . 0	<a href="#">get it</a>	remarks - this release:	. and law agency equipment" (Berthold.Wilhelm@RegTP.de).			
	SP-20	2003-06-18	6 . 2 . 0	<a href="#">get it</a>					
	SP-21	2003-09-30	6 . 3 . 0	<a href="#">get it</a>					
	SP-22	2004-01-08	6 . 4 . 0	<a href="#">get it</a>					
	SP-23	2004-03-22	6 . 5 . 0	<a href="#">get it</a>					
<hr/>									
<b>TS 33.141</b>	<b>Presence service; Security</b>								
Rel-6	current version: 1.2.1	DRAFT		WG (prime / other): S3 / -	rapporteur: BOMAN, Krister	Telefon AB LM Ericsson			
	freeze_meeting:			G: U: yes	MCC: POPE, Maurice				
	history (event, available, version, comments):								
	S3-30	2003-10-13	0 . 1 . 0	<a href="#">get it</a>	remarks - general:				
	draft		0 . 1 . 1		remarks - this release:	.			
	post S3-31	2003-11-12	0 . 2 . 0	<a href="#">get it</a>					
	post S3-31	2003-12-04	0 . 3 . 1	<a href="#">get it</a>					
	SP-22	2004-01-05	1 . 0 . 0	<a href="#">get it</a>					
	post S3-23	2004-02-18	1 . 1 . 0	<a href="#">get it</a>					
	SP-23	2004-03-22	1 . 1 . 1	<a href="#">get it</a>					
	S3-33	2004-05-24	1 . 2 . 0	<a href="#">get it</a>					
	edito	2004-05-26	1 . 2 . 1	<a href="#">get it</a>					
<hr/>									
<b>TS 33.203</b>	<b>3G security; Access security for IP-based services</b>								
Rel-6	current version: 6.2.0			WG (prime / other): S3 /	rapporteur: BOMAN, Krister	Telefon AB LM Ericsson			
	freeze_meeting:			G: yes U: yes	MCC: POPE, Maurice				
	history (event, available, version, comments):								
	SP-21	2003-09-30	6 . 0 . 0	<a href="#">get it</a>	remarks - general:				
	SP-22	2004-01-08	6 . 1 . 0	<a href="#">get it</a>	remarks - this release:	.			
	SP-23	2004-03-22	6 . 2 . 0	<a href="#">get it</a>					

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 33.210</b>	<b>3G security; Network Domain Security (NDS); IP network layer security</b>							
Rel-6	current version: 6.4.0	WG (prime / other):	S3 / -	rapporteur:	KOIJEN, Geir	Telenor AS		
	freeze_meeting:	G: yes U: yes		MCC:	POPE, Maurice			
	history (event, available, version, comments):							
	SP-18 2002-12-18	6 . 0 . 0	<a href="#">get it</a>	remarks - general:	2001-05-24: 33.200 split into MAP (33.200) and IP (33.210).			
	SP-19 2003-03-24	6 . 1 . 0	<a href="#">get it</a>	remarks - this release:	.			
	SP-20 2003-06-18	6 . 2 . 0	<a href="#">get it</a>					
	SP-21 2003-09-30	6 . 3 . 0	<a href="#">get it</a>					
	SP-23 2004-03-22	6 . 4 . 0	<a href="#">get it</a>					
<b>TS 33.220</b>	<b>Generic Authentication Architecture (GAA); Generic bootstrapping architecture</b>							
Rel-6	current version: 6.0.0	WG (prime / other):	S3 /	rapporteur:	HAUKKA, Tao	NOKIA Corporation		
	freeze_meeting:	G: U: yes		MCC:	POPE, Maurice			
	history (event, available, version, comments):							
	S3-30	0 . 1 . 0		remarks - general:	WI = SEC1-SC (UID 33002) Based on 33.109 §4.			
	S3-30 2003-11-03	0 . 1 . 1	<a href="#">get it</a>	remarks - this release:	.			
	S3-31 2003-11-28	0 . 2 . 0	<a href="#">get it</a>					
	SP-22 2004-01-05	1 . 0 . 0	<a href="#">get it</a>					SP-030583
	S3-32	1 . 1 . 0						S3-040189
	post S3-32 2004-02-23	1 . 2 . 0	<a href="#">get it</a>					
	post S3-32 2004-03-03	1 . 2 . 1	<a href="#">get it</a>					
	SP-23 2004-03-22	2 . 0 . 0	<a href="#">get it</a>					SP-040164 -> SP-040175
	SP-23 2004-03-22	6 . 0 . 0	<a href="#">get it</a>					
<b>TS 33.221</b>	<b>Generic Authentication Architecture (GAA); Support for subscriber certificates</b>							
Rel-6	current version: 6.0.0	WG (prime / other):	S3 /	rapporteur:	HAUKKA, Tao	NOKIA Corporation		
	freeze_meeting:	G: U: yes		MCC:	POPE, Maurice			
	history (event, available, version, comments):							
	S3-30	0 . 1 . 0		remarks - general:	WI = SEC1-SC (UID 33002) Based on 33.109 §5 & annex A.			
	S3-30 2003-11-03	0 . 1 . 1	<a href="#">get it</a>	remarks - this release:	.			
	S3-31 2003-11-28	0 . 2 . 0	<a href="#">get it</a>					
	SP-22 2004-01-05	1 . 0 . 0	<a href="#">get it</a>					SP-030584
	S3-32	1 . 1 . 0						S3-040190
	post S3-32 2004-02-23	1 . 2 . 0	<a href="#">get it</a>					
	post S3-32 2004-03-03	1 . 2 . 1	<a href="#">get it</a>					
	SP-23 2004-03-22	2 . 0 . 0	<a href="#">get it</a>					SP-040165
	SP-23 2004-03-22	6 . 0 . 0	<a href="#">get it</a>					

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<b>TS 33.222</b>	<b>Generic Authentication Architecture (GAA); Access to network application functions using secure hypertext transfer protocol (HTTPS)</b>						
Rel-6	current version: 1.1.1	DRAFT	WG (prime / other): S3 /	rapporteur: SAHLIN, Bengt	Telefon AB LM Ericsson		
	freeze_meeting:		G: U: yes	MCC: POPE, Maurice			
	history (event, available, version, comments):						
	S3-30	0 . 1 . 0	S3-030646		remarks - general:	WI = SEC1-SC (UID 33002) Based on 33.109 v0.3.0 protocol B.	
	draft 2003-11-04	0 . 1 . 1		<a href="#">get it</a>	remarks - this release:	.	
	draft 2004-01-21	0 . 2 . 0		<a href="#">get it</a>			
	S3-32	1 . 0 . 0					
	S3-33 2004-05-24	1 . 1 . 0		<a href="#">get it</a>			
	edito 2004-05-26	1 . 1 . 1		<a href="#">get it</a>			
<hr/>							
<b>TS 33.234</b>	<b>3G security; Wireless Local Area Network (WLAN) interworking security</b>						
Rel-6	current version: 6.0.0		WG (prime / other): S3 / -	rapporteur: LOPEZ SORIA, Luis	Telefon AB LM Ericsson		
	freeze_meeting:		G: U: yes	MCC: POPE, Maurice			
	history (event, available, version, comments):						
	S3-25 2002-10-23	0 . 1 . 0		<a href="#">get it</a>	remarks - general:		
	S3-25	0 . 2 . 0			remarks - this release:	.	
	S3-26	0 . 3 . 0					
	S3-27	0 . 4 . 0					
	S3-28	0 . 5 . 0					
	S3-29 2003-09-26	0 . 6 . 0		<a href="#">get it</a>			
	S3-30 2003-11-12	0 . 7 . 0		<a href="#">get it</a>			
	SP-22 2004-01-05	1 . 0 . 0	SP-030585	<a href="#">get it</a>			
	S3-32 2004-03-01	1 . 0 . 1		<a href="#">get it</a>			
	SP-23 2004-03-22	2 . 0 . 0	SP-040167	<a href="#">get it</a>			
	SP-23 2004-03-22	6 . 0 . 0		<a href="#">get it</a>			

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<b>TS 33.246</b>	<b>3G Security; Security of Multimedia Broadcast/Multicast Service (MBMS)</b>								
Rel-6	current version: 1.2.0	DRAFT	WG (prime / other):	S3 / -	rapporteur:	ESCOTT, Adrian	Hutchison 3G UK Ltd (3)		
	freeze_meeting:		G: yes U: yes		MCC:	POPE, Maurice			
	history (event, available, version, comments):								
	S3-25	2002-10-23	0 . 0 . 1		<a href="#">get it</a>	remarks - general:			
	S3-25		0 . 0 . 2			remarks - this release:	SP-22: target for v2.0.0 is SP-23, but this will be challenging.		
	S3-26		0 . 0 . 3						
	S3-27		0 . 1 . 0						
	draft	2003-07-08	0 . 1 . 1		<a href="#">get it</a>				
	S3-29	2003-09-02	0 . 2 . 0		<a href="#">get it</a>				
	draft		0 . 2 . 1						
	S3-30		0 . 2 . 2						
	S3-31	2003-11-24	0 . 2 . 3		<a href="#">get it</a>				
	S3-31	2003-11-24	0 . 3 . 0		<a href="#">get it</a>				
	S3-31	2003-12-05	0 . 3 . 1		<a href="#">get it</a>				
	SP-22	2004-01-05	1 . 0 . 0	SP-030586	<a href="#">get it</a>				
	SP-22	2004-03-04	1 . 1 . 0	ex S3-31	<a href="#">get it</a>				
	S3-32	2004-04-27	1 . 1 . 1		<a href="#">get it</a>				
	S3-34	2004-05-25	1 . 2 . 0		<a href="#">get it</a>				

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<b>TS 33.310</b>	<b>Network domain security; Authentication framework (NDS/AF)</b>								
Rel-6	current version: 6.0.0		WG (prime / other):	S3 / -	rapporteur:	KOSKINEN, Tiina	NOKIA Corporation		
	freeze_meeting:		G: U: yes		MCC:	POPE, Maurice			
	history (event, available, version, comments):								
	draft		0 . 0 . 1			remarks - general:			
	draft		0 . 1 . 0			remarks - this release:	.		
	draft		0 . 2 . 0						
	draft		0 . 3 . 0						
	draft		0 . 4 . 0						
	draft		0 . 5 . 0						
	S3-30	2003-11-03	0 . 6 . 0		<a href="#">get it</a>				
	S3-31	2003-11-28	0 . 7 . 0		<a href="#">get it</a>				
	SP-22	2004-01-05	1 . 0 . 0	SP-030587	<a href="#">get it</a>				
	SP-23	2004-03-22	1 . 1 . 0	SP-040168	<a href="#">get it</a>				
	SP-23	2004-03-22	2 . 0 . 0	SP-040168	<a href="#">get it</a>				
	SP-23	2004-03-22	6 . 0 . 0		<a href="#">get it</a>				

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<b>TR 33.810</b>	<b>3G Security; Network Domain Security / Authentication Framework (NDS/AF); Feasibility Study to support NDS/IP evolution</b>				
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S3 /	<i>rporteur:</i> N, A		Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i>				
	<i>history (event, available, version, comments):</i>	G:	U: yes	MCC:	POPE, Maurice
	draft	0	0	0	<i>remarks - general:</i> 2002-07-22: was formerly 33.910.
	draft	0	0	1	<i>remarks - this release:</i> SP-17: expect v2.0.0 at SP-18.
	SP-17	1	0	0	SP-020507 (wronly labeled 33.910)
edito post	SP-17 2002-09-18	1	0	1	corrects spec number on front cover <a href="#">get it</a>
	S3-25	1	1	0	
	SP-18 2003-01-16	2	0	0	SP-020723 <a href="#">get it</a>
	SP-18 2002-12-18	6	0	0	<a href="#">get it</a>

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<b>TR 33.817</b>	<b>Feasibility study on (Universal) Subscriber Interface Module (U)SIM security reuse by peripheral devices on local interfaces</b>				
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S3 / -	<i>rporteur:</i> YAQUB, Raziq		Toshiba Corporation, Digital Media Network Company
	<i>freeze_meeting:</i>	G: yes	U: yes	MCC:	POPE, Maurice
	<i>history (event, available, version, comments):</i>				
	draft	0	0	1	<i>remarks - general:</i> Original WID = SP-030341. 2003-11-26: S3 Secretary indicates that TR is to be
	draft	0	0	2	<i>remarks - this release:</i> . internal, so number changed from 33.917.
	draft	0	4	0	
	draft	0	5	0	
	draft	0	6	0	
	draft	0	7	0	
	S3-30	0	7	1	
	draft	0	7	2	
	draft	0	7	3	
	S3-31	0	7	4	
	S3-31	0	7	5	
	SP-22 2004-01-05	1	0	0	SP-030588 <a href="#">get it</a>
	S3-32 2004-02-02	1	1	0	<a href="#">get it</a>
	draft	1	1	1	
	draft 2004-03-04	1	1	2	<a href="#">get it</a>
	SP-23 2004-03-22	2	0	0	SP-040169 <a href="#">get it</a>
	SP-23 2004-03-22	6	0	0	<a href="#">get it</a>

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<b>TR 33.919</b>	<b>Generic Authentication Architecture (GAA); System description</b>								
Rel-6	current version: 1.2.1	DRAFT	WG (prime / other):	S3 /	rapporteur:	VAN MOFFAERT, Annelies	ALCATEL BELL		
	freeze_meeting:		G:	U: yes	MCC:	POPE, Maurice			
	history (event, available, version, comments):								
	S3-30	2003-10-20	0 . 0 . 1		<a href="#">get it</a>	remarks - general:	WI = SEC1-SC (UID 33002)		
	S3-30	2003-11-03	0 . 1 . 0		<a href="#">get it</a>	remarks - this release:	.		
	S3-31	2003-11-27	0 . 2 . 0		<a href="#">get it</a>				
	SP-22	2004-01-05	1 . 0 . 0	SP-030582	<a href="#">get it</a>				
	S3-32		1 . 0 . 1						
	S3-32	2004-02-20	1 . 2 . 0		<a href="#">get it</a>				
	S3-33	2004-05-04	1 . 2 . 1		<a href="#">get it</a>				

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<b>TR 33.941</b>	<b>Presence service; Security</b>								
Rel-6	current version: 0.6.0	DRAFT	WG (prime / other):	S3 / -	rapporteur:	BOMAN, Krister	Telefon AB LM Ericsson		
	freeze_meeting:		G:	U: yes	MCC:	POPE, Maurice			
	history (event, available, version, comments):								
	S3-24		0 . 1 . 0	S3-020340		remarks - general:			
	S3-25		0 . 2 . 0	S3-020507, S3-020508		remarks - this release:	.		
	S3-26		0 . 3 . 0	S3-020621, S3-020622					
	S3-27		0 . 4 . 0	S3-030022, S3-030070, S3-030068					
	S3-28	2003-07-08	0 . 5 . 0	S3-030246, S3-030248	<a href="#">get it</a>				
	S3-29	2003-10-13	0 . 6 . 0		<a href="#">get it</a>				

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Rel-6 **34** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/34\\_series](http://www.3gpp.org/ftp/Specs/archive/34_series)

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<b>TS 34.131</b>	<b>Test specification for C-language binding for (U)SIM API</b>								
Rel-6	current version: 6.0.0		WG (prime / other):	T3 / -	rapporteur:	JURISIC, Andrijana	VIPnet d.o.o		
	freeze_meeting:		G: yes	U: yes	MCC:	JURISIC, Andrijana			
	history (event, available, version, comments):								
	T3-13		0 . 1 . 0			remarks - general:	Base spec is 31.131.		
	TP-17	2002-09-24	0 . 1 . 1	TP-020223	<a href="#">get it</a>	remarks - this release:	.		
	TP-17	2002-09-19	1 . 0 . 0		<a href="#">get it</a>				
	TP-19	2003-03-24	2 . 0 . 0	TP-030032	<a href="#">get it</a>				
	TP-19	2003-03-26	6 . 0 . 0		<a href="#">get it</a>				

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Rel-6 41 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/41\\_series](http://www.3gpp.org/ftp/Specs/archive/41_series)

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**TS 41.101 Technical Specifications and Technical Reports for a GERAN-based 3GPP system**

Rel-6 *current version:* none *WG (prime / other):* SP / *rapporteur:* MEREDITH, John M ETSI Secretariat  
*freeze\_meeting:* *G: yes U:* *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* .

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Rel-6 43 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/43\\_series](http://www.3gpp.org/ftp/Specs/archive/43_series)

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**TS 43.022 Functions related to Mobile Station (MS) in idle mode and group receive mode**

Rel-6 *current version:* 6.0.0 *WG (prime / other):* G1 / N1 *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
GP-12 2003-01-03 6 . 0 . 0 [get it](#) *remarks - general:* Moved from SMG3 Jan 2000.  
*remarks - this release:* .

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**TS 43.051 GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2**

Rel-6 *current version:* 6.0.0 *WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Guillaume NOKIA Corporation  
*freeze\_meeting:* *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
GP-17 2003-12-05 6 . 0 . 0 [get it](#) *remarks - general:* Originally created as 03.51r00  
*remarks - this release:* .

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<b>TS 43.055</b>	<b>Dual Transfer Mode (DTM); Stage 2</b>								
Rel-6	<i>current version:</i> 6.4.0		<i>WG (prime / other):</i> G1 / G2	<i>rapporteur:</i> CARRIZO MARTINEZ, VODAFONE Group Plc					
	<i>freeze_meeting:</i>			Jose Luis					
			G: yes U:	MCC: USAI, Paolino					
	<i>history (event, available, version, comments):</i>								
	GP-13	2003-02-21	6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
	GP-14	2003-04-25	6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .				
	GP-16	2003-09-12	6 . 2 . 0	<a href="#">get it</a>					
	GP-17	2003-12-05	6 . 3 . 0	<a href="#">get it</a>					
	GP-18	2004-02-20	6 . 4 . 0	<a href="#">get it</a>					

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<b>TS 43.059</b>	<b>Functional stage 2 description of Location Services (LCS) in GERAN</b>								
Rel-6	<i>current version:</i> 6.3.0		<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> LIVINGSTON, Margaret NOKIA Corporation					
	<i>freeze_meeting:</i>			MCC: USAI, Paolino					
	<i>history (event, available, version, comments):</i>								
	GP-14	2003-04-25	6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
	GP-15	2003-07-11	6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .				
	GP-17	2003-12-05	6 . 2 . 0	<a href="#">get it</a>					
	GP-19	2004-05-06	6 . 3 . 0	<a href="#">get it</a>					

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<b>TS 43.064</b>	<b>Overall description of the GPRS radio interface; Stage 2</b>								
Rel-6	<i>current version:</i> 6.2.0		<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> LEPPISAARI, Arto NOKIA Corporation					
	<i>freeze_meeting:</i>			MCC: USAI, Paolino					
	<i>history (event, available, version, comments):</i>								
	GP-15	2003-07-11	6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
	GP-16	2003-09-12	6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .				
	GP-19	2004-05-06	6 . 2 . 0	<a href="#">get it</a>					

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<b>TS 43.068</b>	<b>Voice Group Call Service (VGCS); Stage 2</b>								
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> GARAPATY, Sonia Nortel Networks (USA)					
	<i>freeze_meeting:</i>			MCC: JORGENSEN, Per Johan					
	<i>history (event, available, version, comments):</i>								
	NP-21	2003-10-08	6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i> .				

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<b>TS 43.129</b>	<b>Packed-switched handover for GERAN A/Gb mode; Stage 2</b>								
Rel-6	current version: 0.4.0	DRAFT	WG (prime / other):	G2 / -	rapporteur:	HEDBY, Gunnar	Telefon AB LM Ericsson		
	freeze_meeting:		G: yes	U:	MCC:	THOMASEN, Gert			
	history (event, available, version, comments):								
	GP-17	0 . 1 . 0			remarks - general:	WI UID = 51136.			
	G2-18b	2004-03-22 0 . 3 . 0	G2-040260		remarks - this release:	.			
	draft	2004-04-16 0 . 4 . 0			<a href="#">get it</a>				
					<a href="#">get it</a>				

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<b>TS 43.246</b>	<b>Multimedia Broadcast/Multicast Service (MBMS) in GERAN; Stage 2</b>								
Rel-6	current version: 0.6.0	DRAFT	WG (prime / other):	G2 /	rapporteur:	EDWIN, Diana	SIEMENS AG		
	freeze_meeting:		G:	U: yes	MCC:	THOMASEN, Gert			
	history (event, available, version, comments):								
	GP-13	0 . 1 . 0	GP-030181		remarks - general:	2003-05: G2 chair indicates that no separate stage 3 will be required, just changes to			
	GP-13b	0 . 2 . 0	G2-030227		remarks - this release:	. existing GERAN protocol specs.			
	GP-14	2003-05-02 0 . 2 . 1	GP-030726	Formal TS number allocated	<a href="#">get it</a>				
				on upload					
	draft	2003-06-17 0 . 4 . 1			<a href="#">get it</a>				
	GP-15	0 . 5 . 0	GP-031108						
	draft	2003-07-21 0 . 6 . 0			<a href="#">get it</a>				

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<b>TS 44.003</b>	<b>Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities</b>								
Rel-6	current version: 6.0.0		WG (prime / other):	G2 / -	rapporteur:	ANDERSEN, Niels Peter	MOTOROLA A/S		
	freeze_meeting:		G: yes	U:	MCC:	THOMASEN, Gert			
	history (event, available, version, comments):								
	GP-15	2003-07-10 6 . 0 . 0			<a href="#">get it</a>	remarks - general:			
						remarks - this release:	.		

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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Server location: [http://www.3gpp.org/ftp/Specs/archive/44\\_series](http://www.3gpp.org/ftp/Specs/archive/44_series)

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<b>TS 44.004</b>	<b>Layer 1 - General Requirements</b>					
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ISAACS, Ken	SIEMENS AG		
	<i>freeze_meeting:</i>	G: yes U:	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version, comments):</i>					
	GP-17 2003-12-05 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			
<hr/>						
<b>TS 44.005</b>	<b>Data Link (DL) Layer General Aspects</b>					
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S		
	<i>freeze_meeting:</i>	G: yes U:	<i>MCC:</i> THOMASEN, Gert	Skov		
	<i>history (event, available, version, comments):</i>					
	GP-18 2004-02-23 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			
<hr/>						
<b>TS 44.006</b>	<b>Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification</b>					
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S		
	<i>freeze_meeting:</i>	G: yes U:	<i>MCC:</i> THOMASEN, Gert	Skov		
	<i>history (event, available, version, comments):</i>					
	GP-18 2004-02-23 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			
<hr/>						
<b>TS 44.014</b>	<b>Individual equipment type requirements and interworking; Special conformance testing functions</b>					
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> HOWELL, Andrew	MOTOROLA Ltd		
	<i>freeze_meeting:</i>	G: yes U:	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version, comments):</i>					
	GP-16 2003-09-12 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 44.018</b>	<b>Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol</b>					
Rel-6	current version: 6.7.0	WG (prime / other):	G2 / -	rapporteur:	HOWELL, Andrew	MOTOROLA Ltd
	freeze_meeting:	G: yes U:		MCC:	THOMASEN, Gert	
	history (event, available, version, comments):					
	GP-12 2002-12-17	6 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	GP-13 2003-02-21	6 . 1 . 0	<a href="#">get it</a>	remarks - this release: .		
	GP-14 2003-04-28	6 . 2 . 0	<a href="#">get it</a>			
	GP-15 2003-07-10	6 . 3 . 0	<a href="#">get it</a>			
	GP-16 2003-09-12	6 . 4 . 0	<a href="#">get it</a>			problem with ToC
	Fix ToC 2003-09-26	6 . 4 . 1	<a href="#">get it</a>			
	GP-17 2003-12-05	6 . 5 . 0	<a href="#">get it</a>			
	GP-18 2004-02-23	6 . 6 . 0	<a href="#">get it</a>			
	GP-19 2004-05-06	6 . 7 . 0	<a href="#">get it</a>			

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<b>TS 44.031</b>	<b>Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)</b>					
Rel-6	current version: 6.3.0	WG (prime / other):	G2 / -	rapporteur:	GARAPATY, Sonia	Nortel Networks (USA)
	freeze_meeting:	G: yes U:		MCC:	THOMASEN, Gert	
	history (event, available, version, comments):					
	GP-15 2003-07-10	6 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	GP-16 2003-09-12	6 . 1 . 0	<a href="#">get it</a>	remarks - this release: .		
	GP-18 2004-02-23	6 . 2 . 0	<a href="#">get it</a>			
	GP-19 2004-05-06	6 . 3 . 0	<a href="#">get it</a>			

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<b>TS 44.060</b>	<b>General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol</b>					
Rel-6	current version: 6.7.0	WG (prime / other):	G2 /	rapporteur:	HOWELL, Andrew	MOTOROLA Ltd
	freeze_meeting:	G: yes U:		MCC:	THOMASEN, Gert	
	history (event, available, version, comments):					
	GP-12 2002-12-17	6 . 0 . 0	<a href="#">get it</a>	remarks - general:	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System	
	GP-13 2003-02-21	6 . 1 . 0	<a href="#">get it</a>	remarks - this release: .	(BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	
	GP-14 2003-04-29	6 . 2 . 0	<a href="#">get it</a>			
	GP-15 2003-07-10	6 . 3 . 0	<a href="#">get it</a>			
	GP-16 2003-09-13	6 . 4 . 0	<a href="#">get it</a>			
	GP-17 2003-12-05	6 . 5 . 0	<a href="#">get it</a>			
	GP-18 2004-02-23	6 . 6 . 0	<a href="#">get it</a>			
	GP-19 2004-05-06	6 . 7 . 0	<a href="#">get it</a>			

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 44.065</b>	<b>Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SDNCP)</b>				
Rel-6	<i>current version:</i> 6.2.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> DOIG, Ian	MOTOROLA S.A.S	
	<i>freeze_meeting:</i>	G: yes U:	MCC:	JORGENSEN, Per Johan	
	<i>history (event, available, version, comments):</i>				
	NP-20 2003-07-03 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	24.065 existed, but scrapped since 04.65 is GSM only.	
	NP-21 2003-10-10 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	.	
	NP-22 2004-01-08 6 . 2 . 0	<a href="#">get it</a>			

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<b>TS 44.068</b>	<b>Group Call Control (GCC) Protocol</b>				
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)	
	<i>freeze_meeting:</i>	G: yes U:	MCC:	JORGENSEN, Per Johan	
	<i>history (event, available, version, comments):</i>				
	NP-22 2004-01-08 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	.	
			<i>remarks - this release:</i>	.	

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<b>TS 44.118</b>	<b>Mobile radio interface layer 3 specification, Radio Resource Control (RRC) protocol; lu mode</b>				
Rel-6	<i>current version:</i> 6.2.0	<i>WG (prime / other):</i> G2 /	<i>rapporteur:</i> VIRTEJ, Iuliana	NOKIA Corporation	
	<i>freeze_meeting:</i>	G: yes U:	MCC:	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i>				
	GP-17 2003-12-05 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	.	
	GP-18 2004-02-23 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	.	
	GP-19 2004-05-06 6 . 2 . 0	<a href="#">get it</a>			

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<b>TS 44.160</b>	<b>General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol for lu mode</b>				
Rel-6	<i>current version:</i> 6.4.0	<i>WG (prime / other):</i> G2 /	<i>rapporteur:</i> N, A	Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i>	G: yes U:	MCC:	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i>				
	GP-15 2003-07-10 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Created GP-08; see GP-020483. 2002-07-18: G1->G2.	
	GP-16 2003-09-13 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	.	
	GP-17 2003-12-05 6 . 2 . 0	<a href="#">get it</a>			
	GP-18 2004-02-23 6 . 3 . 0	<a href="#">get it</a>			
	GP-19 2004-05-06 6 . 4 . 0	<a href="#">get it</a>			

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<b>TR 44.933</b>	<b>Seamless support of streaming services in GERAN A/Gb mode</b>						
Rel-6	current version: 1.3.0	DRAFT	WG (prime / other):	G2 / -	rapporteur:	GESSNER, Christina	SIEMENS AG
	freeze_meeting:		G: yes U:		MCC:	THOMASEN, Gert	
	history (event, available, version, comments):				remarks - general:	Work item = SSSstrea.	
	GP-12	0 . 1 . 0			remarks - this release:	.	
	G2-12b	0 . 2 . 0					
	GP-13	0 . 3 . 0					
	GP-14	0 . 4 . 0	GP-030654				
	G2-14b	2003-05-07 0 . 5 . 0	(TR number not shown on doc)	<a href="#">get it</a>			
	draft	2003-06-17 0 . 6 . 0		<a href="#">get it</a>			
	GP-15	2003-07-15 1 . 1 . 0		<a href="#">get it</a>			
	GP-16	2003-09-10 1 . 2 . 0		<a href="#">get it</a>			
	Update of section 6.5.3	2003-09-12 1 . 3 . 0		<a href="#">get it</a>			

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Rel-6 45 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/45\\_series](http://www.3gpp.org/ftp/Specs/archive/45_series)

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<b>TS 45.001</b>	<b>Physical layer on the radio path; General description</b>						
Rel-6	current version: 6.3.0		WG (prime / other):	G1 / -	rapporteur:	JOKINEN, Harri	NOKIA MOBILE PHONES
	freeze_meeting:		G: yes U:		MCC:	USAI, Paolino	
	history (event, available, version, comments):				remarks - general:	.	
	GP-12	2003-01-03 6 . 0 . 0		<a href="#">get it</a>	remarks - this release:	.	
	GP-14	2003-04-25 6 . 1 . 0		<a href="#">get it</a>			
	GP-17	2003-12-05 6 . 2 . 0		<a href="#">get it</a>			
	GP-18	2004-02-20 6 . 3 . 0		<a href="#">get it</a>			

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**TS 45.002 Multiplexing and multiple access on the radio path**

Rel-6 *current version:* 6.6.0

*freeze\_meeting:*

*history (event, available, version, comments):*

GP-13	2003-02-21	6	.	0	.	0
GP-14	2003-04-25	6	.	1	.	0
GP-15	2003-07-11	6	.	2	.	0
GP-16	2003-09-12	6	.	3	.	0
GP-17	2003-12-05	6	.	4	.	0
GP-18	2004-02-20	6	.	5	.	0
GP-19	2004-05-06	6	.	6	.	0

*WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist

*G: yes U:*

*MCC:* USAI, Paolino

NOKIA Corporation

[get it](#) *remarks - general:*

*remarks - this release:* .

[get it](#)

[get it](#)

[get it](#)

[get it](#)

[get it](#)

[get it](#)

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**TS 45.003 Channel coding**

Rel-6 *current version:* 6.3.0

*freeze\_meeting:*

*history (event, available, version, comments):*

GP-16	2003-09-12	6	.	0	.	0
GP-17	2003-12-05	6	.	1	.	0
GP-18	2004-02-20	6	.	2	.	0
GP-19	2004-05-06	6	.	3	.	0

*WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist

*G: yes U:*

*MCC:* USAI, Paolino

NOKIA Corporation

[get it](#) *remarks - general:*

*remarks - this release:* .

[get it](#)

[get it](#)

[get it](#)

[get it](#)

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**TS 45.005 Radio transmission and reception**

Rel-6 *current version:* 6.5.0

*freeze\_meeting:*

*history (event, available, version, comments):*

GP-12	2003-01-03	6	.	0	.	0
GP-13	2003-02-21	6	.	1	.	0
GP-14	2003-04-25	6	.	2	.	0
GP-16	2003-09-12	6	.	3	.	0
GP-18	2004-02-20	6	.	4	.	0
GP-19	2004-05-06	6	.	5	.	0

*WG (prime / other):* G1 / - *rapporteur:* SAMUELSSON, Mats

*G: yes U:*

*MCC:* USAI, Paolino

Telefon AB LM Ericsson

[get it](#) *remarks - general:*

*remarks - this release:* .

[get it](#)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 45.008</b>	<b>Radio subsystem link control</b>					
Rel-6	<i>current version:</i> 6.7.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> EL-SAIGH, Amer	VODAFONE Group Plc		
	<i>freeze_meeting:</i>	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	GP-12 2003-01-03 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	GP-13 2003-02-21 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	GP-14 2003-04-25 6 . 2 . 0	<a href="#">get it</a>				
	GP-15 2003-07-11 6 . 3 . 0	<a href="#">get it</a>				
	GP-16 2003-09-12 6 . 4 . 0	<a href="#">get it</a>				
	GP-17 2003-12-05 6 . 5 . 0	<a href="#">get it</a>				
	GP-18 2004-02-20 6 . 6 . 0	<a href="#">get it</a>				
	GP-19 2004-05-06 6 . 7 . 0	<a href="#">get it</a>				

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<b>TS 45.009</b>	<b>Link adaptation</b>					
Rel-6	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S		
	<i>freeze_meeting:</i>	G: yes U:	<i>MCC:</i> USAI, Paolino	Skov		
	<i>history (event, available, version, comments):</i>					
	GP-17 2003-12-05 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	GP-18 2004-02-20 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			

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<b>TS 45.010</b>	<b>Radio subsystem synchronization</b>					
Rel-6	<i>current version:</i> 6.2.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> JOKINEN, Harri	NOKIA MOBILE PHONES		
	<i>freeze_meeting:</i>	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	GP-14 2003-04-25 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	GP-15 2003-07-11 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	GP-16 2003-09-12 6 . 2 . 0	<a href="#">get it</a>				

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<b>TR 45.050</b>	<b>Background for RF Requirements</b>					
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S		
	<i>freeze_meeting:</i>	G: yes U:	<i>MCC:</i> USAI, Paolino	Skov		
	<i>history (event, available, version, comments):</i>					
	GP-12 2003-01-03 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			

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## TR 45.811 Uplink - Time Difference Of Arrival (U-TDOA) in GSM and GPRS

Rel-6 *current version:* 6.0.0 *WG (prime / other):* G1 / *rapporteur:* GROSS, Robert TruePosition Inc.  
*freeze\_meeting:* *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
GP-10 2002-07-19 6 . 0 . 0 [get it](#) *remarks - general:* Renumbered from 41.811.  
*remarks - this release:* Renumbered from 41.811.

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## TR 45.902 Flexible layer 1

Rel-6 *current version:* 6.5.0 *WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist NOKIA Corporation  
*freeze\_meeting:* *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
draft 0 . 0 . 0 *remarks - general:*  
GP-12 2002-11-26 0 . 3 . 0 GP-023427 [get it](#) *remarks - this release:* .  
GP-13 2003-02-13 0 . 4 . 0 GP 030193 [get it](#)  
GP-13 2003-02-13 1 . 0 . 0 [get it](#)  
GP-14 2003-04-25 6 . 0 . 0 [get it](#)  
GP-15 2003-07-11 6 . 1 . 0 [get it](#)  
GP-16 2003-09-12 6 . 2 . 0 [get it](#)  
GP-17 2003-12-05 6 . 3 . 0 [get it](#)  
GP-18 2004-02-20 6 . 4 . 0 [get it](#)  
GP-19 2004-05-06 6 . 5 . 0 [get it](#)

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Rel-6 48 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/48\\_series](http://www.3gpp.org/ftp/Specs/archive/48_series)

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## TS 48.008 Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification

Rel-6 *current version:* 6.5.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* *G: yes U:* *MCC:* Skov THOMASEN, Gert  
*history (event, available, version, comments):*  
GP-12 2002-12-17 6 . 0 . 0 [get it](#) *remarks - general:*  
GP-13 2003-02-21 6 . 1 . 0 [get it](#) *remarks - this release:* .  
GP-15 2003-07-10 6 . 2 . 0 [get it](#)  
GP-16 2003-09-12 6 . 3 . 0 [get it](#)  
GP-17 2003-12-05 6 . 4 . 0 [get it](#)  
GP-19 2004-05-06 6 . 5 . 0 [get it](#)

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 48.018</b>	<b>General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol</b>				
Rel-6	current version: 6.5.0	WG (prime / other):	G2 / -	rapporteur:	BLACK, Jyoti MOTOROLA
	freeze_meeting:	G: yes	U:	MCC:	THOMASEN, Gert
	history (event, available, version, comments):				
	GP-13 2003-02-21 6 . 0 . 0	<a href="#">get it</a>		remarks - general:	
	GP-14 2003-04-29 6 . 1 . 0	<a href="#">get it</a>		remarks - this release: .	
	GP-15 2003-07-10 6 . 2 . 0	<a href="#">get it</a>			
	GP-17 2003-12-05 6 . 3 . 0	<a href="#">get it</a>			
	GP-18 2004-02-23 6 . 4 . 0	<a href="#">get it</a>			
	GP-19 2004-05-06 6 . 5 . 0	<a href="#">get it</a>			

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<b>TS 48.058</b>	<b>Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification</b>				
Rel-6	current version: 6.0.0	WG (prime / other):	G2 / -	rapporteur:	ANDERSEN, Niels Peter MOTOROLA A/S
	freeze_meeting:	G: yes	U:	MCC:	Skov THOMASEN, Gert
	history (event, available, version, comments):				
	GP-16 2003-09-12 6 . 0 . 0	<a href="#">get it</a>		remarks - general:	
				remarks - this release: .	

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<b>TS 48.071</b>	<b>Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification</b>				
Rel-6	current version: 6.5.0	WG (prime / other):	G2 / -	rapporteur:	ANDERSEN, Niels Peter MOTOROLA A/S
	freeze_meeting:	G: yes	U:	MCC:	Skov THOMASEN, Gert
	history (event, available, version, comments):				
	GP-14 2003-04-29 6 . 0 . 0	<a href="#">get it</a>		remarks - general:	
	GP-15 2003-07-10 6 . 1 . 0	<a href="#">get it</a>		remarks - this release: .	
	GP-16 2003-09-12 6 . 2 . 0	<a href="#">get it</a>			
	GP-17 2003-12-05 6 . 3 . 0	<a href="#">get it</a>			
	GP-18 2004-02-23 6 . 4 . 0	<a href="#">get it</a>			
	GP-19 2004-05-06 6 . 5 . 0	<a href="#">get it</a>			

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Rel-6 49 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/49\\_series](http://www.3gpp.org/ftp/Specs/archive/49_series)

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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ACTIVE specs Rel-6 49 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/49\\_series](http://www.3gpp.org/ftp/Specs/archive/49_series)

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**TS 49.031 Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)**  
Rel-6 *current version:* 6.3.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* G: yes U: *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
GP-15 2003-07-10 6 . 0 . 0 [get it](#) *remarks - general:*  
GP-17 2003-12-05 6 . 1 . 0 [get it](#) *remarks - this release:* .  
GP-18 2004-02-23 6 . 2 . 0 [get it](#)  
GP-19 2004-05-06 6 . 3 . 0 [get it](#)

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Rel-6 **50** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/50\\_series](http://www.3gpp.org/ftp/Specs/archive/50_series)

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**TR 50.099 GERAN project plan and open issues**  
Rel-6 *current version:* 0.1.6 DRAFT *WG (prime / other):* GP / - *rapporteur:* GRANT, Marc Cingular Wireless LLC  
*freeze\_meeting:* G: yes U: *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
draft 2002-03-20 0 . 1 . 6 ex-Rel-5. [get it](#) *remarks - general:* 2002-01-23: Usai indicates "stopped". GP-08: But it won't lie down. Resuscitate as  
*remarks - this release:* 2003-01-14: Fel-5 frozen, so migrated to Rel-6. Rel-5. GP-12: Rel-5 frozen, so draft  
moved to Rel-6.

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Rel-6 **51** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/51\\_series](http://www.3gpp.org/ftp/Specs/archive/51_series)

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**TS 51.021 GSM radio aspects base station system equipment specification**  
Rel-6 *current version:* 6.1.0 *WG (prime / other):* G1 / - *rapporteur:* BUSIN, Ake Telefon AB LM Ericsson  
*freeze\_meeting:* G: yes U: *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
GP-13 2003-02-21 6 . 0 . 0 [get it](#) *remarks - general:*  
GP-15 2003-07-11 6 . 1 . 0 [get it](#) *remarks - this release:* .

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Server location: [http://www.3gpp.org/ftp/Specs/archive/52\\_series](http://www.3gpp.org/ftp/Specs/archive/52_series)

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Rel-6 **52** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/52\\_series](http://www.3gpp.org/ftp/Specs/archive/52_series)

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**TS 52.008 Telecommunication management; GSM subscriber and equipment trace**

Rel-6 *current version:* 0.1.2 DRAFT *WG (prime / other):* S5 / - *rapporteur:* RONKA, Kari NOKIA Corporation  
*freeze\_meeting:* G: yes U: *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*  
draft 2003-07-15 0 . 1 . 2 [get it](#) *remarks - general:*  
*remarks - this release:* .

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Rel-6 **55** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/55\\_series](http://www.3gpp.org/ftp/Specs/archive/55_series)

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**TS 55.205 Specification of the GSM-MILENAGE algorithms: An example algorithm set for the GSM Authentication and Key Generation Functions A3 and A8**

Rel-6 *current version:* 6.1.0 *WG (prime / other):* S3 / - *rapporteur:* WALKER, Michael VODAFONE Group Plc  
*freeze\_meeting:* G: yes U: *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
S3-26 0 . 1 . 0 S3-020675 *remarks - general:* Not subject to export control.  
SP-18 2003-01-16 1 . 0 . 0 SP-020724 [get it](#) *remarks - this release:* .  
SP-18 2002-12-18 6 . 0 . 0 [get it](#)  
SP-22 2004-01-08 6 . 1 . 0 [get it](#)

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**TS 55.216 Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 1: A5/3 and GEA3 specification**

Rel-6 *current version:* 6.2.0 *WG (prime / other):* S3 / *rapporteur:* N, A Indicate persons who left Company and wait for new One  
*freeze\_meeting:* G: yes U: *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
SP-17 2002-07-22 1 . 0 . 0 SP-020506 pars for approval [get it](#) *remarks - general:* 2003-09-30: Note: document only available with French export licence.  
SP-17 2002-09-18 6 . 0 . 0 [get it](#) *remarks - this release:* .  
SP-18 2002-12-18 6 . 1 . 0 [get it](#)  
SP-21 2003-09-30 6 . 2 . 0 [get it](#)

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ACTIVE specs Rel-6 55 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/55\\_series](http://www.3gpp.org/ftp/Specs/archive/55_series)

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<b>TS 55.217</b>	<b>Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 2: Implementors' test data</b>
Rel-6	<i>current version:</i> 6.1.0
	<i>freeze_meeting:</i>
	<i>WG (prime / other):</i> S3 / <i>rapporteur:</i> N, A
	Indicate persons who left Company and wait for new One
	<i>G:</i> yes <i>U:</i> <i>MCC:</i> POPE, Maurice
<i>history (event, available, version, comments):</i>	
	SP-17 2002-07-22 1 . 0 . 0 SP-020506 pars for approval <a href="#">get it</a> <i>remarks - general:</i> 2003-09-30: Note: document only available with French export licence.
	SP-17 2002-09-18 6 . 0 . 0 <a href="#">get it</a> <i>remarks - this release:</i> .
	SP-18 2002-12-18 6 . 1 . 0 <a href="#">get it</a>

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<b>TS 55.218</b>	<b>Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 3: Design and conformance test data</b>
Rel-6	<i>current version:</i> 6.1.0
	<i>freeze_meeting:</i>
	<i>WG (prime / other):</i> S3 / <i>rapporteur:</i> N, A
	Indicate persons who left Company and wait for new One
	<i>G:</i> yes <i>U:</i> <i>MCC:</i> POPE, Maurice
<i>history (event, available, version, comments):</i>	
	SP-17 2002-07-22 1 . 0 . 0 SP-020506 pars for approval <a href="#">get it</a> <i>remarks - general:</i> 2003-09-30: Note: document only available with French export licence.
	SP-17 2002-09-18 6 . 0 . 0 <a href="#">get it</a> <i>remarks - this release:</i> .
	SP-18 2002-12-18 6 . 1 . 0 <a href="#">get it</a>

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<b>TS 55.226</b>	<b>Specification of the A5/4 encryption algorithms for GSM and ECSD, and the GEA4 encryption algorithm for GPRS; Document 1: A5/4 and GEA4 specification</b>
Rel-6	<i>current version:</i> 1.0.0
	DRAFT
	<i>freeze_meeting:</i>
	<i>WG (prime / other):</i> S3 / <i>rapporteur:</i> CHRISTOFFERSSON, PerTeliaSonera AB
	<i>G:</i> yes <i>U:</i> <i>MCC:</i> POPE, Maurice
<i>history (event, available, version, comments):</i>	
	draft 0 . 1 . 0 <i>remarks - general:</i> Work item UID = 1571 (SEC1)
	SP-23 2004-03-22 1 . 0 . 0 SP-040170 - draft not available on specs <a href="#">get it</a> <i>remarks - this release:</i> SP-23: likely that this will -> Rel-7
	server due to French export control restrictions

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<b>TR 55.919</b>	<b>Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 4: Design and evaluation report</b>
Rel-6	<i>current version:</i> 6.1.0
	<i>freeze_meeting:</i>
	<i>WG (prime / other):</i> S3 / <i>rapporteur:</i> N, A
	Indicate persons who left Company and wait for new One
	<i>G:</i> yes <i>U:</i> <i>MCC:</i> POPE, Maurice
<i>history (event, available, version, comments):</i>	
	SP-17 2002-07-22 1 . 0 . 0 SP-020506 pars for approval <a href="#">get it</a> <i>remarks - general:</i> 2003-09-30: Note: document only available with French export licence.
	SP-17 2002-09-18 6 . 0 . 0 <a href="#">get it</a> <i>remarks - this release:</i> .
	SP-18 2002-12-18 6 . 1 . 0 <a href="#">get it</a>

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## Rel-5

Rel-5 21 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/21\\_series](http://www.3gpp.org/ftp/Specs/archive/21_series)

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<b>TS 21.101</b>	<b>Technical Specifications and Technical Reports for a UTRAN-based 3GPP system</b>						
Rel-5	<i>current version:</i> 5.6.0	<i>WG (prime / other):</i>	SP / -	<i>rapporteur:</i>	MEREDITH, John M	ETSI Secretariat	
	<i>freeze_meeting:</i> SP-20	<i>G:</i>	U: yes	<i>MCC:</i>	POPE, Maurice		
	<i>history (event, available, version, comments):</i>						
	SP-20	2003-06-25	5 . 4 . 0	Created from 21.103 v5.4.0	<a href="#">get it</a>	<i>remarks - general:</i>	2003-05: Title changed from "3rd Generation mobile system Release 1999
	SP-22	2004-01-15	5 . 5 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	. Specifications".
	SP-23	2004-04-02	5 . 6 . 0		<a href="#">get it</a>		
<hr/>							
<b>TS 21.111</b>	<b>USIM and IC card requirements</b>						
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i>	T3 / -	<i>rapporteur:</i>	KALINER, Stefan	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> TP-16	<i>G:</i>	U: yes	<i>MCC:</i>	JURISIC, Andrijana		
	<i>history (event, available, version, comments):</i>						
	TP-16	2002-06-19	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	TP-17	2002-09-18	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	.
<hr/>							
<b>TR 21.801</b>	<b>Specification drafting rules</b>						
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i>	SP / -	<i>rapporteur:</i>	MEREDITH, John M	ETSI Secretariat	
	<i>freeze_meeting:</i> SP-15	<i>G:</i> yes	<i>U:</i> yes	<i>MCC:</i>	POPE, Maurice		
	<i>history (event, available, version, comments):</i>						
	SP-16	2002-06-24	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	edito	2002-07-19	5 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>	.
	edito	2003-05-15	5 . 0 . 2		<a href="#">get it</a>		
	SP-23	2004-04-02	5 . 1 . 0		<a href="#">get it</a>		

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**TR 21.900 Technical Specification Group working methods**  
Rel-5 *current version:* 5.1.0 *WG (prime / other):* SP / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
*freeze\_meeting:* SP-15 *G:* yes *U:* yes *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
SP-16 2002-06-24 5 . 0 . 0 [get it](#) *remarks - general:*  
edito post SP-17 2002-09-18 5 . 0 . 1 corrects Release id on cover page [get it](#) *remarks - this release:* SP-22: Fron now on, is null document pointing to equivalent in latest Release.  
SP-22 2004-01-14 5 . 1 . 0 [get it](#)

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**TR 21.905 Vocabulary for 3GPP Specifications**  
Rel-5 *current version:* 5.8.0 *WG (prime / other):* S1 / - *rapporteur:* ZARRI, Michele T-Mobile (UK) Ltd  
*freeze\_meeting:* SP-15 *G:* *U:* yes *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
SP-12 2001-06-27 5 . 0 . 0 [get it](#) *remarks - general:*  
SP-13 2001-10-05 5 . 1 . 0 [get it](#) *remarks - this release:* .  
SP-14 2002-01-10 5 . 2 . 0 [get it](#)  
SP-15 2002-03-25 5 . 3 . 0 [get it](#)  
SP-16 2002-07-04 5 . 4 . 0 [get it](#)  
SP-17 2002-09-16 5 . 5 . 0 [get it](#)  
SP-19 2003-03-25 5 . 6 . 0 [get it](#)  
SP-20 2003-06-18 5 . 7 . 0 [get it](#)  
SP-21 2003-09-30 5 . 8 . 0 [get it](#)

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Rel-5 **22** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

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**TS 22.001 Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)**  
Rel-5 *current version:* 5.0.0 *WG (prime / other):* S1 / - *rapporteur:* KOKKOLA, Tommi NOKIA Corporation  
*freeze\_meeting:* SP-16 *G:* yes *U:* yes *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
SP-16 2002-07-19 5 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#5  
*remarks - this release:* .

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<b>TS 22.002</b>	<b>Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)</b>						
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i> CARPENTER, Paul	Research In Motion Limited		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes		<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>						
	SP-16 2002-07-04 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4		
					<i>remarks - this release:</i> .		
<hr/>							
<b>TS 22.003</b>	<b>Circuit Teleservices supported by a Public Land Mobile Network (PLMN)</b>						
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i> KOKKOLA, Tommi	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-15	G: yes U: yes		<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>						
	SP-14 2002-01-10 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#5		
	SP-15 2002-03-25 5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> .		
	SP-16 2002-07-04 5 . 2 . 0			<a href="#">get it</a>			
<hr/>							
<b>TS 22.004</b>	<b>General on supplementary services</b>						
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i> CARPENTER, Paul	Research In Motion Limited		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes		<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>						
	SP-16 2002-07-19 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4		
					<i>remarks - this release:</i> .		
<hr/>							
<b>TS 22.011</b>	<b>Service accessibility</b>						
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i> IBIDUN, Kunle	ORANGE PCS LTD		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes		<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>						
	SP-16 2002-07-19 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4		
	SP-17 2002-09-17 5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> .		
<hr/>							
<b>TS 22.016</b>	<b>International Mobile Equipment Identities (IMEI)</b>						
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i> KOKKOLA, Tommi	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes		<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>						
	SP-16 2002-07-19 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4		
					<i>remarks - this release:</i> .		

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<b>TS 22.022</b>	<b>Personalisation of Mobile Equipment (ME); Mobile functionality specification</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S3 / -	<i>rapporteur:</i>	NGUYEN NGOC, Sebastien	France Telecom			
	<i>freeze_meeting:</i> SP-17								
	<i>history (event, available, version, comments):</i>	G: yes	U: yes	<i>MCC:</i>	POPE, Maurice				
	SP-17 2002-09-18 5 . 0 . 0	identical to 4.1.0.	<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4				
				<i>remarks - this release:</i>	.				
<hr/>									
<b>TS 22.024</b>	<b>Description of Charge Advice Information (CAI)</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	DEOL, Amar	Nortel Networks (USA)			
	<i>freeze_meeting:</i> SP-16	<i>G: yes</i>	<i>U: yes</i>	<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-16 2002-07-19 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4,CR at TSG#5				
				<i>remarks - this release:</i>	.				
<hr/>									
<b>TS 22.030</b>	<b>Man-Machine Interface (MMI) of the User Equipment (UE)</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	IGNATIUS, Jan	NOKIA Corporation			
	<i>freeze_meeting:</i> SP-16	<i>G: yes</i>	<i>U: yes</i>	<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-16 2002-07-19 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4				
				<i>remarks - this release:</i>	.				
<hr/>									
<b>TS 22.031</b>	<b>Fraud Information Gathering System (FIGS); Service description; Stage 1</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S3 /	<i>rapporteur:</i>	WRIGHT, Tim	Indicate persons who left Company and wait for new One			
	<i>freeze_meeting:</i> SP-18								
	<i>history (event, available, version, comments):</i>	<i>G: yes</i>	<i>U: yes</i>	<i>MCC:</i>	POPE, Maurice				
	SP-18 2003-01-06 5 . 0 . 0	Technically identical to 43.031 v5.0.0.	<a href="#">get it</a>	<i>remarks - general:</i>	SP-18: decided FIGS is joint GERAN/UTRAN so 02.31 R99 and 42.031 Rel-4 & Rel-5 ->				
				<i>remarks - this release:</i>	Created from 42.031 Rel-5. 22.031.				
<hr/>									
<b>TS 22.032</b>	<b>Immediate Service Termination (IST); Service description; Stage 1</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S3 /	<i>rapporteur:</i>	WRIGHT, Tim	Indicate persons who left Company and wait for new One			
	<i>freeze_meeting:</i> SP-16								
	<i>history (event, available, version, comments):</i>	<i>G: yes</i>	<i>U: yes</i>	<i>MCC:</i>	POPE, Maurice				
	SP-16 2002-06-24 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards).				
				<i>remarks - this release:</i>	.				

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<b>TS 22.034</b>	<b>High Speed Circuit Switched Data (HSCSD); Stage 1</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> KOKKOLA, Tommi	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-07-19 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
			<i>remarks - this release:</i> .			
<hr/>						
<b>TS 22.038</b>	<b>USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1</b>					
Rel-5	<i>current version:</i> 5.4.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CARPENTER, Paul	Research In Motion Limited		
	<i>freeze_meeting:</i> SP-15	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	SP-09 2000-10-18 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-10 2001-01-08 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	SP-12 2001-06-27 5 . 2 . 0	<a href="#">get it</a>				
	SP-20 2003-06-18 5 . 3 . 0	<a href="#">get it</a>				
	SP-22 2004-01-06 5 . 4 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 22.041</b>	<b>Operator Determined Call Barring</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> WATSON, John	VODAFONE Group Plc		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-07-19 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
			<i>remarks - this release:</i> .			
<hr/>						
<b>TS 22.042</b>	<b>Network Identity and Time Zone (NITZ) service description; Stage 1</b>					
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-07-19 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-20 2003-06-18 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
<hr/>						
<b>TS 22.048</b>	<b>Security mechanisms for the (U)SIM application toolkit; Stage 1</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> T3 / S3	<i>rapporteur:</i> BARNES, Nigel	MOTOROLA Ltd		
	<i>freeze_meeting:</i> TP-20	G: yes U: yes	<i>MCC:</i> JURISIC, Andrijana			
	<i>history (event, available, version, comments):</i>					
	TP-20 2003-06-23 5 . 0 . 0 technically identical to v4.0.0	<a href="#">get it</a>	<i>remarks - general:</i> TP-12: was previously 42.048.			
			<i>remarks - this release:</i> .			

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<b>TS 22.053</b>	<b>Tandem Free Operation (TFO); Service description; Stage 1</b>						
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	NAVARRO, William	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> SP-16	<i>G: yes U: yes</i>		<i>MCC:</i>	USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	SP-16 2002-06-28 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4.		
					<i>remarks - this release:</i> .		
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<b>TS 22.057</b>	<b>Mobile Execution Environment (MExE) service description; Stage 1</b>						
Rel-5	<i>current version:</i> 5.4.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	CLAYTON, Michael	EMCOM Ltd	
	<i>freeze_meeting:</i> SP-15	<i>G: yes U: yes</i>		<i>MCC:</i>	CLAYTON, Michael		
	<i>history (event, available, version, comments):</i>						
	SP-09 2000-10-18 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution		
	SP-11 2001-04-02 5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> Environment (MExE); Stage 1".		
	SP-13 2001-10-05 5 . 2 . 0			<a href="#">get it</a>			
	SP-15 2002-03-25 5 . 3 . 0			<a href="#">get it</a>			
	edito post SP-15 2002-04-04 5 . 3 . 1			<a href="#">get it</a>			
	SP-16 2002-07-04 5 . 4 . 0			<a href="#">get it</a>			
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<b>TS 22.060</b>	<b>General Packet Radio Service (GPRS); Service description; Stage 1</b>						
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	CARPENTER, Paul	Research In Motion Limited	
	<i>freeze_meeting:</i> SP-15	<i>G: yes U: yes</i>		<i>MCC:</i>	CLAYTON, Michael		
	<i>history (event, available, version, comments):</i>						
	SP-13 2001-10-05 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4		
	SP-15 2002-03-25 5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> .		
	SP-16 2002-07-04 5 . 2 . 0			<a href="#">get it</a>			
	SP-19 2003-03-25 5 . 3 . 0			<a href="#">get it</a>			
<hr/>							
<b>TS 22.066</b>	<b>Support of Mobile Number Portability (MNP); Stage 1</b>						
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	CLAYTON, Michael	EMCOM Ltd	
	<i>freeze_meeting:</i> SP-16	<i>G: yes U: yes</i>		<i>MCC:</i>	CLAYTON, Michael		
	<i>history (event, available, version, comments):</i>						
	SP-16 2002-07-19 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4		
	SP-20 2003-06-18 5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> .		

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<b>TS 22.067</b>	<b>enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	SWETINA, Joerg	SIEMENS AG			
	<i>freeze_meeting:</i> SP-16	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-16 2002-07-19 5 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	Transfer>TSG#4				
				<i>remarks - this release:</i>	.				
<hr/>									
<b>TS 22.071</b>	<b>Location Services (LCS); Stage 1</b>								
Rel-5	<i>current version:</i> 5.4.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	DEOL, Amar	Nortel Networks (USA)			
	<i>freeze_meeting:</i> SP-15	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-14 2002-01-10 5 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	Transfer>TSG#4				
	SP-15 2002-03-25 5 . 1 . 0	<a href="#">get it</a>		<i>remarks - this release:</i>	.				
edito post	SP-15 2002-04-04 5 . 1 . 1	<a href="#">get it</a>							
	SP-21 2003-09-30 5 . 2 . 0	<a href="#">get it</a>							
	SP-22 2004-01-06 5 . 3 . 0	<a href="#">get it</a>							
	SP-23 2004-03-23 5 . 4 . 0	<a href="#">get it</a>							
<hr/>									
<b>TS 22.072</b>	<b>Call Deflection (CD); Stage 1</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	HECHWARTNER, Roland T-Mobile AUSTRIA GmbH				
	<i>freeze_meeting:</i> SP-16	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-16 2002-07-19 5 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	Transfer>TSG#4				
				<i>remarks - this release:</i>	.				
<hr/>									
<b>TS 22.076</b>	<b>Noise suppression for the AMR codec; Service description; Stage 1</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	USAI, Paolino	TELECOM ITALIA S.p.A.			
	<i>freeze_meeting:</i> SP-16	G: yes U: yes		<i>MCC:</i>	USAI, Paolino				
	<i>history (event, available, version, comments):</i>								
	SP-16 2002-06-28 5 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>					
				<i>remarks - this release:</i>	.				

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<b>TS 22.078</b>	<b>Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1</b>					
Rel-5	<i>current version:</i> 5.13.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> GRECH, Michel	Lucent Technologies Network Systems UK		
	<i>freeze_meeting:</i> SP-15	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
<i>history (event, available, version, comments):</i>						
	SP-09	2000-11-09	5 . 0 . 0	unclear how to implement CR	<a href="#">get it</a>	<i>remarks - general:</i>
	SP-10	2001-01-08	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>
	SP-11	2001-04-02	5 . 2 . 0		<a href="#">get it</a>	
	SP-12	2001-06-27	5 . 3 . 0		<a href="#">get it</a>	
	SP-13	2001-10-05	5 . 4 . 0		<a href="#">get it</a>	
	SP-14	2002-01-10	5 . 5 . 0		<a href="#">get it</a>	
	SP-15	2002-03-25	5 . 6 . 0		<a href="#">get it</a>	
	SP-16	2002-07-04	5 . 7 . 0		<a href="#">get it</a>	
	SP-17	2002-09-17	5 . 8 . 0		<a href="#">get it</a>	
	SP-18	2002-12-18	5 . 9 . 0		<a href="#">get it</a>	
	edito (fix missing headers/footers)	2003-01-07	5 . 9 . 1		<a href="#">get it</a>	
	SP-19	2003-03-25	5 . 10 . 0		<a href="#">get it</a>	
	SP-21	2003-09-30	5 . 11 . 0		<a href="#">get it</a>	
	SP-22	2004-01-06	5 . 12 . 0		<a href="#">get it</a>	
	SP-23	2004-03-23	5 . 13 . 0		<a href="#">get it</a>	

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<b>TS 22.079</b>	<b>Support of optimal routing; Stage 1</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
<i>history (event, available, version, comments):</i>						
	SP-16	2002-07-19	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4
						<i>remarks - this release:</i> .

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<b>TS 22.081</b>	<b>Line Identification supplementary services; Stage 1</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> BLOMSTRAND, Ola	TeliaSonera AB		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
<i>history (event, available, version, comments):</i>						
	SP-16	2002-07-19	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4
						<i>remarks - this release:</i> .

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<b>TS 22.082</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 1</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	IBIDUN, Kunle	ORANGE PCS LTD
	<i>freeze_meeting:</i> SP-16	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-07-19 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
					<i>remarks - this release:</i> .	
<hr/>						
<b>TS 22.083</b>	<b>Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	CLAYTON, Michael	EMCOM Ltd
	<i>freeze_meeting:</i> SP-16	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-07-19 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
					<i>remarks - this release:</i> .	
<hr/>						
<b>TS 22.084</b>	<b>MultiParty (MPY) supplementary service; Stage 1</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	SWETINA, Joerg	SIEMENS AG
	<i>freeze_meeting:</i> SP-16	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-07-19 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
					<i>remarks - this release:</i> .	
<hr/>						
<b>TS 22.085</b>	<b>Closed User Group (CUG) supplementary services; Stage 1</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	BLOMSTRAND, Ola	TeliaSonera AB
	<i>freeze_meeting:</i> SP-16	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-07-19 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
					<i>remarks - this release:</i> .	
<hr/>						
<b>TS 22.086</b>	<b>Advice of Charge (AoC) supplementary services; Stage 1</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	DEOL, Amar	Nortel Networks (USA)
	<i>freeze_meeting:</i> SP-16	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-07-19 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
					<i>remarks - this release:</i> .	

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<b>TS 22.087</b>	<b>User-to-user signalling (UUS); Stage 1</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	ACHTER, Johannes	T-Mobile AUSTRIA GmbH
	<i>freeze_meeting:</i> SP-16	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-07-19 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
					<i>remarks - this release:</i> .	
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<b>TS 22.088</b>	<b>Call Barring (CB) supplementary services; Stage 1</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	ACHTER, Johannes	T-Mobile AUSTRIA GmbH
	<i>freeze_meeting:</i> SP-16	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-07-19 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
					<i>remarks - this release:</i> .	
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<b>TS 22.090</b>	<b>Unstructured Supplementary Service Data (USSD); Stage 1</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	IGNATIUS, Jan	NOKIA Corporation
	<i>freeze_meeting:</i> SP-16	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-07-19 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
					<i>remarks - this release:</i> .	
<hr/>						
<b>TS 22.091</b>	<b>Explicit Call Transfer (ECT) supplementary service; Stage 1</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	SWETINA, Joerg	SIEMENS AG
	<i>freeze_meeting:</i> SP-16	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-07-19 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
					<i>remarks - this release:</i> .	
<hr/>						
<b>TS 22.093</b>	<b>Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	CLAYTON, Michael	EMCOM Ltd
	<i>freeze_meeting:</i> SP-16	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-07-19 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
					<i>remarks - this release:</i> .	

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<b>TS 22.094</b>	<b>Follow Me service description - Stage 1</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> HECHWARTNER, RolandT-Mobile AUSTRIA GmbH		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version, comments):</i> SP-16 2002-07-19 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4. GSM only @TSG#5 2003-07-21 (Clayton): S1 have decided to scrap		
			<i>remarks - this release:</i> . 02,94 R99 in favour of a common GSM/UMTS spec, 22.094.		
<hr/>					
<b>TS 22.096</b>	<b>Name identification supplementary services; Stage 1</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> DEOL, Amar Nortel Networks (USA)		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version, comments):</i> SP-16 2002-07-19 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4		
			<i>remarks - this release:</i> .		
<hr/>					
<b>TS 22.097</b>	<b>Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> DEOL, Amar Nortel Networks (USA)		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version, comments):</i> SP-16 2002-07-19 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4		
			<i>remarks - this release:</i> .		

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<b>TS 22.101</b>	<b>Service aspects; Service principles</b>						
Rel-5	<i>current version:</i> 5.13.0		<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> DEOL, Amar		Nortel Networks (USA)	
	<i>freeze_meeting:</i> SP-15		<i>G:</i> U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>						
	SP-09 2000-10-18	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-10 2001-01-08	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-11 2001-04-02	5 . 2 . 0		<a href="#">get it</a>			
	SP-12 2001-06-27	5 . 3 . 0		<a href="#">get it</a>			
	SP-13 2001-10-05	5 . 4 . 0		<a href="#">get it</a>			
	SP-15 2002-03-25	5 . 5 . 0		<a href="#">get it</a>			
	SP-16 2002-07-04	5 . 6 . 0		<a href="#">get it</a>			
	SP-17 2002-09-17	5 . 7 . 0		<a href="#">get it</a>			
	SP-18 2002-12-18	5 . 8 . 0		<a href="#">get it</a>			
	SP-19 2003-03-25	5 . 9 . 0		<a href="#">get it</a>			
	SP-20 2003-06-18	5 . 10 . 0		<a href="#">get it</a>			
	SP-21 2003-09-30	5 . 11 . 0		<a href="#">get it</a>			
	SP-22 2004-01-06	5 . 12 . 0		<a href="#">get it</a>			
	SP-23 2004-03-23	5 . 13 . 0		<a href="#">get it</a>			

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<b>TS 22.105</b>	<b>Services and service capabilities</b>						
Rel-5	<i>current version:</i> 5.2.0		<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> ZARRI, Michele		T-Mobile (UK) Ltd	
	<i>freeze_meeting:</i> SP-15		<i>G:</i> U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>						
	SP-13 2001-10-05	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-15 2002-03-25	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .		
	SP-16 2002-07-04	5 . 2 . 0		<a href="#">get it</a>			

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<b>TS 22.112</b>	<b>USIM toolkit interpreter; Stage 1</b>						
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> MEYER, Michael		GIESECKE & DEVRIENT GmbH	
	<i>freeze_meeting:</i> TP-15		<i>G:</i> U: yes	<i>MCC:</i> JURISIC, Andrijana			
	<i>history (event, available, version, comments):</i>						
	TP-13 2001-10-12	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
					<i>remarks - this release:</i> .		

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<b>TS 22.115</b>	<b>Service Aspects Charging and billing</b>						
Rel-5	<i>current version:</i> 5.4.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	SCARRONE, Enrico	TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> SP-15	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael		
	<i>history (event, available, version, comments):</i>						
	SP-11 2001-04-02 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-12 2001-06-27 5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-15 2002-03-28 5 . 2 . 0			<a href="#">get it</a>			
	SP-20 2003-06-18 5 . 3 . 0			<a href="#">get it</a>			
	SP-22 2004-01-06 5 . 4 . 0			<a href="#">get it</a>			
<hr/>							
<b>TR 22.121</b>	<b>Service aspects; The Virtual Home Environment; Stage 1</b>						
Rel-5	<i>current version:</i> 5.3.1	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	ZARRI, Michele	T-Mobile (UK) Ltd	
	<i>freeze_meeting:</i> SP-15	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael		
	<i>history (event, available, version, comments):</i>						
	SP-11 2001-04-02 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1".	
	SP-12 2001-06-27 5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	SP-16: converted from TS to TR.	
	SP-14 2002-01-10 5 . 2 . 0			<a href="#">get it</a>			
	SP-15 2002-03-28 5 . 3 . 0			<a href="#">get it</a>			
	SP-16 2002-07-19 5 . 3 . 1	Converted from TS to TR.		<a href="#">get it</a>			
<hr/>							
<b>TS 22.127</b>	<b>Service Requirement for the Open Services Access (OSA); Stage 1</b>						
Rel-5	<i>current version:</i> 5.5.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	SWETINA, Joerg	SIEMENS AG	
	<i>freeze_meeting:</i> SP-15	G: U: yes		<i>MCC:</i>	CLAYTON, Michael		
	<i>history (event, available, version, comments):</i>						
	SP-12 2001-06-27 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-13 2001-10-05 5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	.	
	edito 2001-10-09 5 . 1 . 1			<a href="#">get it</a>			
	SP-14 2002-01-10 5 . 2 . 0			<a href="#">get it</a>			
	SP-15 2002-03-29 5 . 3 . 0			<a href="#">get it</a>			
	SP-16 2002-07-04 5 . 4 . 0			<a href="#">get it</a>			
	SP-18 2002-12-18 5 . 5 . 0			<a href="#">get it</a>			

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<b>TS 22.129</b>	<b>Handover requirements between UTRAN and GERAN or other radio systems</b>								
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	SAMPSON, Nick	ORANGE SA			
	<i>freeze_meeting:</i> SP-15	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-13 2001-10-05 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-14 2002-01-10 5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>				
	SP-16 2002-07-04 5 . 2 . 0			<a href="#">get it</a>					
<hr/>									
<b>TS 22.135</b>	<b>Multicall; Service description; Stage 1</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	KOKKOLA, Tommi	NOKIA Corporation			
	<i>freeze_meeting:</i> SP-16	G: U: yes		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-16 2002-07-19 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>				
<hr/>									
<b>TS 22.140</b>	<b>Multimedia Messaging Service (MMS); Stage 1</b>								
Rel-5	<i>current version:</i> 5.4.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	MEYER, Juergen	SIEMENS AG			
	<i>freeze_meeting:</i> SP-15	G: U: yes		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-14 2002-01-10 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	(development in T2)			
	SP-15 2002-03-28 5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>				
	SP-16 2002-07-04 5 . 2 . 0			<a href="#">get it</a>					
	SP-17 2002-09-17 5 . 3 . 0			<a href="#">get it</a>					
	SP-18 2002-12-20 5 . 4 . 0			<a href="#">get it</a>					
<hr/>									
<b>TS 22.226</b>	<b>Global text telephony (GTT); Stage 1: Service description</b>								
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	CLAYTON, Michael	EMCOM Ltd			
	<i>freeze_meeting:</i> SP-15	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-09 2000-11-27 1 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	SP-16: to "GERAN" set.			
	SP-12 2001-06-27 2 . 0 . 0 SP-010266			<a href="#">get it</a>	<i>remarks - this release:</i>	WI approved TSG#7			
	SP-12 2001-06-27 5 . 0 . 0			<a href="#">get it</a>					
	SP-13 2001-10-05 5 . 1 . 0			<a href="#">get it</a>					
	SP-15 2002-03-28 5 . 2 . 0			<a href="#">get it</a>					

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**TS 22.228 Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1**

Rel-5 *current version:* 5.6.0 *WG (prime / other):* S1 / *rapporteur:* CATALDO, Mark Openwave Systems (N.I.) Ltd  
*freeze\_meeting:* SP-15 *G:* yes *U:* yes *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

SP-09	2000-09-28	1	.	0	.	0	
SP-10	2001-01-12	5	.	0	.	0	
SP-11	2001-04-02	5	.	1	.	0	
SP-12	2001-06-27	5	.	2	.	0	
SP-13	2001-10-05	5	.	3	.	0	
SP-14	2002-01-10	5	.	4	.	0	
SP-15	2002-03-28	5	.	5	.	0	
SP-16	2002-07-19	5	.	6	.	0	

[get it](#)

*remarks - general:*

[get it](#)

*remarks - this release:* Clayton 2000-10-16: Rel-5 confirmed.

[get it](#)

[get it](#)

[get it](#)

[get it](#)

[get it](#)

[get it](#)

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**TS 22.233 Transparent end-to-end packet-switched streamng service; Stage 1**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* S1 / *rapporteur:* WATSON, John VODAFONE Group Plc  
*freeze\_meeting:* SP-16 *G:* U: yes *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

S1-12		0	.	1	.	0	
S1-13		0	.	2	.	0	
S1-14		0	.	3	.	0	
SP-14	2002-01-02	1	.	0	.	0	SP-010733
SP-15	2002-03-19	2	.	0	.	0	SP-020062
SP-15	2002-03-27	5	.	0	.	0	

*remarks - general:*

*remarks - this release:* .

[get it](#)

[get it](#)

[get it](#)

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**TR 22.944 Service requirements for UE functionality split**

Rel-5 *current version:* 5.1.0 *WG (prime / other):* S1 / *rapporteur:* BARNES, Nigel MOTOROLA Ltd  
*freeze\_meeting:* SP-15 *G:* U: yes *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

SP-14	2002-01-02	1	.	0	.	0	SP-010679, SP-020064	<a href="#">get it</a>	<i>remarks - general:</i>
SP-15	2002-03-19	2	.	0	.	0	SP-020064	<a href="#">get it</a>	<i>remarks - this release:</i> .
SP-15	2002-04-02	5	.	0	.	0	Not fit for SDO publication. Contains many editor's notes.	<a href="#">get it</a>	
SP-16	2002-07-04	5	.	1	.	0		<a href="#">get it</a>	

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<b>TS 23.002</b>	<b>Network architecture</b>								
Rel-5	<i>current version:</i> 5.12.0			<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> MILINSKI, Alexander	SIEMENS AG			
	<i>freeze_meeting:</i> SP-15			G: yes U: yes	<i>MCC:</i> YOON, Sang-Ui				
	<i>history (event, available, version, comments):</i>								
	SP-09	2000-10-18	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4,CR at TSG#5			
	SP-10	2000-12-21	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-11	2001-04-06	5 . 2 . 0		<a href="#">get it</a>				
	SP-12	2001-07-12	5 . 3 . 0		<a href="#">get it</a>				
	SP-13	2001-10-12	5 . 4 . 0		<a href="#">get it</a>				
	SP-14	2002-01-07	5 . 5 . 0		<a href="#">get it</a>				
	SP-15	2002-04-02	5 . 6 . 0		<a href="#">get it</a>				
	SP-16	2002-06-17	5 . 7 . 0		<a href="#">get it</a>				
	SP-17	2002-09-24	5 . 8 . 0		<a href="#">get it</a>				
	SP-18	2003-01-10	5 . 9 . 0		<a href="#">get it</a>				
	SP-19	2003-03-27	5 . 10 . 0		<a href="#">get it</a>				
	SP-20	2003-06-20	5 . 11 . 0		<a href="#">get it</a>				
	SP-21	2003-10-01	5 . 12 . 0		<a href="#">get it</a>				

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<b>TS 23.003</b>	<b>Numbering, addressing and identification</b>								
Rel-5	<i>current version:</i> 5.9.0			<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE LTD			
	<i>freeze_meeting:</i> NP-15			G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>								
	NP-12	2001-06-27	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-13	2001-10-03	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .			
	NP-14	2002-01-11	5 . 2 . 0		<a href="#">get it</a>				
	NP-16	2002-06-21	5 . 3 . 0		<a href="#">get it</a>				
	NP-17	2002-09-17	5 . 4 . 0		<a href="#">get it</a>				
	NP-18	2003-01-07	5 . 5 . 0		<a href="#">get it</a>				
	post NP-18 fix	2003-01-10	5 . 5 . 1		<a href="#">get it</a>				
	corrupted figures								
	pp24 ff								
	NP-20	2003-06-27	5 . 6 . 0		<a href="#">get it</a>				
	NP-21	2003-10-09	5 . 7 . 0		<a href="#">get it</a>				
	NP-22	2004-01-12	5 . 8 . 0		<a href="#">get it</a>				
	NP-23	2004-03-23	5 . 9 . 0		<a href="#">get it</a>	Implements CR082r2 omitted from v5.8.0.			

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<b>TS 23.007</b>	<b>Restoration procedures</b>					
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE LTD		
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-16 2002-06-21 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-22 2004-01-12 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .		
<hr/>						
<b>TS 23.008</b>	<b>Organisation of subscriber data</b>					
Rel-5	<i>current version:</i> 5.7.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> BAUER, Rolf	ALCATEL SEL AG		
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-15 2002-03-28 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-16 2002-06-21 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .		
	NP-17 2002-09-17 5 . 2 . 0		<a href="#">get it</a>			
	NP-18 2003-01-07 5 . 3 . 0		<a href="#">get it</a>			
	NP-19 2003-04-04 5 . 4 . 0		<a href="#">get it</a>			
	NP-20 2003-06-27 5 . 5 . 0		<a href="#">get it</a>			
	NP-21 2003-10-09 5 . 6 . 0		<a href="#">get it</a>			
	NP-22 2004-01-12 5 . 7 . 0		<a href="#">get it</a>			
<hr/>						
<b>TS 23.009</b>	<b>Handover procedures</b>					
Rel-5	<i>current version:</i> 5.8.0	<i>WG (prime / other):</i> N1 / N4	<i>rapporteur:</i> FARHOUMAND, Rouzbeh	Ericsson Incorporated		
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version, comments):</i>					
	NP-14 2002-01-08 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-16 2002-06-20 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .		
	NP-17 2002-09-17 5 . 2 . 0		<a href="#">get it</a>			
	NP-18 2003-01-02 5 . 3 . 0		<a href="#">get it</a>			
	NP-19 2003-03-24 5 . 4 . 0		<a href="#">get it</a>			
	NP-20 2003-06-27 5 . 5 . 0		<a href="#">get it</a>			
	NP-21 2003-10-10 5 . 6 . 0		<a href="#">get it</a>			
	NP-22 2004-01-05 5 . 7 . 0		<a href="#">get it</a>			
	NP-23 2004-03-22 5 . 8 . 0		<a href="#">get it</a>			

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<b>TS 23.011</b>	<b>Technical realization of Supplementary Services</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> CONRAD, Alan	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-16 2002-06-24 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
<hr/>						
<b>TS 23.012</b>	<b>Location management procedures</b>					
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB		
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-15 2002-03-28 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
	NP-20 2003-07-01 5 . 1 . 0				<a href="#">get it</a>	<i>remarks - this release:</i> .
	NP-21 2003-10-09 5 . 2 . 0				<a href="#">get it</a>	
<hr/>						
<b>TS 23.014</b>	<b>Support of Dual Tone Multi Frequency (DTMF) signalling</b>					
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> ZAUS, Robert	SIEMENS AG		
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version, comments):</i>					
	NP-16 2002-06-26 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> Should not be in UMTS ????
	NP-17 2002-09-17 5 . 1 . 0				<a href="#">get it</a>	<i>remarks - this release:</i> .
<hr/>						
<b>TS 23.015</b>	<b>Technical realization of Operator Determined Barring (ODB)</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David	VODAFONE LTD		
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> Chalmers KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-16 2002-06-24 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
<hr/>						
<b>TS 23.016</b>	<b>Subscriber data management; Stage 2</b>					
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-15 2002-03-28 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
	NP-16 2002-06-21 5 . 1 . 0				<a href="#">get it</a>	<i>remarks - this release:</i> .
	NP-17 2002-09-17 5 . 2 . 0				<a href="#">get it</a>	
	NP-23 2004-03-23 5 . 3 . 0				<a href="#">get it</a>	

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<b>TS 23.018</b>	<b>Basic Call Handling; Technical realization</b>								
Rel-5	<i>current version:</i> 5.9.0		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David		VODAFONE LTD			
	<i>freeze_meeting:</i> NP-15			Chalmers					
			<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i>		KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>								
	NP-12 2001-06-27	5 . 0 . 0		<a href="#">get it</a>		<i>remarks - general:</i>			
	NP-13 2001-10-03	5 . 1 . 0		<a href="#">get it</a>		<i>remarks - this release:</i>			
	NP-14 2002-01-16	5 . 2 . 0		<a href="#">get it</a>					
	NP-15 2002-03-28	5 . 3 . 0		<a href="#">get it</a>					
	NP-17 2002-09-17	5 . 4 . 0		<a href="#">get it</a>					
	NP-18 2003-01-07	5 . 5 . 0		<a href="#">get it</a>					
	NP-19 2003-04-04	5 . 6 . 0		<a href="#">get it</a>					
	NP-20 2003-06-27	5 . 7 . 0		<a href="#">get it</a>					
	NP-21 2003-10-09	5 . 8 . 0		<a href="#">get it</a>					
	NP-23 2004-03-23	5 . 9 . 0		<a href="#">get it</a>					
<hr/>									
<b>TS 23.031</b>	<b>Fraud Information Gathering System (FIGS); Service description; Stage 2</b>								
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WRIGHT, Tim		Indicate persons who left Company and wait for new One			
	<i>freeze_meeting:</i> SP-18								
			<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i>		POPE, Maurice			
	<i>history (event, available, version, comments):</i>								
	SP-18 2003-01-06	5 . 0 . 0	Technically identical to 43.031 v5.0.0	<a href="#">get it</a>		<i>remarks - general:</i>		SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 & Rel-5 ->	
						<i>remarks - this release:</i>		Created from 43.031 Rel-5. 23.031.	
<hr/>									
<b>TS 23.032</b>	<b>Universal Geographical Area Description (GAD)</b>								
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> HIETALAHTI, Hannu		NOKIA Corporation			
	<i>freeze_meeting:</i> SP-19		<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i>		YOON, Sang-Ui			
	<i>history (event, available, version, comments):</i>								
	SP-19 2003-03-27	5 . 0 . 0		<a href="#">get it</a>		<i>remarks - general:</i>		S2 responsibility?	
						<i>remarks - this release:</i>			
<hr/>									
<b>TS 23.034</b>	<b>High Speed Circuit Switched Data (HSCSD); Stage 2</b>								
Rel-5	<i>current version:</i> 5.2.0		<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i>					
	<i>freeze_meeting:</i> NP-15		<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i>		JORGENSEN, Per Johan			
	<i>history (event, available, version, comments):</i>								
	NP-16 2002-06-26	5 . 0 . 0		<a href="#">get it</a>		<i>remarks - general:</i>			
	NP-18 2002-12-18	5 . 1 . 0		<a href="#">get it</a>		<i>remarks - this release:</i>			
	NP-19 2003-03-24	5 . 2 . 0		<a href="#">get it</a>					

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<b>TS 23.035</b>	<b>Immediate Service Termination (IST); Stage 2</b>				
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WRIGHT, Tim	Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i> SP-16	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> POPE, Maurice		
	<i>history (event, available, version, comments):</i>				
	SP-16 2002-06-24 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> SP-16: created to take over from 03.35 (R99) and 43.035 (Rel-4 onwards).		
	SP-17 2002-09-18 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .		
<hr/>					
<b>TS 23.038</b>	<b>Alphabets and language-specific information</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Research In Motion Limited	
	<i>freeze_meeting:</i> TP-15	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> RODERMUND, Friedhelm		
	<i>history (event, available, version, comments):</i>				
	TP-15 2002-03-21 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i> .		
<hr/>					
<b>TR 23.039</b>	<b>Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Research In Motion Limited	
	<i>freeze_meeting:</i> TP-15	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> RODERMUND, Friedhelm		
	<i>history (event, available, version, comments):</i>				
	TP-16 2002-07-02 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i> .		
<hr/>					
<b>TS 23.040</b>	<b>Technical realization of Short Message Service (SMS)</b>				
Rel-5	<i>current version:</i> 5.7.1	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Research In Motion Limited	
	<i>freeze_meeting:</i> TP-15	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> RODERMUND, Friedhelm		
	<i>history (event, available, version, comments):</i>				
	NP-12 2001-07-05 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> 2003-12-03: Note that this spec also contains stage 3.		
	TP-13 2001-10-03 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	TP-14 2002-01-11 5 . 2 . 0	<a href="#">get it</a>			
	TP-15 2002-03-26 5 . 3 . 0	<a href="#">get it</a>			
	TP-16 2002-07-05 5 . 4 . 0	<a href="#">get it</a>			
	TP-17 2002-09-18 5 . 5 . 0	<a href="#">get it</a>			
	post TP-17: adds 2002-09-24 5 . 5 . 1	<a href="#">get it</a>			
	test vector file				
	TP-20 2003-06-26 5 . 6 . 0	<a href="#">get it</a>	figures 15h & g illegible		
	TP-20 2003-10-03 5 . 6 . 1	<a href="#">get it</a>	fixes illegible figures		
	TP-23 2004-03-25 5 . 7 . 0	<a href="#">get it</a>			
	edito post TP-23 2004-05-24 5 . 7 . 1	<a href="#">get it</a>			

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**TS 23.041 Technical realization of Cell Broadcast Service (CBS)**  
Rel-5 *current version:* 5.2.0 *WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*freeze\_meeting:* TP-16 *G: yes U: yes* *MCC:* RODERMUND, Friedhelm  
*history (event, available, version, comments):*  
TP-16 2002-06-26 5 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4  
TP-19 2003-03-24 5 . 1 . 0 [get it](#) *remarks - this release:* .  
TP-22 2004-01-09 5 . 2 . 0 [get it](#)

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**TS 23.042 Compression algorithm for SMS**  
Rel-5 *current version:* 5.0.0 *WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*freeze\_meeting:* TP-15 *G: yes U: yes* *MCC:* RODERMUND, Friedhelm  
*history (event, available, version, comments):*  
TP-16 2002-06-26 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 23.048 Security mechanisms for the (U)SIM application toolkit; Stage 2**  
Rel-5 *current version:* 5.8.0 *WG (prime / other):* T3 / - *rapporteur:* BARNES, Nigel MOTOROLA Ltd  
*freeze\_meeting:* TP-15 *G: yes U: yes* *MCC:* JURISIC, Andrijana  
*history (event, available, version, comments):*  
TP-12 2001-07-06 5 . 0 . 0 [get it](#) *remarks - general:* TP-12: replaces 43.048. TP-15: For test spec, see 31.048,  
TP-13 2001-10-12 5 . 1 . 0 [get it](#) *remarks - this release:* .  
TP-14 2002-01-17 5 . 2 . 0 [get it](#)  
TP-15 2002-03-28 5 . 3 . 0 [get it](#)  
TP-17 2002-09-23 5 . 4 . 0 [get it](#)  
TP-18 2003-01-02 5 . 5 . 0 [get it](#)  
TP-19 2003-03-26 5 . 6 . 0 [get it](#)  
TP-20 2003-06-23 5 . 7 . 0 [get it](#)  
TP-22 2004-01-12 5 . 8 . 0 [get it](#)

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**TS 23.053 Tandem Free Operation (TFO); Service description; Stage 2**  
Rel-5 *current version:* 5.0.0 *WG (prime / other):* S4 / S2 *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*freeze\_meeting:* SP-16 *G: yes U: yes* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
SP-16 2002-06-28 5 . 0 . 0 [get it](#) *remarks - general:* No draft.  
*remarks - this release:* .

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<b>TS 23.057</b>	<b>Mobile Execution Environment (MExE); Functional description; Stage 2</b>								
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i>	T2 / -	<i>rapporteur:</i>	BRENK, Lars	TTP Communications plc			
	<i>freeze_meeting:</i> TP-15	G: yes U: yes		<i>MCC:</i>	RODERMUND, Friedhelm				
	<i>history (event, available, version, comments):</i>								
	TP-15 2002-03-25	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	Apr-2001: " Station Application" removed from title.			
	TP-17 2002-09-18	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	.			
<hr/>									
<b>TS 23.060</b>	<b>General Packet Radio Service (GPRS); Service description; Stage 2</b>								
Rel-5	<i>current version:</i> 5.8.0	<i>WG (prime / other):</i>	S2 / -	<i>rapporteur:</i>	KUCHIBHOTLA, Ravi	MOTOROLA Ltd			
	<i>freeze_meeting:</i> SP-15	G: yes U: yes		<i>MCC:</i>	YOON, Sang-Ui				
	<i>history (event, available, version, comments):</i>								
	SP-14 2002-01-08	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4			
	SP-15 2002-04-05	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	.			
	SP-16 2002-06-17	5 . 2 . 0		<a href="#">get it</a>					
	SP-17 2002-10-02	5 . 3 . 0		<a href="#">get it</a>					
	SP-18 2003-01-10	5 . 4 . 0		<a href="#">get it</a>					Seems that approved CR418 was not implemented.
	SP-19 2003-03-27	5 . 5 . 0		<a href="#">get it</a>					
	SP-20 2003-06-20	5 . 6 . 0		<a href="#">get it</a>					
	SP-22 2004-01-06	5 . 7 . 0		<a href="#">get it</a>					
	SP-23 2004-04-01	5 . 8 . 0		<a href="#">get it</a>					
<hr/>									
<b>TS 23.066</b>	<b>Support of GSM Mobile Number Portability (MNP) stage 2</b>								
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i>	N4 / -	<i>rapporteur:</i>	LOPEZ SORIA, Luis	Telefon AB LM Ericsson			
	<i>freeze_meeting:</i> NP-15	G: yes U: yes		<i>MCC:</i>	KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>								
	NP-16 2002-06-24	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4, CR at TSG#5			
	NP-20 2003-06-27	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	.			
	NP-21 2003-10-09	5 . 2 . 0		<a href="#">get it</a>					
	NP-22 2004-01-12	5 . 3 . 0		<a href="#">get it</a>					
<hr/>									
<b>TS 23.067</b>	<b>Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	N4 / -	<i>rapporteur:</i>	SCHMITT, Peter	SIEMENS AG			
	<i>freeze_meeting:</i> NP-15	G: yes U: yes		<i>MCC:</i>	KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>								
	NP-16 2002-06-24	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>	.			
<hr/>									

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## TS 23.072 Call Deflection Supplementary Service; Stage 2

Rel-5 *current version:* 5.0.0 *WG (prime / other):* N4 / - *rapporteur:* CONRAD, Alan T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* NP-15 *G: yes U: yes* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
NP-16 2002-06-24 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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## TS 23.078 customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2

Rel-5 *current version:* 5.7.0 *WG (prime / other):* N2 / - *rapporteur:* HOMANN, Christian ALCATEL SEL AG  
*freeze\_meeting:* NP-16 *G: yes U: yes* *MCC:* JURISIC, Andrijana  
*history (event, available, version, comments):*  
NP-16 2002-06-17 5 . 0 . 0 [get it](#) *remarks - general:* CR at TSG#4,CR at TSG#5  
NP-17 2002-09-17 5 . 1 . 0 [get it](#) *remarks - this release:* Phase 4.  
NP-18 2002-12-18 5 . 2 . 0 [get it](#)  
NP-19 2003-03-25 5 . 3 . 0 [get it](#)  
NP-20 2003-06-20 5 . 4 . 0 [get it](#)  
NP-21 2003-09-29 5 . 5 . 0 [get it](#)  
remove redundant 2003-10-08 5 . 5 . 1 [get it](#)  
SDL files  
NP-22 2004-01-06 5 . 6 . 0 [get it](#)  
NP-23 2004-03-29 5 . 7 . 0 [get it](#)

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## TS 23.079 Support of Optimal Routeing (SOR); Technical realization; Stage 2

Rel-5 *current version:* 5.4.0 *WG (prime / other):* N4 / - *rapporteur:* PARK, Ian David VODAFONE LTD  
*freeze\_meeting:* NP-15 *G: yes U: yes* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
NP-15 2002-03-28 5 . 0 . 0 [get it](#) *remarks - general:* CR at TSG#4,CR at TSG#5  
NP-16 2002-06-21 5 . 1 . 0 [get it](#) *remarks - this release:* .  
NP-18 2003-01-07 5 . 2 . 0 [get it](#)  
NP-21 2003-10-09 5 . 3 . 0 [get it](#)  
NP-22 2004-01-12 5 . 4 . 0 [get it](#)

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<b>TS 23.081</b>	<b>Line Identification supplementary services; Stage 2</b>					
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB		
	<i>freeze_meeting:</i> NP-15	<i>G: yes U: yes</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-16 2002-06-24 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
	NP-17 2002-09-17 5 . 1 . 0					<i>remarks - this release:</i> .
	NP-19 2003-04-04 5 . 2 . 0				<a href="#">get it</a>	
<hr/>						
<b>TS 23.082</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 2</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB		
	<i>freeze_meeting:</i> NP-15	<i>G: yes U: yes</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-16 2002-06-21 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
						<i>remarks - this release:</i> .
<hr/>						
<b>TS 23.083</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2</b>					
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE LTD		
	<i>freeze_meeting:</i> NP-15	<i>G: yes U: yes</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-15 2002-03-28 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
	NP-17 2002-09-17 5 . 1 . 0				<a href="#">get it</a>	<i>remarks - this release:</i> .
<hr/>						
<b>TS 23.084</b>	<b>MultiParty (MPY) Supplementary Service; Stage 2</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE LTD		
	<i>freeze_meeting:</i> NP-15	<i>G: yes U: yes</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-12 2001-06-27 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
						<i>remarks - this release:</i> .
<hr/>						
<b>TS 23.085</b>	<b>Closed User Group (CUG) Supplementary Service; Stage 2</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> NP-15	<i>G: yes U: yes</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-16 2002-06-24 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
						<i>remarks - this release:</i> .

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<b>TS 23.086</b>	<b>Advice of Charge (AoC) Supplementary Service; Stage 2</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-16 2002-06-24 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
<hr/>						
<b>TS 23.087</b>	<b>User-to-User Signalling (UUS) supplementary service; Stage 2</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-16 2002-06-24 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
<hr/>						
<b>TS 23.088</b>	<b>Call Barring (CB) Supplementary Service; Stage 2</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-16 2002-06-24 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
<hr/>						
<b>TS 23.090</b>	<b>Unstructured Supplementary Service Data (USSD); Stage 2</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> CROOK, Mick	ORANGE PCS LTD		
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-16 2002-06-24 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
<hr/>						
<b>TS 23.091</b>	<b>Explicit Call Transfer (ECT) Supplementary Service; Stage 2</b>					
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-16 2002-06-21 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
	NP-17 2002-09-17 5 . 1 . 0				<a href="#">get it</a>	<i>remarks - this release:</i> .

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**TS 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2**  
Rel-5 *current version:* 5.0.0 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* NP-15 *G: yes U: yes* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
NP-16 2002-06-24 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 23.094 Follow Me Stage 2**  
Rel-5 *current version:* 5.0.1 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* NP-15 *G: yes U: yes* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
NP-16 2002-06-24 5 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4. GSM only @TSG#5  
post NP-16 edito: 2002-07-01 5 . 0 . 1 [get it](#) *remarks - this release:* .  
make fig 5.1 visible

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**TS 23.096 Name Identification Supplementary Service; Stage 2**  
Rel-5 *current version:* 5.0.0 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* NP-15 *G: yes U: yes* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
NP-16 2002-06-24 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 23.097 Multiple Subscriber Profile (MSP) Phase 1; Stage 2**  
Rel-5 *current version:* 5.0.0 *WG (prime / other):* N4 / - *rapporteur:* RUSSELL, Nick VODAFONE LTD  
*freeze\_meeting:* NP-15 *G: yes U: yes* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
NP-16 2002-06-24 5 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4,CR at TSG#5  
*remarks - this release:* .

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**TS 23.101 General UMTS Architecture**  
Rel-5 *current version:* 5.0.1 *WG (prime / other):* S2 / - *rapporteur:* OLSSON, Magnus Telefon AB LM Ericsson  
*freeze\_meeting:* SP-22 *G: U: yes* *MCC:* YOON, Sang-Ui  
*history (event, available, version, comments):*  
Upgrade to Rel-4 2004-01-22 5 . 0 . 0 Technically = v4.0.0 [get it](#) *remarks - general:*  
Correct illegible 2004-01-27 5 . 0 . 1 [get it](#) *remarks - this release:* .  
figures

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<b>TS 23.107</b>	<b>Quality of Service (QoS) concept and architecture</b>								
Rel-5	<i>current version:</i> 5.12.0		<i>WG (prime / other):</i> S2 / -		<i>rapporteur:</i> RINNE, Janne				NOKIA Corporation
	<i>freeze_meeting:</i> SP-15		<i>G:</i> U: yes		<i>MCC:</i> YOON, Sang-Ui				
	<i>history (event, available, version, comments):</i>								
	SP-11	2001-04-11	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	was 23.907		
	SP-12	2001-06-29	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-13	2001-10-12	5 . 2 . 0		<a href="#">get it</a>				
	SP-14	2002-01-07	5 . 3 . 0		<a href="#">get it</a>				
	SP-15	2002-04-07	5 . 4 . 0		<a href="#">get it</a>				
	SP-16	2002-06-17	5 . 5 . 0		<a href="#">get it</a>				
	SP-17	2002-09-24	5 . 6 . 0		<a href="#">get it</a>				
	SP-18	2003-01-10	5 . 7 . 0		<a href="#">get it</a>				
	SP-19	2003-03-27	5 . 8 . 0		<a href="#">get it</a>				
	SP-20	2003-06-26	5 . 9 . 0		<a href="#">get it</a>				
	SP-21	2003-10-01	5 . 10 . 0		<a href="#">get it</a>				
	SP-22	2004-01-06	5 . 11 . 0		<a href="#">get it</a>				
	SP-23	2004-04-01	5 . 12 . 0		<a href="#">get it</a>				

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<b>TS 23.108</b>	<b>Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)</b>								
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> N1 / -		<i>rapporteur:</i> DOIG, Ian				MOTOROLA S.A.S
	<i>freeze_meeting:</i> NP-16		<i>G:</i> yes <i>U:</i> yes		<i>MCC:</i> JORGENSEN, Per Johan				
	<i>history (event, available, version, comments):</i>								
	NP-16	2002-06-28	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	This is clause 7 from 04.08 ex R98.		
						<i>remarks - this release:</i>	2002-04-15: N1-23 decision to continue to Rel-5.		

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<b>TS 23.110</b>	<b>UMTS Access Stratum Services and Functions</b>								
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> S2 / -		<i>rapporteur:</i> LOPEZ-TORRES, Oscar				T-MOBILE DEUTSCHLAND
	<i>freeze_meeting:</i> SP-22		<i>G:</i> yes <i>U:</i> yes		<i>MCC:</i> YOON, Sang-Ui				
	<i>history (event, available, version, comments):</i>								
	upgrade to Rel-5	2003-10-09	5 . 0 . 0	Created when discovered it was missing	<a href="#">get it</a>	<i>remarks - general:</i>			
	following SP-21			post SP-21. To be ratified SP-22.		<i>remarks - this release:</i>	.		

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<b>TS 23.116</b>	<b>Super-Charger technical realization; Stage 2</b>								
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> ALLEN, Nicholas					Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i> NP-15								
	<i>history (event, available, version, comments):</i>		G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo					
	NP-16 2002-06-24 5 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i> New after TSG#5		<i>remarks - this release:</i> .
<hr/>									
<b>TS 23.119</b>	<b>Gateway Location Register (GLR); Stage2</b>								
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> SAWADA, Masahiro					NTT DoCoMo Inc.
	<i>freeze_meeting:</i> NP-15			<i>MCC:</i> KYMALAINEN, Kimmo					
	<i>history (event, available, version, comments):</i>		G: yes U: yes						
	NP-16 2002-06-24 5 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i> New after TSG#5		<i>remarks - this release:</i> .
<hr/>									
<b>TS 23.122</b>	<b>Non-Access-Stratum functions related to Mobile Station (MS) in idle mode</b>								
Rel-5	<i>current version:</i> 5.3.0		<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> HIETALAHTI, Hannu					NOKIA Corporation
	<i>freeze_meeting:</i> NP-15			<i>MCC:</i> JORGENSEN, Per Johan					
	<i>history (event, available, version, comments):</i>		G: yes U: yes						
	NP-16 2002-06-24 5 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i> 2004-02-26: Added to the list of specs in 01.01 / 41.101 following MCC review of R98		<i>remarks - this release:</i> . features.
	NP-17 2002-09-17 5 . 1 . 0					<a href="#">get it</a>			
	NP-18 2002-12-18 5 . 2 . 0					<a href="#">get it</a>			
	NP-21 2003-10-10 5 . 3 . 0					<a href="#">get it</a>			
<hr/>									
<b>TS 23.127</b>	<b>Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2</b>								
Rel-5	<i>current version:</i> 5.2.0		<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> GOURRAUD, Christophe					ERICSSON RESEARCH CANADA
	<i>freeze_meeting:</i> SP-15			<i>MCC:</i> YOON, Sang-Ui					
	<i>history (event, available, version, comments):</i>		G: U: yes						
	SP-14 2002-01-07 5 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i> Sept 00: "Open Service Architecture" removed from title.		<i>remarks - this release:</i> .
	SP-15 2002-04-05 5 . 1 . 0					<a href="#">get it</a>			
	SP-16 2002-06-17 5 . 2 . 0					<a href="#">get it</a>			
<hr/>									
<b>TS 23.135</b>	<b>Multicall supplementary service; Stage 2</b>								
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> MITAMURA, Kazuo					NTT COMWARE Corporation
	<i>freeze_meeting:</i> NP-15			<i>MCC:</i> KYMALAINEN, Kimmo					
	<i>history (event, available, version, comments):</i>		G: U: yes						
	NP-16 2002-06-24 5 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i>		<i>remarks - this release:</i> .

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<b>TS 23.140</b>	<b>Multimedia Messaging Service (MMS); Functional description; Stage 2</b>						
Rel-5	current version: 5.10.0	WG (prime / other):	T2 / -	rapporteur:	LAUMEN, Josef	INFINEON TECHNOLOGIES	
	freeze_meeting: TP-15	G: yes	U: yes	MCC:	RODERMUND, Friedhelm		
<i>history (event, available, version, comments):</i>							
	TP-13 2001-10-05	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> 2003-12-03: Note that this spec also contains stage 3.		
	TP-14 2002-01-11	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> 2002-01-25: WAP forum elements will not be ready in time for Rel-5, so suspend SDO publication till it is available. 2004-01-12: (Rodermund) WAP Forum (now OMA)		
	TP-15 2002-03-29	5 . 2 . 0		<a href="#">get it</a>	elements for MMS Rel-5 are ready.		
	TP-16 2002-07-05	5 . 3 . 0		<a href="#">get it</a>	Schema delivered 2002-07-07 (uploaded -get it 19) to <a href="http://www.3gpp.org/ftp/Specs/archive/23_series/23.140/schema/REL-5-MM7-1-0">http://www.3gpp.org/ftp/Specs/archive/23_series/23.140/schema/REL-5-MM7-1-0</a> .		
	TP-17 2002-09-30	5 . 4 . 0		<a href="#">get it</a>	Schema v1.1 uploaded 2002-11-14.		
	TP-18 2002-12-20	5 . 5 . 0		<a href="#">get it</a>	Schema v1.2 (REL-5-MM7-1-2.xsd) uploaded 2003-01-08 and version without file extension 2003-01-14.		
	TP-19 2003-03-31	5 . 6 . 0		<a href="#">get it</a>			
	TP-20 2003-06-25	5 . 7 . 0		<a href="#">get it</a>			
	TP-21 2003-10-03	5 . 8 . 0		<a href="#">get it</a>			
	TP-22 2004-01-12	5 . 9 . 0		<a href="#">get it</a>			
	TP-23 2004-03-25	5 . 10 . 0		<a href="#">get it</a>			

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<b>TS 23.146</b>	<b>Technical realization of facsimile Group 3 service - non-transparent</b>						
Rel-5	current version: 5.0.0	WG (prime / other):	N3 / -	rapporteur:	HAGIWARA, Junichiro	NTT DoCoMo Inc.	
	freeze_meeting: NP-15	G:	U: yes	MCC:	BOSWARTHICK, David		
<i>history (event, available, version, comments):</i>							
	NP-16 2002-06-28	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
					<i>remarks - this release:</i> .		

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## TS 23.153 Out of Band Transcoder Control; Stage 2

Rel-5 *current version:* 5.7.0 *WG (prime / other):* N4 / - *rapporteur:* HODGES, Phil Telefon AB LM Ericsson  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

NP-15	2002-03-28	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> New after TSG#5
NP-16	2002-06-21	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
NP-17	2002-09-18	5	.	2	.	0	<a href="#">get it</a>
NP-18	2003-01-09	5	.	3	.	0	<a href="#">get it</a>
NP-19	2003-04-04	5	.	4	.	0	<a href="#">get it</a>
NP-20	2003-06-27	5	.	5	.	0	<a href="#">get it</a>
NP-21	2003-10-09	5	.	6	.	0	<a href="#">get it</a>
NP-23	2004-03-23	5	.	7	.	0	<a href="#">get it</a>

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## TS 23.172 Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2

Rel-5 *current version:* 5.4.0 *WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*freeze\_meeting:* NP-16 *G:* *U:* yes *MCC:* BOSWARTHICK, David

*history (event, available, version, comments):*

draft	2002-04-18	1	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
NP-16	2002-06-25	2	.	0	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
NP-16	2002-06-28	5	.	0	.	0	<a href="#">get it</a>
NP-18	2003-01-09	5	.	1	.	0	<a href="#">get it</a>
NP-21	2003-10-03	5	.	2	.	0	<a href="#">get it</a>
NP-22	2004-01-15	5	.	3	.	0	<a href="#">get it</a>
NP-23	2004-03-22	5	.	4	.	0	<a href="#">get it</a>

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<b>TS 23.195</b>	<b>Provision of User Equipment Specific Behaviour Information (UESBI) to network entities</b>					
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> S2 /	<i>rapporteur:</i> PUDNEY, Chris	VODAFONE Group Plc		
	<i>freeze_meeting:</i> SP-20	G: yes U: yes	<i>MCC:</i> YOON, Sang-Ui			
	<i>history (event, available, version, comments):</i>					
	draft	2003-03-24	0 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Created as a result of 23.895.
	SP-19	2003-03-24	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	SP-20: approved as a Rel-5 document, not Rel-6.
	S2-32		1 . 2 . 0			S2-031951 (inc in RP-030234)
	draft		1 . 3 . 0			Tech identical to v1.2.0; S2-031953
	SP-20		2 . 0 . 0			SP-030314
	SP-20	2003-06-17	2 . 1 . 0	<a href="#">get it</a>		SP-030335; incorporates RP-20 decisions re IMEISV vs bitmap resolved (ie remove IMEISV)
	SP-20	2003-06-20	5 . 0 . 0	<a href="#">get it</a>		
	SP-21	2003-10-01	5 . 1 . 0	<a href="#">get it</a>		
	SP-22	2004-01-06	5 . 2 . 0	<a href="#">get it</a>		
	SP-23	2004-04-01	5 . 3 . 0	<a href="#">get it</a>		
<hr/>						
<b>TS 23.205</b>	<b>Bearer-independent circuit-switched core network; Stage 2</b>					
Rel-5	<i>current version:</i> 5.7.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> HODGES, Phil	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> NP-15	G: U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-14	2002-01-10	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	2000-10: Rap change from Keutmann.
	NP-15	2002-03-28	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	.
	NP-16	2002-06-21	5 . 2 . 0	<a href="#">get it</a>		
	NP-17	2002-09-18	5 . 3 . 0	<a href="#">get it</a>		
	NP-18	2003-01-07	5 . 4 . 0	<a href="#">get it</a>		
	NP-19	2003-04-04	5 . 5 . 0	<a href="#">get it</a>		
	NP-20	2003-06-27	5 . 6 . 0	<a href="#">get it</a>		
	NP-23	2004-03-24	5 . 7 . 0	<a href="#">get it</a>		

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**TS 23.207 End-to-end Quality of Service (QoS) concept and architecture**

Rel-5 *current version:* 5.9.0 *WG (prime / other):* S2 / - *rapporteur:* OYAMA, Johnson Nippon Ericsson K.K.  
*freeze\_meeting:* SP-15 *G: yes U: yes* *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

SP-12		2	.	0	.	0	SP-010337
SP-12	2001-07-02	5	.	0	.	0	
SP-13	2001-10-15	5	.	1	.	0	
SP-14	2002-01-07	5	.	2	.	0	
SP-15	2002-04-05	5	.	3	.	0	
SP-16	2002-06-18	5	.	4	.	0	
SP-17	2002-09-24	5	.	5	.	0	
SP-18	2003-01-10	5	.	6	.	0	
SP-19	2003-03-27	5	.	7	.	0	
SP-20	2003-06-20	5	.	8	.	0	
SP-23	2004-04-01	5	.	9	.	0	

*remarks - general:*

*remarks - this release:* .

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## TS 23.218 IP Multimedia (IM) session handling; IM call model; Stage 2

Rel-5 *current version:* 5.7.0 *WG (prime / other):* N1 / - *rapporteur:* DRAGE, Keith Lucent Technologies Network Systems UK  
*freeze\_meeting:* NP-15 *G: yes U: yes* *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*

draft	2001-03-30	0 . 5 . 0		<a href="#">get it</a>	<i>remarks - general:</i>
draft	2001-08-20	0 . 5 . 2		<a href="#">get it</a>	<i>remarks - this release:</i>
draft	2001-09-11	0 . 6 . 0		<a href="#">get it</a>	
draft	2001-10-10	0 . 7 . 0		<a href="#">get it</a>	
draft	2001-11-05	0 . 8 . 0		<a href="#">get it</a>	
draft	2001-11-19	0 . 9 . 0		<a href="#">get it</a>	
NP-14	2001-12-05	1 . 0 . 0	NP-010640	<a href="#">get it</a>	
draft	2002-01-22	1 . 1 . 0		<a href="#">get it</a>	
draft	2002-02-06	1 . 2 . 0		<a href="#">get it</a>	
draft	2002-02-26	2 . 0 . 0		<a href="#">get it</a>	
NP-15	2002-03-19	2 . 0 . 1	NP-020047	<a href="#">get it</a>	
NP-15	2002-03-19	5 . 0 . 0		<a href="#">get it</a>	
NP-16	2002-06-25	5 . 1 . 0		<a href="#">get it</a>	
NP-17	2002-09-17	5 . 2 . 0		<a href="#">get it</a>	
NP-18	2002-12-18	5 . 3 . 0		<a href="#">get it</a>	
NP-19	2003-03-24	5 . 4 . 0		<a href="#">get it</a>	
NP-20	2003-07-03	5 . 5 . 0		<a href="#">get it</a>	
NP-21	2003-09-30	5 . 6 . 0		<a href="#">get it</a>	
NP-22	2004-01-06	5 . 7 . 0		<a href="#">get it</a>	

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## TS 23.221 Architectural requirements

Rel-5 *current version:* 5.9.0 *WG (prime / other):* S2 / - *rapporteur:* DANIEL, Elizabeth Lucent Technologies Network Systems UK  
*freeze\_meeting:* SP-15 *G: yes U: yes* *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

SP-11	2001-04-06	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> Derived from R99-specific 23.121
SP-12	2001-07-02	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>
SP-13	2001-10-12	5 . 2 . 0		<a href="#">get it</a>	
SP-14	2002-01-07	5 . 3 . 0		<a href="#">get it</a>	
SP-15	2002-04-05	5 . 4 . 0		<a href="#">get it</a>	
SP-16	2002-06-18	5 . 5 . 0		<a href="#">get it</a>	
SP-17	2002-10-02	5 . 6 . 0		<a href="#">get it</a>	
SP-18	2003-01-10	5 . 7 . 0		<a href="#">get it</a>	
SP-21	2003-10-01	5 . 8 . 0		<a href="#">get it</a>	
SP-23	2004-04-01	5 . 9 . 0		<a href="#">get it</a>	

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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**TS 23.226 Global text telephony (GTT); Stage 2: Architecture**

Rel-5 *current version:* 5.2.0 *WG (prime / other):* S2 / - *rapporteur:* HELLSTROM, Gunnar Omnitor AB  
*freeze\_meeting:* NP-15 *G:* yes *U:* yes *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

SP-12		2	.	0	.	0	SP-010336	<i>remarks - general:</i>	2002-03-06: N4->S2 (was wrong!) SP-16: to "GERAN" set.
SP-12	2001-06-29	5	.	0	.	0		<i>remarks - this release:</i>	WI approved TSG#7
SP-14	2002-01-07	5	.	1	.	0		<a href="#">get it</a>	
SP-15	2002-04-05	5	.	2	.	0		<a href="#">get it</a>	

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**TS 23.227 Application and user interaction in the UE; Principles and specific requirements**

Rel-5 *current version:* 5.1.0 *WG (prime / other):* T2 / - *rapporteur:* TOMÉ, Olga Telefon AB LM Ericsson  
*freeze\_meeting:* TP-15 *G:* U: yes *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*

TP-14	2002-01-11	5	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
TP-15	2002-03-26	5	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> .

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 23.228 IP Multimedia Subsystem (IMS); Stage 2

Rel-5 *current version:* 5.12.0

*freeze\_meeting:* SP-15

*WG (prime / other):* S2 / - *rapporteur:* TOWLE, Thomas

Lucent Technologies

G: yes U: yes

*MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

draft	2000-11-30	1	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
SP-10	2001-01-10	1	.	4	.	0	SP-000598	<a href="#">get it</a>	<i>remarks - this release:</i>
draft	2001-02-06	1	.	7	.	0		<a href="#">get it</a>	
SP-11	2001-04-06	5	.	0	.	0		<a href="#">get it</a>	
SP-12	2001-07-02	5	.	1	.	0		<a href="#">get it</a>	
SP-13	2001-10-17	5	.	2	.	0		<a href="#">get it</a>	
repair of lost figures		5	.	2	.	1			
SP-14	2002-01-04	5	.	3	.	0		<a href="#">get it</a>	
SP-15	2002-04-08	5	.	4	.	0		<a href="#">get it</a>	
edito post SP-15	2002-04-12	5	.	4	.	1		<a href="#">get it</a>	
SP-16	2002-06-17	5	.	5	.	0		<a href="#">get it</a>	
SP-17	2002-09-30	5	.	6	.	0		<a href="#">get it</a>	
SP-18	2003-01-07	5	.	7	.	0		<a href="#">get it</a>	
SP-19	2003-03-27	5	.	8	.	0		<a href="#">get it</a>	
SP-20	2003-06-20	5	.	9	.	0		<a href="#">get it</a>	
SP-21	2003-10-01	5	.	10	.	0		<a href="#">get it</a>	
SP-22	2004-01-06	5	.	11	.	0		<a href="#">get it</a>	
SP-23	2004-04-01	5	.	12	.	0		<a href="#">get it</a>	

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## TS 23.236 Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes

Rel-5 *current version:* 5.2.0

*freeze\_meeting:* SP-15

*WG (prime / other):* S2 / - *rapporteur:* TERRILL, Stephen

Telefon AB LM Ericsson

G: yes U: yes

*MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

SP-12	2001-07-12	1	.	0	.	0	SP-010338	<a href="#">get it</a>	<i>remarks - general:</i>
draft	2001-08-16	1	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i>
SP-13	2001-10-01	2	.	0	.	0	SP-010507	<a href="#">get it</a>	
SP-13		2	.	1	.	0	not made available		
SP-13	2001-10-15	5	.	0	.	0		<a href="#">get it</a>	
SP-14	2002-01-07	5	.	1	.	0		<a href="#">get it</a>	
SP-15	2002-04-05	5	.	2	.	0		<a href="#">get it</a>	

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G = required in systems with GERAN access; U = required in systems with UMTS access.



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## TS 23.271 Location Services (LCS); Functional description; Stage 2

Rel-5 *current version:* 5.10.0 *WG (prime / other):* S2 / - *rapporteur:* WONG, Gavin VODAFONE Group Plc  
*freeze\_meeting:* SP-15 *G: yes U: yes* *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

SP-13	2001-10-15	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	post-TSG#8: Recombined 2G and 3G spec for R00 onwards.
SP-14	2002-01-07	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	.
SP-15	2002-03-29	5 . 2 . 0	<a href="#">get it</a>		
SP-16	2002-06-18	5 . 3 . 0	<a href="#">get it</a>		
SP-17	2002-09-24	5 . 4 . 0	<a href="#">get it</a>		
SP-18	2003-01-09	5 . 5 . 0	<a href="#">get it</a>		
SP-19	2003-03-27	5 . 6 . 0	<a href="#">get it</a>		
SP-20	2003-06-23	5 . 7 . 0	<a href="#">get it</a>		
SP-21	2003-10-02	5 . 8 . 0	<a href="#">get it</a>		
SP-22	2004-01-06	5 . 9 . 0	<a href="#">get it</a>		
SP-23	2004-04-01	5 . 10 . 0	<a href="#">get it</a>		

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## TS 23.278 customized Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2

Rel-5 *current version:* 5.5.0 *WG (prime / other):* N2 / - *rapporteur:* REMOQUILLO, Angelica Lucent Technologies  
*freeze\_meeting:* NP-18 *G: yes U: yes* *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*

NP-14	2002-01-02	1 . 0 . 0	NP-010586	<a href="#">get it</a>	<i>remarks - general:</i>	2001-10-26: renumbered from 23.178.
NP-15	2002-03-19	1 . 1 . 0	NP-020059	<a href="#">get it</a>	<i>remarks - this release:</i>	Was briefly 23.178. CAMEL Phase 4.
NP-16	2002-06-26	2 . 0 . 0	NP-020207 - not approved	<a href="#">get it</a>		
NP-17	2002-09-24	2 . 1 . 0	NP-020348	<a href="#">get it</a>		
NP-17	2002-09-17	5 . 0 . 0		<a href="#">get it</a>		
NP-18	2003-01-10	5 . 1 . 0		<a href="#">get it</a>		
NP-19	2003-03-25	5 . 2 . 0		<a href="#">get it</a>		
NP-20	2003-06-20	5 . 3 . 0		<a href="#">get it</a>		
NP-21	2003-09-29	5 . 4 . 0		<a href="#">get it</a>		
NP-22	2004-01-05	5 . 5 . 0		<a href="#">get it</a>		

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TR 23.815</b>	<b>Charging implications of IMS architecture</b>								
Rel-5	<i>current version:</i> 5.0.0			<i>WG (prime / other):</i> S2 /		<i>rapporteur:</i> MILINSKI, Alexander	SIEMENS AG		
	<i>freeze_meeting:</i> SP-15			<i>G:</i> yes <i>U:</i> yes		<i>MCC:</i> YOON, Sang-Ui			
	<i>history (event, available, version, comments):</i>								
	draft	0 . 0 . 0	2001-08			<i>remarks - general:</i> Was 23.915.			
	S2-19	0 . 1 . 0	2001-10			<i>remarks - this release:</i> 2002-04 (Rapporteur): Proposed to withdraw, since contents has now been fully absorbed into S5 specs (esp 32.225).			
	S2-20	2001-11-20	0 . 2 . 0		<a href="#">get it</a>				
	S2-21	2001-12-04	0 . 3 . 0		<a href="#">get it</a>				
	SP-14	2002-01-11	1 . 0 . 0	SP-010718	<a href="#">get it</a>				
	SP-15	2002-03-19	2 . 0 . 0	SP-020144	<a href="#">get it</a>				
	SP-15	2002-04-05	5 . 0 . 0		<a href="#">get it</a>				

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<b>TR 23.871</b>	<b>Enhanced support for user privacy in Location Services (LCS)</b>								
Rel-5	<i>current version:</i> 5.0.0			<i>WG (prime / other):</i> S2 /		<i>rapporteur:</i> KÄLL, Jan	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-15			<i>G:</i> <i>U:</i> yes		<i>MCC:</i> YOON, Sang-Ui			
	<i>history (event, available, version, comments):</i>								
	draft	0 . 0 . 1				<i>remarks - general:</i>			
	draft	0 . 0 . 2				<i>remarks - this release:</i> Not to progress to Rel-6: see 23.271.			
	draft	0 . 0 . 3							
	draft	0 . 1 . 0							
	S2-21	0 . 2 . 0							
	draft	0 . 3 . 0							
	draft	0 . 4 . 0							
	SP-14	2002-01-02	1 . 0 . 0	SP-010717	<a href="#">get it</a>				
	S2-23	1 . 2 . 0							
	draft	2002-03-19	1 . 3 . 0		<a href="#">get it</a>				
	SP-15	2 . 0 . 0	not presented						
	SP-16	2002-07-22	2 . 1 . 0	SP-020379	<a href="#">get it</a>				
	SP-16	2002-07-25	5 . 0 . 0		<a href="#">get it</a>				

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<b>TR 23.875</b>	<b>Support of Push service</b>								
Rel-5	<i>current version:</i> 5.1.0			<i>WG (prime / other):</i> S2 /		<i>rapporteur:</i> UDA, Nobuyuki	NTT COMWARE Corporation		
	<i>freeze_meeting:</i> SP-15			<i>G:</i> <i>U:</i> yes		<i>MCC:</i> YOON, Sang-Ui			
	<i>history (event, available, version, comments):</i>								
	SP-13	2001-10-16	5 . 0 . 0	derived from SP-010508	<a href="#">get it</a>	<i>remarks - general:</i> SP-13: changed number from 23.974.			
	SP-14	2002-04-04	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .			

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<b>TR 23.910</b>	<b>Circuit switched data bearer services</b>				
Rel-5	<i>current version:</i> 5.4.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> HUSLENDE, Ragnar	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> NP-15	G: U: yes	<i>MCC:</i> BOSWARTHICK, David		
	<i>history (event, available, version, comments):</i>				
	NP-14 2002-01-11 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> 03.10 GSM only @ TSG#5	Replaced by 3G Report 23.910(+post TSG#4 approval)	
	NP-17 2002-09-17 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	NP-18 2003-01-06 5 . 2 . 0	<a href="#">get it</a>			
	NP-19 2003-03-27 5 . 3 . 0	<a href="#">get it</a>			
	NP-21 2003-10-01 5 . 4 . 0	<a href="#">get it</a>			

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Rel-5 24 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/24\\_series](http://www.3gpp.org/ftp/Specs/archive/24_series)

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<b>TS 24.002</b>	<b>GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration</b>				
Rel-5	<i>current version:</i> 5.1.1	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> JORGENSEN, Per Johan	Skov	
	<i>history (event, available, version, comments):</i>				
	NP-16 2002-06-28 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-19 2003-03-24 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	correction of typo on cover page 2003-06-02 5 . 1 . 1	<a href="#">get it</a>			

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<b>TS 24.007</b>	<b>Mobile radio interface signalling layer 3; General Aspects</b>				
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> HOWELL, Andrew	MOTOROLA Ltd	
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>				
	NP-16 2002-06-24 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4,CR at TSG#5		
	NP-17 2002-09-17 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .		

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 24.008 Mobile radio interface Layer 3 specification; Core network protocols; Stage 3

Rel-5 *current version:* 5.11.0 *WG (prime / other):* N1 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* NP-15 *G:* yes *U:* yes *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*

NP-12	2001-07-13	5	.	0	.	0
NP-13	2001-10-05	5	.	1	.	0
NP-14	2002-01-10	5	.	2	.	0
NP-15	2002-03-21	5	.	3	.	0
NP-16	2002-06-24	5	.	4	.	0
NP-17	2002-09-17	5	.	5	.	0
NP-18	2002-12-18	5	.	6	.	0
NP-19	2003-03-24	5	.	7	.	0
NP-20	2003-07-04	5	.	8	.	0
NP-21	2003-10-09	5	.	9	.	0
NP-22	2004-01-12	5	.	10	.	0
NP-23	2004-03-22	5	.	11	.	0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* .  
[get it](#)  
[get it](#)  
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## TS 24.010 Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects

Rel-5 *current version:* 5.0.0 *WG (prime / other):* N4 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* NP-15 *G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

NP-16	2002-06-24	5	.	0	.	0
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[get it](#) *remarks - general:*  
*remarks - this release:* .

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## TS 24.011 Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface

Rel-5 *current version:* 5.2.0 *WG (prime / other):* N1 / T2 *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* NP-15 *G:* yes *U:* yes *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*

NP-16	2002-06-28	5	.	0	.	0
NP-18	2002-12-18	5	.	1	.	0
NP-20	2003-07-03	5	.	2	.	0

[get it](#) *remarks - general:* Transfer>TSG#4  
[get it](#) *remarks - this release:* .  
[get it](#)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 24.022</b>	<b>Radio Link Protocol (RLP) for circuit switched bearer and teleservices</b>								
Rel-5	<i>current version:</i> 5.5.0	<i>WG (prime / other):</i>	N3 / -	<i>rapporteur:</i>	KLEHN, Norbert	SIEMENS AG			
	<i>freeze_meeting:</i> NP-15	<i>G: yes U: yes</i>		<i>MCC:</i>	BOSWARTHICK, David				
	<i>history (event, available, version, comments):</i>								
	NP-14 2002-01-16	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link			
	NP-18 2003-01-06	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	. Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the			
						Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface".			
	NP-19 2003-03-27	5 . 2 . 0		<a href="#">get it</a>					
	NP-20 2003-06-23	5 . 3 . 0		<a href="#">get it</a>					
	NP-21 2003-10-01	5 . 4 . 0		<a href="#">get it</a>					
	NP-22 2004-01-13	5 . 5 . 0		<a href="#">get it</a>					

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<b>TS 24.030</b>	<b>Location Services (LCS); Supplementary service operations; Stage 3</b>								
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i>	N4 / -	<i>rapporteur:</i>	GARAPATY, Sonia	Nortel Networks (USA)			
	<i>freeze_meeting:</i> NP-15	<i>G: yes U: yes</i>		<i>MCC:</i>	KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>								
	NP-15 2002-03-28	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	TSG#7: txfrd from SMG to 3GPP for R99.			
	NP-16 2002-06-21	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	.			

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<b>TS 24.067</b>	<b>Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	N4 / -	<i>rapporteur:</i>	SCHMITT, Peter	SIEMENS AG			
	<i>freeze_meeting:</i> NP-15	<i>G: yes U: yes</i>		<i>MCC:</i>	KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>								
	NP-16 2002-06-24	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>	.			

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<b>TS 24.072</b>	<b>Call Deflection Supplementary Service; Stage 3</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	N4 / -	<i>rapporteur:</i>	WIEHE, Ulrich	Gesellschaft für Kommunikations Software			
	<i>freeze_meeting:</i> NP-15	<i>G: yes U: yes</i>		<i>MCC:</i>	KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>								
	NP-16 2002-06-24	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>	.			

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 24.080</b>	<b>Mobile radio Layer 3 supplementary service specification; Formats and coding</b>					
Rel-5	<i>current version:</i> 5.4.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-15 2002-03-28 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-16 2002-06-21 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	NP-17 2002-09-18 5 . 2 . 0	<a href="#">get it</a>				
	NP-18 2003-01-07 5 . 3 . 0	<a href="#">get it</a>				
	NP-21 2003-10-09 5 . 4 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 24.081</b>	<b>Line Identification Supplementary Service; Stage 3</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-16 2002-06-24 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			
<hr/>						
<b>TS 24.082</b>	<b>Call Forwarding supplementary service; Stage 3</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-16 2002-06-25 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			
<hr/>						
<b>TS 24.083</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE LTD		
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-16 2002-06-25 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			
<hr/>						
<b>TS 24.084</b>	<b>MultiParty (MPTY) Supplementary Service; Stage 3</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE LTD		
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-16 2002-06-25 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			

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<b>TS 24.085</b>	<b>Closed User Group (CUG) Supplementary Service; Stage 3</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-16 2002-06-25 5 . 0 . 0					
		<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			
<hr/>						
<b>TS 24.086</b>	<b>Advice of Charge (AoC) Supplementary Service; Stage 3</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-16 2002-06-25 5 . 0 . 0					
		<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			
<hr/>						
<b>TS 24.087</b>	<b>User-to-User Signalling (UUS); Stage 3</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-16 2002-06-25 5 . 0 . 0					
		<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			
<hr/>						
<b>TS 24.088</b>	<b>Call Barring (CB) Supplementary Service; Stage 3</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-16 2002-06-25 5 . 0 . 0					
		<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			
<hr/>						
<b>TS 24.090</b>	<b>Unstructured Supplementary Service Data (USSD); Stage 3</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> BRUSS, Jörg	ERICSSON Eurolab Deutschland GmbH		
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-16 2002-06-25 5 . 0 . 0					
		<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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**TS 24.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 3**

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* NP-15  
*history (event, available, version, comments):*  
NP-16 2002-06-25 5 . 0 . 0

*WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

[get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 24.093 Call Completion to Busy Subscriber (CCBS); Stage 3**

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* NP-15  
*history (event, available, version, comments):*  
NP-16 2002-06-25 5 . 0 . 0

*WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

[get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 24.096 Name Identification Supplementary Service; Stage 3**

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* NP-15  
*history (event, available, version, comments):*  
NP-16 2002-06-25 5 . 0 . 0

*WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

[get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 24.135 Multicall supplementary service; Stage 3**

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* NP-15  
*history (event, available, version, comments):*  
NP-16 2002-06-25 5 . 0 . 0

*WG (prime / other):* N4 / - *rapporteur:* MITAMURA, Kazuo NTT COMWARE Corporation  
*G: U: yes* *MCC:* KYMALAINEN, Kimmo

[get it](#) *remarks - general:*  
*remarks - this release:* .

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## TS 24.228 Signalling flows for the IP multimedia call control based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3

Rel-5 *current version:* 5.8.0 *WG (prime / other):* N1 / - *rapporteur:* KISS, Krisztian  
*freeze\_meeting:* NP-16 *G:* yes *U:* yes *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*

NP-10	2001-01-05	0	1	0	N1-001114->1378 (NP-000683)	<a href="#">get it</a>	<i>remarks - general:</i>
draft	2001-03-26	0	4	0		<a href="#">get it</a>	<i>remarks - this release:</i>
draft	2001-04-18	0	5	0		<a href="#">get it</a>	
NP-12	2001-06-26	1	0	0	NP-010278	<a href="#">get it</a>	
draft		1	0	0	N1-17		
draft	2001-06-26	1	1	0	N1-010944	<a href="#">get it</a>	
draft	2001-08-01	1	2	0	N1-011230	<a href="#">get it</a>	
draft	2001-09-11	1	3	0	N1-011363	<a href="#">get it</a>	
draft	2001-09-14	1	4	0	N1-011364	<a href="#">get it</a>	
draft	2001-10-05	1	5	0	N1-011496	<a href="#">get it</a>	
draft	2001-10-24	1	6	0	N1-011706	<a href="#">get it</a>	
draft	2001-11-19	1	7	0		<a href="#">get it</a>	
NP-14	2001-12-04	1	8	0	NP-010641	<a href="#">get it</a>	
draft	2002-01-22	1	9	0		<a href="#">get it</a>	
draft	2002-02-06	1	10	0		<a href="#">get it</a>	
draft	2002-02-26	2	0	0		<a href="#">get it</a>	
draft	2002-02-26	2	0	1		<a href="#">get it</a>	
NP-15	2002-03-19	2	0	2	NP-020048	<a href="#">get it</a>	
NP-15	2002-03-19	5	0	0	not yet frozen	<a href="#">get it</a>	
NP-16	2002-07-16	5	1	0	Enormous CRs to create this version; take several man.weeks to accomplish	<a href="#">get it</a>	
NP-17	2002-09-17	5	2	0		<a href="#">get it</a>	
NP-18	2003-01-10	5	3	0		<a href="#">get it</a>	
NP-19	2003-03-24	5	4	0		<a href="#">get it</a>	
NP-20	2003-07-04	5	5	0		<a href="#">get it</a>	
NP-21	2003-10-08	5	6	0		<a href="#">get it</a>	
NP-22	2004-01-12	5	7	0		<a href="#">get it</a>	
NP-23	2004-03-22	5	8	0		<a href="#">get it</a>	

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## TS 24.229 Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3

Rel-5 *current version:* 5.8.0 *WG (prime / other):* N1 / - *rapporteur:* DRAGE, Keith Lucent Technologies Network Systems UK  
*freeze\_meeting:* NP-16 *G:* yes *U:* yes *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*

NP-10		0	.	0	.	6			<i>remarks - general:</i>	NP-14: confirmed that this is appropriate for GSM as well as UMTS.
NP-10	2001-01-05	0	.	0	.	7	N1-001115->1379 (NP-000684)	<a href="#">get it</a>	<i>remarks - this release:</i>	
draft	2001-03-26	0	.	1	.	0		<a href="#">get it</a>		
draft	2001-05-10	0	.	2	.	0		<a href="#">get it</a>		
draft	2001-06-26	0	.	3	.	0		<a href="#">get it</a>		
draft	2001-07-26	0	.	4	.	0		<a href="#">get it</a>		
draft	2001-09-12	0	.	5	.	0		<a href="#">get it</a>		
draft	2001-10-09	0	.	6	.	0		<a href="#">get it</a>		
draft	2001-10-24	0	.	7	.	0		<a href="#">get it</a>		
draft	2001-11-19	0	.	8	.	0		<a href="#">get it</a>		
NP-14	2001-12-06	1	.	0	.	0	NP-010642	<a href="#">get it</a>		
draft	2002-01-22	1	.	1	.	0		<a href="#">get it</a>		
draft	2002-02-06	1	.	2	.	0		<a href="#">get it</a>		
draft	2002-02-06	1	.	2	.	1		<a href="#">get it</a>		
draft	2002-02-27	2	.	0	.	0		<a href="#">get it</a>		
NP-15	2002-03-19	2	.	0	.	2	NP-020049	<a href="#">get it</a>		
NP-15	2002-03-19	5	.	0	.	0	not frozen	<a href="#">get it</a>		
NP-16	2002-06-28	5	.	1	.	0	CR009 not implemented; expect further CR at NP-17 to remove it.	<a href="#">get it</a>		
NP-17	2002-09-17	5	.	2	.	0		<a href="#">get it</a>		
NP-18	2002-12-20	5	.	3	.	0		<a href="#">get it</a>		
NP-19	2003-03-24	5	.	4	.	0		<a href="#">get it</a>		
NP-20	2003-06-23	5	.	5	.	0		<a href="#">get it</a>		
NP-21	2003-09-29	5	.	6	.	0		<a href="#">get it</a>		
NP-22	2004-01-13	5	.	7	.	0		<a href="#">get it</a>		
NP-23	2004-03-22	5	.	8	.	0		<a href="#">get it</a>		

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## TS 25.101 User Equipment (UE) radio transmission and reception (FDD)

Rel-5 *current version:* 5.10.0 *WG (prime / other):* R4 / - *rapporteur:* FERNANDES, Edgar MOTOROLA Ltd  
*freeze\_meeting:* RP-15 *G:* U: yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version, comments):*

RP-13	2001-10-03	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
RP-14	2002-01-14	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
RP-15	2002-03-29	5	.	2	.	0	<a href="#">get it</a>
RP-16	2002-07-01	5	.	3	.	0	<a href="#">get it</a>
RP-17	2002-10-04	5	.	4	.	0	<a href="#">get it</a>
RP-18	2003-01-10	5	.	5	.	0	<a href="#">get it</a>
RP-19	2003-04-04	5	.	6	.	0	<a href="#">get it</a>
RP-20	2003-06-27	5	.	7	.	0	<a href="#">get it</a>
RP-21	2003-10-10	5	.	8	.	0	<a href="#">get it</a>
RP-22	2004-01-23	5	.	9	.	0	<a href="#">get it</a>
RP-23	2004-04-01	5	.	10	.	0	<a href="#">get it</a>

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## TS 25.102 User Equipment (UE) radio transmission and reception (TDD)

Rel-5 *current version:* 5.6.0 *WG (prime / other):* R4 / - *rapporteur:* KOTTKAMP, Meik SIEMENS AG  
*freeze\_meeting:* RP-15 *G:* U: yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version, comments):*

RP-15	2002-03-29	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
editor post RP-15	2002-04-15	5	.	0	.	1	Fixes change history table entry. <a href="#">get it</a> <i>remarks - this release:</i> .
RP-16	2002-07-01	5	.	1	.	0	<a href="#">get it</a>
RP-17	2002-10-02	5	.	2	.	0	<a href="#">get it</a>
RP-18	2003-01-10	5	.	3	.	0	<a href="#">get it</a>
RP-19	2003-04-04	5	.	4	.	0	<a href="#">get it</a>
RP-20	2003-06-27	5	.	5	.	0	<a href="#">get it</a>
RP-22	2004-01-20	5	.	6	.	0	<a href="#">get it</a>

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 25.104 Base Station (BS) radio transmission and reception (FDD)

Rel-5 *current version:* 5.8.0  
*freeze\_meeting:* RP-15  
*history (event, available, version, comments):*

RP-13	2001-10-03	5	.	0	.	0	
RP-14	2002-01-14	5	.	1	.	0	<a href="#">get it</a> <i>remarks - general:</i>
RP-15	2002-03-29	5	.	2	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
RP-16	2002-07-01	5	.	3	.	0	<a href="#">get it</a>
RP-17	2002-10-02	5	.	4	.	0	<a href="#">get it</a>
RP-18	2003-01-10	5	.	5	.	0	<a href="#">get it</a>
RP-19	2003-04-04	5	.	6	.	0	<a href="#">get it</a>
RP-20	2003-06-27	5	.	7	.	0	<a href="#">get it</a>
RP-22	2004-01-23	5	.	8	.	0	<a href="#">get it</a>

*WG (prime / other):* R4 / - *rapporteur:* SKÖLD, Johan Telefon AB LM Ericsson  
*G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

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## TS 25.105 Base Station (BS) radio transmission and reception (TDD)

Rel-5 *current version:* 5.5.0  
*freeze\_meeting:* RP-15  
*history (event, available, version, comments):*

RP-15	2002-03-29	5	.	0	.	0	
RP-16	2002-07-01	5	.	1	.	0	<a href="#">get it</a> <i>remarks - general:</i>
RP-17	2002-10-02	5	.	2	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
RP-18	2003-01-10	5	.	3	.	0	<a href="#">get it</a>
RP-19	2003-04-04	5	.	4	.	0	<a href="#">get it</a>
RP-22	2004-01-20	5	.	5	.	0	<a href="#">get it</a>

*WG (prime / other):* R4 / - *rapporteur:* KOTTKAMP, Meik SIEMENS AG  
*G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

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## TS 25.106 UTRA repeater radio transmission and reception

Rel-5 *current version:* 5.7.0  
*freeze\_meeting:* RP-15  
*history (event, available, version, comments):*

RP-15	2002-03-29	5	.	0	.	0	
RP-16	2002-07-01	5	.	1	.	0	<a href="#">get it</a> <i>remarks - general:</i>
RP-17	2002-10-02	5	.	2	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
RP-18	2003-01-10	5	.	3	.	0	<a href="#">get it</a>
RP-19	2003-04-04	5	.	4	.	0	<a href="#">get it</a>
RP-20	2003-06-27	5	.	5	.	0	<a href="#">get it</a>
RP-21	2003-10-10	5	.	6	.	0	<a href="#">get it</a>
RP-22	2004-01-20	5	.	7	.	0	<a href="#">get it</a>

*WG (prime / other):* R4 / - *rapporteur:* NILSSON, Martin Indicate persons who left Company and wait for new One  
*G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 25.113 Base station and repeater electromagnetic compatibility (EMC)

Rel-5 *current version:* 5.5.0 *WG (prime / other):* R4 / - *rapporteur:* BARNES, David DTI - Department of Trade and Industry  
*freeze\_meeting:* RP-15 *G:* U: yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version, comments):*

RP-15	2002-04-02	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
edito	2002-04-19	5	.	0	.	1	<a href="#">get it</a> <i>remarks - this release:</i> .
RP-16	2002-07-01	5	.	1	.	0	<a href="#">get it</a>
RP-17	2002-10-02	5	.	2	.	0	<a href="#">get it</a>
RP-18	2003-01-10	5	.	3	.	0	<a href="#">get it</a>
RP-19	2003-04-04	5	.	4	.	0	<a href="#">get it</a>
RP-22	2004-01-23	5	.	5	.	0	<a href="#">get it</a>

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## TS 25.123 Requirements for support of radio resource management (TDD)

Rel-5 *current version:* 5.8.0 *WG (prime / other):* R4 / - *rapporteur:* GUERRINI, Claudio TELECOM ITALIA S.p.A.  
*freeze\_meeting:* RP-15 *G:* U: yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version, comments):*

RP-15	2002-03-29	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
RP-16	2002-07-03	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
RP-17	2002-10-10	5	.	2	.	0	<a href="#">get it</a>
RP-18	2003-01-10	5	.	3	.	0	<a href="#">get it</a>
RP-19	2003-04-04	5	.	4	.	0	<a href="#">get it</a>
RP-20	2003-07-01	5	.	5	.	0	<a href="#">get it</a>
RP-21	2003-10-10	5	.	6	.	0	<a href="#">get it</a>
RP-22	2004-01-23	5	.	7	.	0	<a href="#">get it</a>
RP-23	2004-04-01	5	.	8	.	0	<a href="#">get it</a>

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs Rel-5 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.133 Requirements for support of radio resource management (FDD)

Rel-5 *current version:* 5.10.0 *WG (prime / other):* R4 / - *rapporteur:* GUERRINI, Claudio TELECOM ITALIA S.p.A.  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version, comments):*

RP-13	2001-10-10	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
RP-14	2002-01-17	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
RP-15	2002-03-29	5	.	2	.	0	<a href="#">get it</a>
RP-16	2002-07-04	5	.	3	.	0	<a href="#">get it</a>
RP-17	2002-10-04	5	.	4	.	0	<a href="#">get it</a>
RP-18	2003-01-10	5	.	5	.	0	<a href="#">get it</a>
RP-19	2003-04-04	5	.	6	.	0	<a href="#">get it</a>
RP-20	2003-07-02	5	.	7	.	0	<a href="#">get it</a>
RP-21	2003-10-10	5	.	8	.	0	<a href="#">get it</a>
RP-22	2004-01-23	5	.	9	.	0	<a href="#">get it</a>
RP-23	2004-04-01	5	.	10	.	0	<a href="#">get it</a>

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## TS 25.141 Base Station (BS) conformance testing (FDD)

Rel-5 *current version:* 5.8.0 *WG (prime / other):* R4 / - *rapporteur:* NAKAMURA, Takaharu Fujitsu Limited  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version, comments):*

RP-13	2001-10-03	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
RP-14	2002-01-16	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
RP-15	2002-04-02	5	.	2	.	0	<a href="#">get it</a>
RP-16	2002-07-04	5	.	3	.	0	<a href="#">get it</a>
edito post RP-16	2002-07-19	5	.	3	.	1	eliminate duplicate clause numbers <a href="#">get it</a>
RP-17	2002-10-04	5	.	4	.	0	<a href="#">get it</a>
RP-18	2003-01-10	5	.	5	.	0	<a href="#">get it</a>
RP-19	2003-04-04	5	.	6	.	0	<a href="#">get it</a>
RP-20	2003-06-27	5	.	7	.	0	<a href="#">get it</a>
RP-22	2004-01-23	5	.	8	.	0	<a href="#">get it</a>

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 25.142 Base Station (BS) conformance testing (TDD)

Rel-5 *current version:* 5.6.0

*freeze\_meeting:* RP-15

*history (event, available, version, comments):*

RP-15	2002-03-29	5	.	0	.	0
RP-16	2002-07-04	5	.	1	.	0
RP-17	2002-10-04	5	.	2	.	0
RP-18	2003-01-10	5	.	3	.	0
RP-19	2003-04-04	5	.	4	.	0
RP-20	2003-06-27	5	.	5	.	0
RP-22	2004-01-20	5	.	6	.	0

*WG (prime / other):* R4 / - *rapporteur:* MEYER, Juergen SIEMENS AG  
*G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* .  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 25.143 UTRA repeater conformance testing

Rel-5 *current version:* 5.7.0

*freeze\_meeting:* RP-15

*history (event, available, version, comments):*

RP-15	2002-03-19	5	.	0	.	0
RP-16	2002-07-03	5	.	1	.	0
RP-17	2002-10-02	5	.	2	.	0
RP-18	2003-01-10	5	.	3	.	0
RP-19	2003-04-04	5	.	4	.	0
RP-20	2003-06-27	5	.	5	.	0
RP-21	2003-10-10	5	.	6	.	0
RP-22	2004-01-20	5	.	7	.	0

*WG (prime / other):* R4 / - *rapporteur:* KUMMETZ, Thomas MIKOM GmbH - An Andrew Company  
*G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

[get it](#) *remarks - general:* Created by renumbering 25.107  
[get it](#) *remarks - this release:* .  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 25.201 Physical layer - general description

Rel-5 *current version:* 5.2.0

*freeze\_meeting:* RP-15

*history (event, available, version, comments):*

RP-15	2002-03-29	5	.	0	.	0
RP-16	2002-06-28	5	.	1	.	0
RP-17	2002-09-27	5	.	2	.	0

*WG (prime / other):* R1 / - *rapporteur:* GERSTENBERGER, Dirk Telefon AB LM Ericsson  
*G:* *U:* yes *MCC:* SASAKI, Tsukasa

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* .  
[get it](#)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 25.211</b>	<b>Physical channels and mapping of transport channels onto physical channels (FDD)</b>						
Rel-5	<i>current version:</i> 5.5.0	<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> PARKVALL, Stefan	Ericsson AB			
	<i>freeze_meeting:</i> RP-15	<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa				
	<i>history (event, available, version, comments):</i>						
	RP-15 2002-03-29 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
	RP-16 2002-06-28 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .				
	RP-17 2002-09-27 5 . 2 . 0	<a href="#">get it</a>					
	RP-18 2003-01-07 5 . 3 . 0	<a href="#">get it</a>					
	RP-20 2003-06-27 5 . 4 . 0	<a href="#">get it</a>					
	RP-21 2003-09-29 5 . 5 . 0	<a href="#">get it</a>					

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<b>TS 25.212</b>	<b>Multiplexing and channel coding (FDD)</b>						
Rel-5	<i>current version:</i> 5.8.0	<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> MICHEL, Jürgen	SIEMENS AG			
	<i>freeze_meeting:</i> RP-15	<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa				
	<i>history (event, available, version, comments):</i>						
	RP-15 2002-03-29 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
	RP-16 2002-06-28 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .				
	RP-17 2002-09-27 5 . 2 . 0	<a href="#">get it</a>					
	RP-18 2003-01-07 5 . 3 . 0	<a href="#">get it</a>					
	RP-19 2003-04-04 5 . 4 . 0	<a href="#">get it</a>					
	RP-20 2003-06-27 5 . 5 . 0	<a href="#">get it</a>					
	RP-21 2003-09-29 5 . 6 . 0	<a href="#">get it</a>					
	RP-22 2004-01-14 5 . 7 . 0	<a href="#">get it</a>					
	RP-23 2004-04-02 5 . 8 . 0	<a href="#">get it</a>					

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<b>TS 25.213</b>	<b>Spreading and modulation (FDD)</b>						
Rel-5	<i>current version:</i> 5.5.0	<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> WILLENEGGER, Serge	QUALCOMM EUROPE S.A.R.L.			
	<i>freeze_meeting:</i> RP-15	<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa				
	<i>history (event, available, version, comments):</i>						
	RP-15 2002-03-29 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
	RP-16 2002-06-28 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .				
	RP-17 2002-09-27 5 . 2 . 0	<a href="#">get it</a>					
	RP-19 2003-04-04 5 . 3 . 0	<a href="#">get it</a>					
	RP-21 2003-09-29 5 . 4 . 0	<a href="#">get it</a>					
	RP-22 2004-01-14 5 . 5 . 0	<a href="#">get it</a>					

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<b>TS 25.214</b>	<b>Physical layer procedures (FDD)</b>						
Rel-5	<i>current version:</i> 5.8.0	<i>WG (prime / other):</i>	R1 / -	<i>rapporteur:</i>	BOUMENDIL, Sarah	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> RP-15	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i>	SASAKI, Tsukasa		
	<i>history (event, available, version, comments):</i>						
	RP-15 2002-03-29	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	RP-16 2002-06-28	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .		
	RP-17 2002-09-27	5 . 2 . 0		<a href="#">get it</a>			
	RP-18 2003-01-07	5 . 3 . 0		<a href="#">get it</a>			
	RP-19 2003-04-04	5 . 4 . 0		<a href="#">get it</a>			
	RP-20 2003-06-27	5 . 5 . 0		<a href="#">get it</a>			
	RP-21 2003-09-29	5 . 6 . 0		<a href="#">get it</a>			
	RP-22 2004-01-14	5 . 7 . 0		<a href="#">get it</a>			
	RP-23 2004-04-02	5 . 8 . 0		<a href="#">get it</a>			

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<b>TS 25.215</b>	<b>Physical layer; Measurements (FDD)</b>						
Rel-5	<i>current version:</i> 5.5.0	<i>WG (prime / other):</i>	R1 / -	<i>rapporteur:</i>	SUZUKI, Hidetoshi	Panasonic Mobile Communications Co.,Ltd.	
	<i>freeze_meeting:</i> RP-15	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i>	SASAKI, Tsukasa		
	<i>history (event, available, version, comments):</i>						
	RP-15 2002-03-29	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	RP-17 2002-09-27	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .		
	RP-18 2003-01-07	5 . 2 . 0		<a href="#">get it</a>			
	RP-19 2003-04-04	5 . 3 . 0		<a href="#">get it</a>			
	RP-20 2003-06-27	5 . 4 . 0		<a href="#">get it</a>			
	RP-21 2003-09-29	5 . 5 . 0		<a href="#">get it</a>			

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<b>TS 25.221</b>	<b>Physical channels and mapping of transport channels onto physical channels (TDD)</b>						
Rel-5	<i>current version:</i> 5.5.0	<i>WG (prime / other):</i>	R1 / -	<i>rapporteur:</i>	CHAPMAN, Thomas	SIEMENS AG	
	<i>freeze_meeting:</i> RP-15	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i>	SASAKI, Tsukasa		
	<i>history (event, available, version, comments):</i>						
	RP-15 2002-03-29	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	RP-16 2002-06-28	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .		
	RP-17 2002-09-27	5 . 2 . 0		<a href="#">get it</a>			
	RP-18 2003-01-07	5 . 3 . 0		<a href="#">get it</a>			
	RP-19 2003-04-04	5 . 4 . 0		<a href="#">get it</a>			
	RP-20 2003-06-27	5 . 5 . 0		<a href="#">get it</a>			

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 25.222</b>	<b>Multiplexing and channel coding (TDD)</b>								
Rel-5	<i>current version:</i> 5.6.0								
	<i>freeze_meeting:</i> RP-15								
	<i>history (event, available, version, comments):</i>								
	RP-15	2002-03-29	5	.	0	.	0		
	RP-16	2002-06-28	5	.	1	.	0	<a href="#">get it</a>	remarks - general:
	RP-17	2002-09-27	5	.	2	.	0	<a href="#">get it</a>	remarks - this release: .
	editorial to correct	2002-10-22	5	.	2	.	1	<a href="#">get it</a>	
	clause numbers								
	RP-18	2003-01-07	5	.	3	.	0	<a href="#">get it</a>	
	RP-19	2003-04-04	5	.	4	.	0	<a href="#">get it</a>	
	RP-20	2003-06-27	5	.	5	.	0	<a href="#">get it</a>	
	RP-22	2004-01-14	5	.	6	.	0	<a href="#">get it</a>	Minor problems implementing CRs. See readme file.
<b>TS 25.223</b>	<b>Spreading and modulation (TDD)</b>								
Rel-5	<i>current version:</i> 5.3.0								
	<i>freeze_meeting:</i> RP-15								
	<i>history (event, available, version, comments):</i>								
	RP-15	2002-03-29	5	.	0	.	0	<a href="#">get it</a>	remarks - general:
	RP-16	2002-06-28	5	.	1	.	0	<a href="#">get it</a>	remarks - this release: .
	RP-18	2003-01-07	5	.	2	.	0	<a href="#">get it</a>	
	RP-19	2003-04-04	5	.	3	.	0	<a href="#">get it</a>	
<b>TS 25.224</b>	<b>Physical layer procedures (TDD)</b>								
Rel-5	<i>current version:</i> 5.7.0								
	<i>freeze_meeting:</i> RP-15								
	<i>history (event, available, version, comments):</i>								
	RP-15	2002-03-29	5	.	0	.	0	<a href="#">get it</a>	remarks - general:
	RP-16	2002-06-28	5	.	1	.	0	<a href="#">get it</a>	remarks - this release: .
	RP-17	2002-09-27	5	.	2	.	0	<a href="#">get it</a>	
	editorial to correct	2002-10-22	5	.	2	.	1	<a href="#">get it</a>	
	clause numbers								
	RP-18	2003-01-07	5	.	3	.	0	<a href="#">get it</a>	
	RP-19	2003-04-04	5	.	4	.	0	<a href="#">get it</a>	
	RP-20	2003-06-27	5	.	5	.	0	<a href="#">get it</a>	
	RP-21	2003-09-29	5	.	6	.	0	<a href="#">get it</a>	
	RP-22	2004-01-14	5	.	7	.	0	<a href="#">get it</a>	

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 25.225</b>	<b>Physical layer; Measurements (TDD)</b>						
Rel-5	<i>current version:</i> 5.7.0	<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> CZAPLA, Liliana	INTERDIGITAL COMMUNICATIONS CORPORATION			
	<i>freeze_meeting:</i> RP-15	<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa				
	<i>history (event, available, version, comments):</i>						
	RP-15 2002-04-02 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
	RP-16 2002-06-28 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .				
	RP-17 2002-09-27 5 . 2 . 0	<a href="#">get it</a>					
	RP-18 2003-01-07 5 . 3 . 0	<a href="#">get it</a>					
	RP-19 2003-04-04 5 . 4 . 0	<a href="#">get it</a>					
	RP-20 2003-06-27 5 . 5 . 0	<a href="#">get it</a>					
	RP-22 2004-01-14 5 . 6 . 0	<a href="#">get it</a>					
	RP-23 2004-04-02 5 . 7 . 0	<a href="#">get it</a>					

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<b>TS 25.301</b>	<b>Radio Interface Protocol Architecture</b>						
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> GRANZOW, Wolfgang	ERICSSON Eurolab Deutschland GmbH			
	<i>freeze_meeting:</i> RP-15	<i>G:</i> U: yes	<i>MCC:</i> ARZELIER, Claude				
	<i>history (event, available, version, comments):</i>						
	RP-15 2002-03-19 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
	RP-16 2002-06-17 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .				
	RP-17 2002-09-18 5 . 2 . 0	<a href="#">get it</a>					

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<b>TS 25.302</b>	<b>Services provided by the physical layer</b>						
Rel-5	<i>current version:</i> 5.7.0	<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> MIHAILESCU, Claudiu	NORTEL NETWORKS (EUROPE)			
	<i>freeze_meeting:</i> RP-15	<i>G:</i> U: yes	<i>MCC:</i> ARZELIER, Claude				
	<i>history (event, available, version, comments):</i>						
	RP-15 2002-03-19 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> V3.0.0 approved via e-mail July 99 CR at TSG#5?				
	RP-16 2002-06-17 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .				
	RP-17 2002-09-18 5 . 2 . 0	<a href="#">get it</a>					
	RP-18 2002-12-20 5 . 3 . 0	<a href="#">get it</a>					
	RP-19 2003-03-25 5 . 4 . 0	<a href="#">get it</a>					
	RP-20 2003-06-20 5 . 5 . 0	<a href="#">get it</a>					
	RP-21 2003-10-02 5 . 6 . 0	<a href="#">get it</a>					
	RP-22 2004-01-12 5 . 7 . 0	<a href="#">get it</a>					

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 25.303</b>	<b>Interlayer procedures in Connected Mode</b>						
Rel-5	<i>current version:</i> 5.1.0		<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> RINNE, Mikko J		Nokia Research Center	
	<i>freeze_meeting:</i> RP-15		<i>G:</i> U: yes	<i>MCC:</i> ARZELIER, Claude			
	<i>history (event, available, version, comments):</i>						
	RP-15 2002-03-19	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	RP-16 2002-06-17	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .		
<hr/>							
<b>TS 25.304</b>	<b>User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode</b>						
Rel-5	<i>current version:</i> 5.4.0		<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> MAHKONEN, Marko		NOKIA Corporation	
	<i>freeze_meeting:</i> RP-15		<i>G:</i> U: yes	<i>MCC:</i> ARZELIER, Claude			
	<i>history (event, available, version, comments):</i>						
	RP-15 2002-03-19	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	RP-16 2002-06-17	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .		
	RP-18 2003-01-08	5 . 2 . 0		<a href="#">get it</a>			
	RP-20 2003-06-25	5 . 3 . 0		<a href="#">get it</a>			
	RP-23 2004-03-24	5 . 4 . 0		<a href="#">get it</a>			
<hr/>							
<b>TS 25.305</b>	<b>User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2</b>						
Rel-5	<i>current version:</i> 5.8.0		<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> MIHAILESCU, Claudiu		NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> RP-15		<i>G:</i> U: yes	<i>MCC:</i> ARZELIER, Claude			
	<i>history (event, available, version, comments):</i>						
	RP-11 2001-03-27	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> Created from 25.923		
	RP-12 2001-06-19	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	RP-13 2001-10-02	5 . 2 . 0		<a href="#">get it</a>			
	RP-14 2002-01-04	5 . 3 . 0		<a href="#">get it</a>			
	RP-15 2002-03-19	5 . 4 . 0		<a href="#">get it</a>			
	RP-19 2003-03-25	5 . 5 . 0		<a href="#">get it</a>			
	RP-20 2003-06-20	5 . 6 . 0		<a href="#">get it</a>			
	RP-21 2003-10-02	5 . 7 . 0		<a href="#">get it</a>			
	RP-22 2004-01-12	5 . 8 . 0		<a href="#">get it</a>			

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 25.306 UE Radio Access capabilities definition

Rel-5 *current version:* 5.8.0 *WG (prime / other):* R2 / - *rapporteur:* BERGGREN, Anders Ericsson Incorporated  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* ARZELIER, Claude

*history (event, available, version, comments):*

RP-15	2002-03-19	5	.	0	.	0
RP-16	2002-06-17	5	.	1	.	0
RP-17	2002-09-18	5	.	2	.	0
RP-18	2003-01-08	5	.	3	.	0
RP-19	2003-03-25	5	.	4	.	0
RP-20	2003-06-20	5	.	5	.	0
RP-21	2003-10-02	5	.	6	.	0
RP-22	2004-01-12	5	.	7	.	0
RP-23	2004-03-24	5	.	8	.	0

[get it](#) *remarks - general:* Converted from TR 25.926 at TSG#10.  
[get it](#) *remarks - this release:* .  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 25.307 Requirements on UEs supporting a release-independent frequency band

Rel-5 *current version:* 5.2.0 *WG (prime / other):* R2 / R4 *rapporteur:* FAUCONNIER, Denis NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* ARZELIER, Claude

*history (event, available, version, comments):*

RP-15	2002-03-19	5	.	0	.	0
RP-22	2004-01-12	5	.	1	.	0
RP-23	2004-03-24	5	.	2	.	0

[get it](#) *remarks - general:* Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4  
[get it](#) *remarks - this release:* Expect continual updates each time a new band is allowed. = RF & RMM requirements.  
[get it](#)

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## TS 25.308 UTRA High Speed Downlink Packet Access (HSDPA); Overall description; Stage 2

Rel-5 *current version:* 5.5.0 *WG (prime / other):* R2 / *rapporteur:* KUCHIBHOTLA, Ravi MOTOROLA Ltd  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* ARZELIER, Claude

*history (event, available, version, comments):*

RP-13	2001-10-01	0	.	1	.	0	RP-010643 for approval
RP-13	2001-10-02	5	.	0	.	0	
RP-14	2002-01-04	5	.	1	.	0	
RP-15	2002-03-21	5	.	2	.	0	
RP-18	2003-01-14	5	.	3	.	0	
RP-19	2003-03-25	5	.	4	.	0	
RP-23	2004-03-24	5	.	5	.	0	

[get it](#) *remarks - general:* TS created from entrails of TR 25.855.  
[get it](#) *remarks - this release:* .  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 25.321 Medium Access Control (MAC) protocol specification

Rel-5 *current version:* 5.8.0  
*freeze\_meeting:* RP-15  
*history (event, available, version, comments):*

RP-15	2002-03-19	5	.	0	.	0	
RP-16	2002-06-17	5	.	1	.	0	<a href="#">get it</a> <i>remarks - general:</i>
RP-17	2002-09-18	5	.	2	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
RP-18	2003-01-08	5	.	3	.	0	<a href="#">get it</a>
RP-19	2003-03-25	5	.	4	.	0	<a href="#">get it</a>
RP-20	2003-06-20	5	.	5	.	0	<a href="#">get it</a>
RP-21	2003-10-02	5	.	6	.	0	<a href="#">get it</a>
RP-22	2004-01-12	5	.	7	.	0	<a href="#">get it</a>
RP-23	2004-03-24	5	.	8	.	0	<a href="#">get it</a>

*WG (prime / other):* R2 / - *rapporteur:* STADLER, Thomas SIEMENS AG  
*G:* *U:* yes *MCC:* ARZELIER, Claude

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## TS 25.322 Radio Link Control (RLC) protocol specification

Rel-5 *current version:* 5.7.0  
*freeze\_meeting:* RP-15  
*history (event, available, version, comments):*

RP-15	2002-03-19	5	.	0	.	0	
RP-16	2002-06-17	5	.	1	.	0	<a href="#">get it</a> <i>remarks - general:</i>
RP-17	2002-09-19	5	.	2	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
RP-18	2003-01-10	5	.	3	.	0	<a href="#">get it</a>
RP-19	2003-03-25	5	.	4	.	0	<a href="#">get it</a>
RP-20	2003-06-20	5	.	5	.	0	<a href="#">get it</a>
RP-21	2003-10-02	5	.	6	.	0	<a href="#">get it</a>
RP-22	2004-01-12	5	.	7	.	0	<a href="#">get it</a>

*WG (prime / other):* R2 / - *rapporteur:* MADELAINE, Sebastien PHILIPS CONSUMER COMMUNICATION  
*G:* *U:* yes *MCC:* ARZELIER, Claude

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## TS 25.323 Packet Data Convergence Protocol (PDCP) specification

Rel-5 *current version:* 5.2.0  
*freeze\_meeting:* RP-15  
*history (event, available, version, comments):*

RP-15	2002-03-19	5	.	0	.	0	
RP-16	2002-06-17	5	.	1	.	0	<a href="#">get it</a> <i>remarks - general:</i>
RP-17	2002-09-18	5	.	2	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .

*WG (prime / other):* R2 / - *rapporteur:* HANS, Martin INFINEON TECHNOLOGIES  
*G:* *U:* yes *MCC:* ARZELIER, Claude

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 25.324 Broadcast/Multicast Control (BMC)

Rel-5 *current version:* 5.3.0 *WG (prime / other):* R2 / - *rapporteur:* HARTL, Mike Vodafone D2 GmbH  
*freeze\_meeting:* RP-15 *G:* U: yes *MCC:* ARZELIER, Claude  
*history (event, available, version, comments):*  
RP-15 2002-03-19 5 . 0 . 0 [get it](#) *remarks - general:*  
RP-16 2002-06-17 5 . 1 . 0 [get it](#) *remarks - this release:* .  
RP-18 2003-01-13 5 . 2 . 0 [get it](#)  
RP-19 2003-03-25 5 . 3 . 0 [get it](#)

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## TS 25.331 Radio Resource Control (RRC) protocol specification

Rel-5 *current version:* 5.8.0 *WG (prime / other):* R2 / - *rapporteur:* KUCHIBHOTLA, Ravi MOTOROLA Ltd  
*freeze\_meeting:* RP-15 *G:* U: yes *MCC:* ARZELIER, Claude  
*history (event, available, version, comments):*  
RP-15 2002-04-04 5 . 0 . 0 [get it](#) *remarks - general:*  
RP-16 2002-06-21 5 . 1 . 0 [get it](#) *remarks - this release:* .  
RP-17 2002-10-01 5 . 2 . 0 [get it](#)  
RP-18 2003-02-03 5 . 3 . 0 [get it](#)  
RP-19 2003-03-27 5 . 4 . 0 [get it](#)  
RP-20 2003-06-25 5 . 5 . 0 [get it](#)  
RP-21 2003-10-02 5 . 6 . 0 [get it](#)  
RP-22 2004-01-12 5 . 7 . 0 [get it](#)  
edito post RP-22 2004-01-20 5 . 7 . 1 [get it](#) Some figures are not visible in these 2 documents. See figure 8.3.1-5 and 8.3.1-6, figures 8.3.1-8 to 8.3.1-10. There is an error message => Error! Objects cannot be created from editing field codes.  
RP-23 2004-03-29 5 . 8 . 0 [get it](#)

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<b>TS 25.401</b>	<b>UTRAN overall description</b>								
Rel-5	<i>current version:</i> 5.7.0		<i>WG (prime / other):</i> R3 / -		<i>rapporteur:</i> GODIN, Philippe				NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting:</i> RP-15		<i>G:</i>	<i>U: yes</i>	<i>MCC:</i>				CALDENHOVEN, Juergen
	<i>history (event, available, version, comments):</i>								
	RP-12	2001-07-06	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i> Approval at TSG#5
	RP-13	2001-10-12	5	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> .
	RP-15	2002-04-02	5	.	2	.	0	<a href="#">get it</a>	
	RP-16	2002-06-28	5	.	3	.	0	<a href="#">get it</a>	
	RP-17	2002-09-30	5	.	4	.	0	<a href="#">get it</a>	
	RP-18	2003-01-03	5	.	5	.	0	<a href="#">get it</a>	
	RP-20	2003-06-17	5	.	6	.	0	<a href="#">get it</a>	
	RP-22	2004-01-13	5	.	7	.	0	<a href="#">get it</a>	

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<b>TS 25.402</b>	<b>Synchronisation in UTRAN Stage 2</b>								
Rel-5	<i>current version:</i> 5.3.0		<i>WG (prime / other):</i> R3 / -		<i>rapporteur:</i> KUNZ, Walter				SIEMENS AG
	<i>freeze_meeting:</i> RP-15		<i>G:</i>	<i>U: yes</i>	<i>MCC:</i>				CALDENHOVEN, Juergen
	<i>history (event, available, version, comments):</i>								
	RP-15	2002-04-02	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i> New
	RP-16	2002-06-28	5	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> .
	RP-20	2003-06-17	5	.	2	.	0	<a href="#">get it</a>	
	RP-22	2004-01-13	5	.	3	.	0	<a href="#">get it</a>	

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<b>TS 25.410</b>	<b>UTRAN Iu Interface: General Aspects and Principles</b>								
Rel-5	<i>current version:</i> 5.3.0		<i>WG (prime / other):</i> R3 / -		<i>rapporteur:</i> DIESEN, Michael				MOTOROLA Ltd
	<i>freeze_meeting:</i> RP-15		<i>G:</i>	<i>U: yes</i>	<i>MCC:</i>				CALDENHOVEN, Juergen
	<i>history (event, available, version, comments):</i>								
	RP-15	2002-03-25	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i> Approval at TSG#5
	RP-16	2002-06-28	5	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> .
	RP-17	2002-09-30	5	.	2	.	0	<a href="#">get it</a>	
	RP-18	2003-01-03	5	.	3	.	0	<a href="#">get it</a>	

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<b>TS 25.411</b>	<b>UTRAN Iu interface layer 1</b>								
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> R3 / -		<i>rapporteur:</i> KUNZ, Walter				SIEMENS AG
	<i>freeze_meeting:</i> RP-15		<i>G:</i>	<i>U: yes</i>	<i>MCC:</i>				CALDENHOVEN, Juergen
	<i>history (event, available, version, comments):</i>								
	RP-15	2002-03-25	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
									<i>remarks - this release:</i> .

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G = required in systems with GERAN access; U = required in systems with UMTS access.



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<b>TS 25.412</b>	<b>UTRAN Iu interface signalling transport</b>								
Rel-5	<i>current version:</i> 5.1.0		<i>WG (prime / other):</i> R3 / -		<i>rapporteur:</i> NG, Cheng Hock				NEC Corporation
	<i>freeze_meeting:</i> RP-15		G: U: yes		<i>MCC:</i> CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>								
	RP-15 2002-03-25	5 . 0 . 0		<a href="#">get it</a>				<i>remarks - general:</i>	
	RP-17 2002-09-30	5 . 1 . 0		<a href="#">get it</a>				<i>remarks - this release:</i>	.
<hr/>									
<b>TS 25.413</b>	<b>UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling</b>								
Rel-5	<i>current version:</i> 5.8.0		<i>WG (prime / other):</i> R3 / -		<i>rapporteur:</i> GUYOT, Olivier				NOKIA Corporation
	<i>freeze_meeting:</i> RP-15		G: U: yes		<i>MCC:</i> CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>								
	RP-15 2002-04-02	5 . 0 . 0		<a href="#">get it</a>				<i>remarks - general:</i>	
	RP-16 2002-07-05	5 . 1 . 0		<a href="#">get it</a>				<i>remarks - this release:</i>	.
	RP-17 2002-10-11	5 . 2 . 0		<a href="#">get it</a>					
	RP-18 2003-01-03	5 . 3 . 0		<a href="#">get it</a>					
	RP-19 2003-03-26	5 . 4 . 0		<a href="#">get it</a>					
	RP-20 2003-06-17	5 . 5 . 0		<a href="#">get it</a>					
	RP-21 2003-09-30	5 . 6 . 0		<a href="#">get it</a>					
	RP-22 2004-01-13	5 . 7 . 0		<a href="#">get it</a>					
	RP-23 2004-04-01	5 . 8 . 0		<a href="#">get it</a>					
<hr/>									
<b>TS 25.414</b>	<b>UTRAN Iu interface data transport &amp; transport signalling</b>								
Rel-5	<i>current version:</i> 5.5.0		<i>WG (prime / other):</i> R3 / -		<i>rapporteur:</i> ISRAELSSON, Martin				Telefon AB LM Ericsson
	<i>freeze_meeting:</i> RP-15		G: U: yes		<i>MCC:</i> CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>								
	RP-15 2002-04-02	5 . 0 . 0		<a href="#">get it</a>				<i>remarks - general:</i>	
	RP-16 2002-06-28	5 . 1 . 0		<a href="#">get it</a>				<i>remarks - this release:</i>	.
	RP-17 2002-09-30	5 . 2 . 0		<a href="#">get it</a>					
	RP-18 2003-01-03	5 . 3 . 0		<a href="#">get it</a>					
	RP-19 2003-03-26	5 . 4 . 0		<a href="#">get it</a>					
	RP-22 2004-01-13	5 . 5 . 0		<a href="#">get it</a>					

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 25.415</b>	<b>UTRAN Iu interface user plane protocols</b>								
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i>	R3	/ -	<i>rapporteur:</i>	ISRAELSSON, Martin	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> RP-15	<i>G:</i>		<i>U:</i> yes	<i>MCC:</i>	CALDENHOVEN, Juergen			
	<i>history (event, available, version, comments):</i>								
	RP-15	2002-03-25	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	RP-16	2002-06-28	5	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> .
	RP-17	2002-09-30	5	.	2	.	0	<a href="#">get it</a>	
	RP-18	2003-01-03	5	.	3	.	0	<a href="#">get it</a>	
<hr/>									
<b>TS 25.419</b>	<b>UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)</b>								
Rel-5	<i>current version:</i> 5.7.0	<i>WG (prime / other):</i>	R3	/ -	<i>rapporteur:</i>	MCWILLIAMS, Brendan	VODAFONE Group Plc		
	<i>freeze_meeting:</i> RP-15	<i>G:</i>		<i>U:</i> yes	<i>MCC:</i>	CALDENHOVEN, Juergen			
	<i>history (event, available, version, comments):</i>								
	TP-15	2002-03-25	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	RP-16	2002-06-28	5	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> .
	RP-17	2002-10-03	5	.	2	.	0	<a href="#">get it</a>	
	RP-19	2003-03-26	5	.	3	.	0	<a href="#">get it</a>	
	RP-20	2003-06-17	5	.	4	.	0	<a href="#">get it</a>	
	RP-21	2003-09-30	5	.	5	.	0	<a href="#">get it</a>	
	RP-22	2004-01-13	5	.	6	.	0	<a href="#">get it</a>	
	RP-23	2004-04-01	5	.	7	.	0	<a href="#">get it</a>	
<hr/>									
<b>TS 25.420</b>	<b>UTRAN Iur Interface: General Aspects and Principles</b>								
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i>	R3	/ -	<i>rapporteur:</i>	PALAT, Sudeep	Lucent Technologies Network Systems UK		
	<i>freeze_meeting:</i> RP-15	<i>G:</i>		<i>U:</i> yes	<i>MCC:</i>	CALDENHOVEN, Juergen			
	<i>history (event, available, version, comments):</i>								
	RP-15	2002-04-02	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	RP-17	2002-10-03	5	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> .
<hr/>									
<b>TS 25.421</b>	<b>UTRAN Iur interface Layer 1</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	R3	/ -	<i>rapporteur:</i>	KUNZ, Walter	SIEMENS AG		
	<i>freeze_meeting:</i> RP-15	<i>G:</i>		<i>U:</i> yes	<i>MCC:</i>	CALDENHOVEN, Juergen			
	<i>history (event, available, version, comments):</i>								
	TP-15	2002-03-25	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
									<i>remarks - this release:</i> .

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 25.422</b>	<b>UTRAN Iur interface signalling transport</b>								
Rel-5	<i>current version:</i> 5.1.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> PALAT, Sudeep	Lucent Technologies Network Systems UK				
	<i>freeze_meeting:</i> RP-15		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>								
	RP-15	2002-04-02	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	RP-17	2002-10-03	5	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> .
<hr/>									
<b>TS 25.423</b>	<b>UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling</b>								
Rel-5	<i>current version:</i> 5.9.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> ERICSSON, Ingela	Telefon AB LM Ericsson				
	<i>freeze_meeting:</i> RP-15		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>								
	RP-15	2002-04-02	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	RP-16	2002-07-19	5	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> .
PCG post	RP-16	2002-08-06	5	.	2	.	0	<a href="#">get it</a>	One CR endorsed by PCG
	RP-17	2002-10-11	5	.	3	.	0	<a href="#">get it</a>	
	RP-18	2003-01-03	5	.	4	.	0	<a href="#">get it</a>	
	RP-19	2003-03-31	5	.	5	.	0	<a href="#">get it</a>	
	RP-20	2003-06-17	5	.	6	.	0	<a href="#">get it</a>	
	RP-21	2003-09-30	5	.	7	.	0	<a href="#">get it</a>	
	RP-22	2004-01-22	5	.	8	.	0	<a href="#">get it</a>	
	RP-23	2004-04-01	5	.	9	.	0	<a href="#">get it</a>	
<hr/>									
<b>TS 25.424</b>	<b>UTRAN Iur interface data transport &amp; transport signalling for CCH data streams</b>								
Rel-5	<i>current version:</i> 5.4.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> DREVON, Nicolas	ALCATEL S.A.				
	<i>freeze_meeting:</i> RP-15		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>								
	RP-15	2002-04-02	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	RP-16	2002-06-28	5	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> .
	RP-21	2003-09-30	5	.	2	.	0	<a href="#">get it</a>	
	RP-22	2004-01-13	5	.	3	.	0	<a href="#">get it</a>	
	RP-23	2004-04-01	5	.	4	.	0	<a href="#">get it</a>	

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## TS 25.425 UTRAN Iur interface user plane protocols for CCH data streams

Rel-5 *current version:* 5.7.0 *WG (prime / other):* R3 / - *rapporteur:* DREVON, Nicolas ALCATEL S.A.  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

RP-15	2002-04-02	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
RP-16	2002-06-28	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
RP-17	2002-10-03	5	.	2	.	0	<a href="#">get it</a>
RP-18	2003-01-03	5	.	3	.	0	<a href="#">get it</a>
RP-19	2003-03-26	5	.	4	.	0	<a href="#">get it</a>
RP-20	2003-06-17	5	.	5	.	0	<a href="#">get it</a>
RP-22	2004-01-13	5	.	6	.	0	<a href="#">get it</a>
RP-23	2004-04-01	5	.	7	.	0	<a href="#">get it</a>

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## TS 25.426 UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams

Rel-5 *current version:* 5.4.0 *WG (prime / other):* R3 / - *rapporteur:* KEKKI, Sami NOKIA Corporation  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

RP-15	2002-04-02	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
RP-16	2002-06-28	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
RP-17	2002-10-03	5	.	2	.	0	<a href="#">get it</a>
RP-21	2003-09-30	5	.	3	.	0	<a href="#">get it</a>
RP-23	2004-04-01	5	.	4	.	0	<a href="#">get it</a>

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## TS 25.427 UTRAN Iur and Iub interface user plane protocols for DCH data streams

Rel-5 *current version:* 5.3.0 *WG (prime / other):* R3 / - *rapporteur:* HAKULI, Tuomas NOKIA Corporation  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

RP-15	2002-03-25	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
RP-18	2003-01-03	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
RP-21	2003-09-30	5	.	2	.	0	<a href="#">get it</a>
RP-22	2004-01-13	5	.	3	.	0	<a href="#">get it</a>

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 25.430</b>	<b>UTRAN lub Interface: General Aspects and Principles</b>								
Rel-5	<i>current version:</i> 5.2.0								
	<i>freeze_meeting:</i> RP-15								
	<i>history (event, available, version, comments):</i>								
	RP-15 2002-03-25	5	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
edito post	RP-15	5	.	0	.	1	not produced		<i>remarks - this release:</i> .
	RP-16 2002-06-28	5	.	1	.	0	To include CR029r2 from RP-15 which was forgotten in v5.0.0.	<a href="#">get it</a>	
	RP-17 2002-10-03	5	.	2	.	0		<a href="#">get it</a>	
<hr/>									
<b>TS 25.431</b>	<b>UTRAN lub interface Layer 1</b>								
Rel-5	<i>current version:</i> 5.0.0								
	<i>freeze_meeting:</i> RP-15								
	<i>history (event, available, version, comments):</i>								
	RP-15 2002-03-25	5	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
									<i>remarks - this release:</i> .
<hr/>									
<b>TS 25.432</b>	<b>UTRAN lub interface: signalling transport</b>								
Rel-5	<i>current version:</i> 5.1.0								
	<i>freeze_meeting:</i> RP-15								
	<i>history (event, available, version, comments):</i>								
	RP-15 2002-03-25	5	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
edito post	RP-15 2002-04-03	5	.	0	.	1		<a href="#">get it</a>	<i>remarks - this release:</i> .
	RP-17 2002-10-03	5	.	1	.	0		<a href="#">get it</a>	

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<b>TS 25.433</b>	<b>UTRAN lub interface NBAP signalling</b>								
Rel-5	<i>current version:</i> 5.8.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> SEHEDIC, Yann	Nortel Networks Germany GmbH & Co. KG				
	<i>freeze_meeting:</i> RP-15		<i>G:</i>	<i>MCC:</i> CALDENHOVEN, Juergen					
			<i>U:</i> yes						
	<i>history (event, available, version, comments):</i>								
	RP-15	2002-04-04	5 . 0 . 0	2003-08-18: implementation error of CR609r1. Will be corrected RP-21.	<a href="#">get it</a>	<i>remarks - general:</i>			
	RP-16	2002-07-19	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>			
	RP-17	2002-10-11	5 . 2 . 0		<a href="#">get it</a>				
	RP-18	2003-01-03	5 . 3 . 0		<a href="#">get it</a>				
	RP-19	2003-03-31	5 . 4 . 0		<a href="#">get it</a>				
	RP-20	2003-06-17	5 . 5 . 0		<a href="#">get it</a>				
	RP-21	2003-10-02	5 . 6 . 0		<a href="#">get it</a>				
	RP-22	2004-01-22	5 . 7 . 0		<a href="#">get it</a>				
	RP-23	2004-04-01	5 . 8 . 0		<a href="#">get it</a>				

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<b>TS 25.434</b>	<b>UTRAN lub interface data transport &amp; transport signalling for CCH data streams</b>								
Rel-5	<i>current version:</i> 5.4.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> LAVASANI, Shahab	TeliaSonera AB				
	<i>freeze_meeting:</i> RP-15		<i>G:</i>	<i>MCC:</i> CALDENHOVEN, Juergen					
			<i>U:</i> yes						
	<i>history (event, available, version, comments):</i>								
	RP-15	2002-04-02	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	RP-16	2002-06-28	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>			
	RP-21	2003-09-30	5 . 2 . 0		<a href="#">get it</a>				
	RP-22	2004-01-13	5 . 3 . 0		<a href="#">get it</a>				
	RP-23	2004-04-01	5 . 4 . 0		<a href="#">get it</a>				

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<b>TS 25.435</b>	<b>UTRAN lub interface user plane protocols for CCH data streams</b>								
Rel-5	<i>current version:</i> 5.7.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> STOJANOVSKI, Saso	NORTEL NETWORKS (EUROPE)				
	<i>freeze_meeting:</i> RP-15		<i>G:</i>	<i>MCC:</i> CALDENHOVEN, Juergen					
			<i>U:</i> yes						
	<i>history (event, available, version, comments):</i>								
	RP-15	2002-04-02	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	RP-16	2002-06-28	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>			
	RP-17	2002-10-03	5 . 2 . 0		<a href="#">get it</a>				
	RP-18	2003-01-03	5 . 3 . 0		<a href="#">get it</a>				
	RP-19	2003-03-26	5 . 4 . 0		<a href="#">get it</a>				
	RP-20	2003-06-17	5 . 5 . 0		<a href="#">get it</a>				
	RP-22	2004-01-13	5 . 6 . 0		<a href="#">get it</a>				
	RP-23	2004-04-01	5 . 7 . 0		<a href="#">get it</a>				

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<b>TS 25.442</b>	<b>UTRAN implementation-specific O&amp;M transport</b>								
Rel-5	<i>current version:</i> 5.1.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> HAUSER, Alexander	Indicate persons who left Company and wait for new One				
	<i>freeze_meeting:</i> RP-15		G:	U: yes	<i>MCC:</i> CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>								
	RP-15 2002-03-28	5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>			
	edito post RP-15	5 . 0 . 1				<i>remarks - this release:</i> .			
	RP-17 2002-10-03	5 . 1 . 0			<a href="#">get it</a>				

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<b>TS 25.450</b>	<b>UTRAN lupc interface general aspects and principles</b>								
Rel-5	<i>current version:</i> 5.1.0		<i>WG (prime / other):</i> R3 /	<i>rapporteur:</i> JOLLEY, Vincent	QUALCOMM EUROPE S.A.R.L.				
	<i>freeze_meeting:</i> RP-15		G:	U: yes	<i>MCC:</i> CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>								
	RP-12	2 . 0 . 0				<i>remarks - general:</i>			
	RP-12 2001-07-05	5 . 0 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> .			
	RP-14 2002-01-11	5 . 1 . 0			<a href="#">get it</a>				

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<b>TS 25.451</b>	<b>UTRAN lupc interface layer 1</b>								
Rel-5	<i>current version:</i> 5.0.1		<i>WG (prime / other):</i> R3 /	<i>rapporteur:</i> JOLLEY, Vincent	QUALCOMM EUROPE S.A.R.L.				
	<i>freeze_meeting:</i> RP-15		G:	U: yes	<i>MCC:</i> CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>								
	RP-12	2 . 0 . 0				<i>remarks - general:</i>			
	RP-12 2001-07-05	5 . 0 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> .			
	correction to 2002-04-24	5 . 0 . 1			<a href="#">get it</a>				
	history table								

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<b>TS 25.452</b>	<b>UTRAN lupc interface: signalling transport</b>								
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> R3 /	<i>rapporteur:</i> JOLLEY, Vincent	QUALCOMM EUROPE S.A.R.L.				
	<i>freeze_meeting:</i> RP-15		G:	U: yes	<i>MCC:</i> CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>								
	RP-13 2001-09-26	2 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>			
	RP-13 2001-10-12	5 . 0 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> .			

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<b>TS 25.453</b>	<b>UTRAN Iu-PS interface Positioning Calculation Application Part (PCAP) signalling</b>						
Rel-5	<i>current version:</i> 5.9.0	<i>WG (prime / other):</i>	R3 /	<i>rapporteur:</i>	JOLLEY, Vincent	QUALCOMM EUROPE S.A.R.L.	
	<i>freeze_meeting:</i> RP-15	G:	U: yes	<i>MCC:</i>	CALDENHOVEN, Juergen		
	<i>history (event, available, version, comments):</i>						
	RP-12	2 . 0 . 0	RP-010402				<i>remarks - general:</i>
	RP-12	2001-07-05	5 . 0 . 0				<i>remarks - this release:</i> .
	RP-13	2001-10-12	5 . 1 . 0		<a href="#">get it</a>		
	RP-14	2002-01-11	5 . 2 . 0		<a href="#">get it</a>		
	RP-15	2002-03-25	5 . 3 . 0		<a href="#">get it</a>		
	RP-16	2002-06-28	5 . 4 . 0		<a href="#">get it</a>		
	RP-19	2003-03-26	5 . 5 . 0		<a href="#">get it</a>		
	RP-20	2003-06-17	5 . 6 . 0		<a href="#">get it</a>		
	RP-21	2003-09-30	5 . 7 . 0		<a href="#">get it</a>		
	RP-22	2004-01-13	5 . 8 . 0		<a href="#">get it</a>		
	RP-23	2004-04-06	5 . 9 . 0		<a href="#">get it</a>		
<hr/>							
<b>TR 25.854</b>	<b>Uplink Synchronous Transmission Scheme (USTS)</b>						
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	R1 /	<i>rapporteur:</i>	KIM, Duk Kyung	SK TELECOM	
	<i>freeze_meeting:</i> RP-15	G:	U: yes	<i>MCC:</i>	SASAKI, Tsukasa		
	<i>history (event, available, version, comments):</i>						
	RP-13	2001-10-01	1 . 0 . 0	RP-010647			<i>remarks - general:</i>
	RP-11	2001-04-05	1 . 0 . 0	RP-010428 at RP-12			<i>remarks - this release:</i>
	RP-14	2002-01-02	2 . 0 . 0	RP-010826			
	RP-14	2002-01-11	5 . 0 . 0		<a href="#">get it</a>		
<hr/>							
<b>TR 25.858</b>	<b>Physical layer aspects of UTRA High Speed Downlink Packet Access</b>						
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	R1 / -	<i>rapporteur:</i>	GHOSH, Amitabha	Motorola Inc.	
	<i>freeze_meeting:</i> RP-15	G:	U: yes	<i>MCC:</i>	SASAKI, Tsukasa		
	<i>history (event, available, version, comments):</i>						
	RP-14	2002-01-02	1 . 0 . 0	RP-010823			<i>remarks - general:</i>
	RP-15	2002-04-04	2 . 0 . 0	RP-020255			<i>remarks - this release:</i> .
	RP-15	2002-03-29	5 . 0 . 0		<a href="#">get it</a>		
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<b>TR 25.859</b>	<b>User Equipment (UE) positioning enhancements for 1,28 Mcps TDD</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> R2 /	<i>rapporteur:</i> N, A			Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i> RP-15	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i>	ARZELIER, Claude	
	<i>history (event, available, version, comments):</i>					
	draft	0 . 0 . 0				<i>remarks - general:</i>
	draft 2001-09-04	0 . 1 . 0				<i>remarks - this release:</i> .
	RP-13 2001-10-02	1 . 0 . 1				<a href="#">get it</a>
	RP-15 2002-03-19	2 . 0 . 0				<a href="#">get it</a>
	RP-15 2002-03-19	2 . 0 . 1				<a href="#">get it</a>
	RP-15 2002-03-19	5 . 0 . 0				<a href="#">get it</a>
<b>TR 25.860</b>	<b>Radio access bearer support enhancements</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> MIKOLA, Juha			NOKIA Corporation
	<i>freeze_meeting:</i> RP-15	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i>	ARZELIER, Claude	
	<i>history (event, available, version, comments):</i>					
	RP-15 2002-03-19	1 . 0 . 0				<i>remarks - general:</i>
	RP-16 2002-06-25	2 . 0 . 0				<i>remarks - this release:</i> .
	RP-16 2002-06-17	5 . 0 . 0				<a href="#">get it</a>
<b>TR 25.868</b>	<b>Node B synchronization for 1,28 Mcps TDD</b>					
Rel-5	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> HU, Jinling			China Academy of Telecommunications Technology
	<i>freeze_meeting:</i> RP-15	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i>	SASAKI, Tsukasa	
	<i>history (event, available, version, comments):</i>					
	RP-13 2001-10-01	1 . 0 . 0				<i>remarks - general:</i>
	RP-14 2002-01-02	1 . 1 . 0				<i>remarks - this release:</i> .
	RP-15 2002-03-19	1 . 1 . 1				<a href="#">get it</a>
	RP-15 2002-03-29	5 . 0 . 0				<a href="#">get it</a>
	post RP-15 editorial 2002-04-15	5 . 0 . 1				<a href="#">get it</a>

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<b>TR 25.870</b>	<b>Enhancement on the DSCH Hard Split mode</b>								
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> R1 /		<i>rapporteur:</i> KIM, Jaeyoel		Samsung Electronics Ind. Co., Ltd.		
	<i>freeze_meeting:</i> RP-15		G: U: yes		<i>MCC:</i> SASAKI, Tsukasa				
	<i>history (event, available, version, comments):</i>								
	RP-12 2001-06-28	0 . 1 . 0			<a href="#">get it</a>			<i>remarks - general:</i>	
	draft 2001-09-14	1 . 0 . 0			<a href="#">get it</a>			<i>remarks - this release:</i>	
	RP-14 2002-01-02	1 . 1 . 0			<a href="#">get it</a>				
	RP-15 2002-03-19	2 . 0 . 0			<a href="#">get it</a>				
	RP-15 2002-03-29	5 . 0 . 0			<a href="#">get it</a>				

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<b>TR 25.875</b>	<b>NAS node selector function</b>								
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> R3 /		<i>rapporteur:</i> MCWILLIAMS, Brendan		VODAFONE Group Plc		
	<i>freeze_meeting:</i> RP-15		G: U: yes		<i>MCC:</i> CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>								
	RP-11 2001-04-06	0 . 0 . 1			<a href="#">get it</a>			<i>remarks - general:</i>	
	RP-14 2002-01-02	1 . 0 . 0			<a href="#">get it</a>			<i>remarks - this release:</i>	
	RP-15 2002-03-19	2 . 0 . 0			<a href="#">get it</a>				
	RP-15 2002-03-25	5 . 0 . 0			<a href="#">get it</a>				

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<b>TR 25.877</b>	<b>High Speed Downlink Packet Access (HSDPA) - lub/lur Protocol Aspects</b>								
Rel-5	<i>current version:</i> 5.1.0		<i>WG (prime / other):</i> R3 /		<i>rapporteur:</i> DIESEN, Michael		MOTOROLA Ltd		
	<i>freeze_meeting:</i> RP-15		G: U: yes		<i>MCC:</i> CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>								
	draft 2001-10-12	0 . 1 . 0			<a href="#">get it</a>			<i>remarks - general:</i>	
	draft 2001-11-07	0 . 2 . 2			<a href="#">get it</a>			<i>remarks - this release:</i>	
	draft 2002-01-02	0 . 3 . 1			<a href="#">get it</a>				
	RP-15 2002-02-28	1 . 0 . 0			<a href="#">get it</a>				
	RP-15 2002-02-28	2 . 0 . 0			<a href="#">get it</a>				
	RP-15 2002-03-25	5 . 0 . 0			<a href="#">get it</a>				
	RP-16 2002-06-28	5 . 1 . 0			<a href="#">get it</a>				

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**TR 25.878 RL timing adjustment**

Rel-5 *current version:* 5.1.0 *WG (prime / other):* R3 / *rapporteur:* VOLTOLINA, Elena Eva Telefon AB LM Ericsson  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* CALDENHOVEN, Juergen  
*history (event, available, version, comments):*  
R3-23 2002-01-11 0 . 2 . 0 awaiting input from RAN1 & RAN2. [get it](#) *remarks - general:*  
RP-15 2002-03-19 1 . 0 . 0 RP-020139 [get it](#) *remarks - this release:* .  
RP-15 2002-03-19 2 . 0 . 0 RP-020140 [get it](#)  
RP-15 2002-03-25 5 . 0 . 0 [get it](#)  
RP-16 2002-06-28 5 . 1 . 0 [get it](#)

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**TR 25.879 Separation of resource reservation and radio link activation**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* R3 / *rapporteur:* VAN LIESHOUT, Gert-Jan SAMSUNG Electronics Research Institute  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* CALDENHOVEN, Juergen  
*history (event, available, version, comments):*  
R3-23 0 . 2 . 0 Status report in RP-010608. *remarks - general:*  
draft 2001-12-03 0 . 3 . 0 [get it](#) *remarks - this release:* .  
draft 2001-12-03 0 . 3 . 1 [get it](#)  
RP-15 2002-03-19 1 . 0 . 0 RP-020142 [get it](#)  
RP-15 2002-03-19 2 . 0 . 0 RP-020143 [get it](#)  
RP-15 2002-03-25 5 . 0 . 0 [get it](#)

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<b>TS 25.880</b>	<b>Re-arrangement of lub transport bearers</b>								
Rel-5	current version: 5.0.0			WG (prime / other): R3 /		rapporteur: HAUTALA, Jari		NOKIA Corporation	
	freeze_meeting: RP-15			G: U: yes		MCC: CALDENHOVEN, Juergen			
	history (event, available, version, comments):								
	draft		0 . 0 . 1						remarks - general: 2003-01: title changed from "Traffic termination point swapping" some time ago.
	R3-21		0 . 0 . 2						remarks - this release: .
	R3-21		0 . 1 . 0					RP-010609	
	R3-23		0 . 1 . 1						
	R3-24		0 . 2 . 0						
	draft		0 . 2 . 1						
	R3-25		0 . 3 . 0						
	draft 2002-01-11		0 . 3 . 0					<a href="#">get it</a>	
	draft		0 . 3 . 1						
	R3-26		0 . 4 . 0						
	draft		0 . 4 . 1						
	draft		0 . 4 . 2						
	R3-27		0 . 5 . 0						
	draft		0 . 5 . 1						
	RP-15 2002-03-19		1 . 0 . 0					<a href="#">get it</a>	
	RP-15 2002-03-19		2 . 0 . 0					<a href="#">get it</a>	
	RP-15 2002-03-25		5 . 0 . 0					<a href="#">get it</a>	

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<b>TR 25.881</b>	<b>Improvement of Radio Resource Management (RRM) across RNS and RNS/BSS</b>								
Rel-5	current version: 5.0.0			WG (prime / other): R3 /		rapporteur: HWANG, Woonhee		NOKIA Corporation	
	freeze_meeting: RP-15			G: U: yes		MCC: CALDENHOVEN, Juergen			
	history (event, available, version, comments):								
	R3-23		0 . 2 . 0						remarks - general: .
	draft		0 . 4 . 0						remarks - this release: .
	draft		0 . 4 . 1					04/12/2001	
	RP-14 2002-01-02		1 . 0 . 0					<a href="#">get it</a>	
	RP-14 2002-01-02		2 . 0 . 0					<a href="#">get it</a>	
	RP-14 2002-01-09		5 . 0 . 0					<a href="#">get it</a>	

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<b>TR 25.882</b>	<b>1,28 Mcps TDD option base station classification</b>								
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> R4 /		<i>rapporteur:</i> MEYER, Juergen	SIEMENS AG			
	<i>freeze_meeting:</i> RP-15		G: U: yes		<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar				
	<i>history (event, available, version, comments):</i>								
	RP-13 2001-10-01	1 . 0 . 0			<a href="#">get it</a>		<i>remarks - general:</i>		
	RP-14 2002-01-02	1 . 1 . 0			<a href="#">get it</a>		<i>remarks - this release:</i>		
	RP-16 2002-06-25	2 . 0 . 0			<a href="#">get it</a>				
	RP-16 2002-07-03	5 . 0 . 0			<a href="#">get it</a>				

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<b>TR 25.883</b>	<b>Direct Transport Bearers Between SRNC and Node-B</b>								
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> R3 /		<i>rapporteur:</i> VAN LIESHOUT, Gert-Jan	SAMSUNG Electronics Research Institute			
	<i>freeze_meeting:</i> RP-16		G: U: yes		<i>MCC:</i> CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>								
	draft 2001-12-03	0 . 2 . 0			<a href="#">get it</a>		<i>remarks - general:</i>		
	RP-16 2002-06-25	1 . 0 . 0			<a href="#">get it</a>		<i>remarks - this release:</i>		
	RP-16 2002-06-25	2 . 0 . 0			<a href="#">get it</a>				
	RP-16 2002-06-25	2 . 0 . 1			<a href="#">get it</a>				
	RP-16 2002-06-28	5 . 0 . 0			<a href="#">get it</a>				

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<b>TR 25.884</b>	<b>Iur Neighbouring cell reporting efficiency optimisation</b>								
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> R3 /		<i>rapporteur:</i> VOLTOLINA, Elena Eva	Telefon AB LM Ericsson			
	<i>freeze_meeting:</i> NP-16		G: U: yes		<i>MCC:</i> CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>								
	referred to at RP-13 2002-01-11	0 . 1 . 0			<a href="#">get it</a>		<i>remarks - general:</i> Previous rapporteur: Shahrokh Amirijoo.		
							<i>remarks - this release:</i>		
	RP-15 2002-03-19	1 . 0 . 0			<a href="#">get it</a>				
	RP-15 2002-03-19	2 . 0 . 0			<a href="#">get it</a>				
	RP-15 2002-04-02	5 . 0 . 0			<a href="#">get it</a>				

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<b>TR 25.921</b>	<b>Guidelines and principles for protocol description and error handling</b>								
Rel-5	<i>current version:</i> 5.4.0		<i>WG (prime / other):</i> R2 / -		<i>rapporteur:</i> KALLA, Gairn	NOKIA UK Ltd			
	<i>freeze_meeting:</i> RP-15		G: U: yes		<i>MCC:</i> ARZELIER, Claude				
	<i>history (event, available, version, comments):</i>								
	RP-15 2002-03-19	5 . 0 . 0			<a href="#">get it</a>		<i>remarks - general:</i>		
	RP-18 2003-01-13	5 . 1 . 0			<a href="#">get it</a>		<i>remarks - this release:</i>		
	RP-21 2003-10-02	5 . 2 . 0			<a href="#">get it</a>				
	RP-22 2004-01-12	5 . 3 . 0			<a href="#">get it</a>				
	RP-23 2004-03-26	5 . 4 . 0			<a href="#">get it</a>				

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<b>TR 25.922</b>	<b>Radio resource management strategies</b>						
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i>	R2 / -	<i>rapporteur:</i>	BULDORINI, Andrea	TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> RP-15	G:	U: yes	<i>MCC:</i>	ARZELIER, Claude		
	<i>history (event, available, version, comments):</i>						
	RP-15 2002-03-19			<a href="#">get it</a>	<i>remarks - general:</i>		
	RP-21 2003-10-02			<a href="#">get it</a>	<i>remarks - this release:</i>		
	RP-22 2004-01-12			<a href="#">get it</a>			
	RP-23 2004-03-24			<a href="#">get it</a>			

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<b>TR 25.931</b>	<b>UTRAN Functions, examples on signalling procedures</b>						
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i>	R3 / -	<i>rapporteur:</i>	CASALINO, Francesco	TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> RP-15	G:	U: yes	<i>MCC:</i>	CALDENHOVEN, Juergen		
	<i>history (event, available, version, comments):</i>						
	RP-15 2002-04-02			<a href="#">get it</a>	<i>remarks - general:</i>		
	RP-16 2002-06-28			<a href="#">get it</a>	<i>remarks - this release:</i>		

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<b>TR 25.933</b>	<b>IP transport in UTRAN</b>						
Rel-5	<i>current version:</i> 5.4.0	<i>WG (prime / other):</i>	R3 / -	<i>rapporteur:</i>	DREVON, Nicolas	ALCATEL S.A.	
	<i>freeze_meeting:</i> RP-15	G:	U: yes	<i>MCC:</i>	CALDENHOVEN, Juergen		
	<i>history (event, available, version, comments):</i>						
	RP-15 2002-03-28			<a href="#">get it</a>	<i>remarks - general:</i>		
	RP-16 2002-06-28			<a href="#">get it</a>	<i>remarks - this release:</i>	2001-12-05: Rel-4 abandoned in favour of Rel-5 (Drevon).	
	RP-17 2002-10-03			<a href="#">get it</a>			
	RP-20 2003-06-17			<a href="#">get it</a>			
	RP-22 2004-01-13			<a href="#">get it</a>			

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<b>TR 25.942</b>	<b>RF system scenarios</b>						
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i>	R4 / -	<i>rapporteur:</i>	BENABDALLAH, Nadia	Vodafone Omnitel N.V	
	<i>freeze_meeting:</i> RP-15	G:	U: yes	<i>MCC:</i>	GUTIERREZ MIGUELEZ, Cesar		
	<i>history (event, available, version, comments):</i>						
	RP-15 2002-04-02			<a href="#">get it</a>	<i>remarks - general:</i>	Additional rapporteur = A.De Pasquale.	
	RP-16 2002-07-03			<a href="#">get it</a>	<i>remarks - this release:</i>		
	RP-23 2004-04-01			<a href="#">get it</a>			

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<b>TR 25.943</b>	<b>Deployment aspects</b>								
Rel-5	<i>current version:</i> 5.1.0			<i>WG (prime / other):</i> R4 / -	<i>rapporteur:</i> SKÖLD, Johan	Telefon AB LM Ericsson			
	<i>freeze_meeting:</i> RP-15			<i>G:</i> U: yes	<i>MCC:</i>	GUTIERREZ MIGUELEZ, Cesar			
	<i>history (event, available, version, comments):</i>								
	RP-15	2002-04-02	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	edito	2002-05-03	5 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>	.		
	RP-16	2002-07-03	5 . 1 . 0		<a href="#">get it</a>				
<hr/>									
<b>TR 25.945</b>	<b>RF requirements for low chip rate TDD option</b>								
Rel-5	<i>current version:</i> 5.1.0			<i>WG (prime / other):</i> R4 / -	<i>rapporteur:</i> ZHANG, Daijun	China Academy of Telecommunications Technology			
	<i>freeze_meeting:</i> RP-15			<i>G:</i> U: yes	<i>MCC:</i>	GUTIERREZ MIGUELEZ, Cesar			
	<i>history (event, available, version, comments):</i>								
	RP-15	2002-04-02	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	RP-23	2004-04-01	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	.		
<hr/>									
<b>TR 25.952</b>	<b>Base Station classification (TDD)</b>								
Rel-5	<i>current version:</i> 5.2.0			<i>WG (prime / other):</i> R4 / -	<i>rapporteur:</i> AXNESS, Timothy	INTERDIGITAL COMMUNICATIONS CORPORATION			
	<i>freeze_meeting:</i> RP-15			<i>G:</i> U: yes	<i>MCC:</i>	GUTIERREZ MIGUELEZ, Cesar			
	<i>history (event, available, version, comments):</i>								
	RP-12		2 . 0 . 0	RP-010457		<i>remarks - general:</i>			
	RP-12	2001-06-29	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	promoted from Rel-4 at RP-12.		
	RP-16	2002-07-03	5 . 1 . 0		<a href="#">get it</a>				
	RP-19	2003-04-04	5 . 2 . 0		<a href="#">get it</a>				
<hr/>									
<b>TR 25.956</b>	<b>UTRA repeater: Planning guidelines and system analysis</b>								
Rel-5	<i>current version:</i> 5.0.0			<i>WG (prime / other):</i> R4 / -	<i>rapporteur:</i> GARCIA LOPEZ, Lorena	TELEFONICA S.A.			
	<i>freeze_meeting:</i> RP-15			<i>G:</i> U: yes	<i>MCC:</i>	GUTIERREZ MIGUELEZ, Cesar			
	<i>history (event, available, version, comments):</i>								
	RP-15	2002-04-02	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	.		
						<i>remarks - this release:</i>	.		

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<b>TR 25.991</b>	<b>Feasibility study on the mitigation of the effect of common pilot channel (CPICH) interference at the user equipment</b>								
Rel-5	<i>current version:</i> 5.1.0		<i>WG (prime / other):</i> R4 /	<i>rapporteur:</i> MOSHAVI, Shimon	INTEL CORPORATION SARL				
	<i>freeze_meeting:</i> RP-15		G: U: yes	MCC: GUTIERREZ MIGUELEZ, Cesar					
<i>history (event, available, version, comments):</i>									
	RP-14	2002-01-02	1 . 0 . 0	RP-010892	<a href="#">get it</a>	remarks - general:			
	RP-15	2002-03-19	2 . 0 . 0	RP-020121	<a href="#">get it</a>	remarks - this release:	.		
	RP-15	2002-04-02	5 . 0 . 0		<a href="#">get it</a>				
	RP-18	2003-01-10	5 . 1 . 0		<a href="#">get it</a>				
<hr/>									
<b>TR 25.993</b>	<b>Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)</b>								
Rel-5	<i>current version:</i> 5.1.0		<i>WG (prime / other):</i> R2 /	<i>rapporteur:</i> FAUCONNIER, Denis	NORTEL NETWORKS (EUROPE)				
	<i>freeze_meeting:</i> SP-15		G: U: yes	MCC: ARZELIER, Claude					
<i>history (event, available, version, comments):</i>									
	RP-18	2003-01-13	5 . 0 . 0	Back creation from Rel-6 version	<a href="#">get it</a>	remarks - general:			
	RP-22	2004-01-12	5 . 1 . 0		<a href="#">get it</a>	remarks - this release:	Pointer to latest release version.		
<hr/>									
<b>TR 25.994</b>	<b>Measures employed by the UMTS Radio Access Network (UTRAN) to overcome early User Equipment (UE) implementation faults</b>								
Rel-5	<i>current version:</i> 0.0.0	DRAFT	<i>WG (prime / other):</i> R2 / R1,	<i>rapporteur:</i> COURAU, François	ALCATEL S.A.				
	<i>freeze_meeting:</i> SP-15		R3, R4						
			G: U: yes	MCC: ARZELIER, Claude					
<i>history (event, available, version, comments):</i>									
	RP-18	2003-01-06	0 . 0 . 0	RP-020880	<a href="#">get it</a>	remarks - general:	RP-20: Primary responsibility moved from RP to R2.		
						remarks - this release:	.		
<hr/>									
<b>TR 25.995</b>	<b>Measures employed by the UMTS Radio Access Network (RAN) to cater for legacy User Equipment (UE) which conforms to superseded versions of the RAN interface</b>								
Rel-5	<i>current version:</i> 0.0.1	DRAFT	<i>WG (prime / other):</i> R2 / R1,	<i>rapporteur:</i> COURAU, François	ALCATEL S.A.				
	<i>freeze_meeting:</i> SP-15		R3, R4						
			G: U: yes	MCC: ARZELIER, Claude					
<i>history (event, available, version, comments):</i>									
	draft		0 . 0 . 1			remarks - general:	RP-20: Primary responsibility moved from RP to R2.		
						remarks - this release:	.		

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<b>TS 26.071</b>	<b>AMR speech Codec; General description</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-06-28 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
			<i>remarks - this release:</i> .			
<b>TS 26.073</b>	<b>AMR speech Codec; C-source code</b>					
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-06-28 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-19 2003-04-04 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	SP-21 2003-10-02 5 . 2 . 0	<a href="#">get it</a>				Note missing C-code line in CR which created this version has been corrected by WG Secretary.
	SP-23 2004-04-01 5 . 3 . 0	<a href="#">get it</a>				
<b>TS 26.074</b>	<b>AMR speech Codec; Test sequences</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-06-28 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
			<i>remarks - this release:</i> .			
<b>TS 26.077</b>	<b>Minimum performance requirements for noise suppresser application to the Adaptive Multi-Rate (AMR) speech encoder</b>					
Rel-5	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-06-28 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	correct spelling 2003-06-17 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .			No SDO publication necessary
	mistake in title					
<b>TS 26.090</b>	<b>AMR speech Codec; Transcoding Functions</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-06-28 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
			<i>remarks - this release:</i> .			

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<b>TS 26.091</b>	<b>AMR speech Codec; Error concealment of lost frames</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-06-28 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
			<i>remarks - this release:</i> .			
<hr/>						
<b>TS 26.092</b>	<b>AMR speech Codec; comfort noise for AMR Speech Traffic Channels</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-06-28 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
			<i>remarks - this release:</i> .			
<hr/>						
<b>TS 26.093</b>	<b>AMR speech Codec; Source Controlled Rate operation</b>					
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-06-28 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-17 2002-09-24 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	SP-18 2003-01-03 5 . 2 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 26.094</b>	<b>AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-06-28 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
			<i>remarks - this release:</i> .			
<hr/>						
<b>TS 26.101</b>	<b>Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> HAGQVIST, Jari	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-16	G: U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-06-28 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			

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<b>TS 26.102</b>	<b>Adaptive Multi-Rate (AMR) speech codec; Interface to lu and Uu</b>					
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	NAVARRO, William	NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting:</i> SP-16	G: yes U: yes		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-06-28 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	SP-18 2003-01-03 5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	.
	SP-19 2003-04-04 5 . 2 . 0			<a href="#">get it</a>		

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<b>TS 26.103</b>	<b>Speech codec list for GSM and UMTS</b>					
Rel-5	<i>current version:</i> 5.4.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	HELLWIG, Karl	Telefon AB LM Ericsson
	<i>freeze_meeting:</i> SP-15	G: yes U: yes		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	New after TSG#5
	SP-15 2002-03-28 5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	
	SP-16 2002-06-28 5 . 2 . 0			<a href="#">get it</a>		
	SP-17 2002-09-24 5 . 3 . 0			<a href="#">get it</a>		
	SP-18 2003-01-03 5 . 4 . 0			<a href="#">get it</a>		

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<b>TS 26.104</b>	<b>ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec</b>					
Rel-5	<i>current version:</i> 5.4.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	USAI, Paolino	TELECOM ITALIA S.p.A.
	<i>freeze_meeting:</i> SP-16	G: yes U: yes		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-06-28 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	SP-19 2003-04-04 5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	.
	SP-20 2003-06-25 5 . 2 . 0			<a href="#">get it</a>		
	SP-22 2004-01-06 5 . 3 . 0			<a href="#">get it</a>		
	SP-23 2004-04-01 5 . 4 . 0			<a href="#">get it</a>		

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<b>TS 26.110</b>	<b>Codec for circuit switched multimedia telephony service; General description</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	ARONSON, Barry	TOSHIBA CO
	<i>freeze_meeting:</i> SP-16	G: yes U: yes		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-06-28 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	.

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<b>TS 26.111</b>	<b>Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324</b>						
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	ARONSON, Barry	TOSHIBA CO	
	<i>freeze_meeting:</i> SP-16	G: yes U: yes		<i>MCC:</i>	USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	SP-16 2002-06-28 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	CR at TSG#5	
	SP-20 2003-06-25 5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	.	
<hr/>							
<b>TS 26.115</b>	<b>Echo control for speech and multi-media services</b>						
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	USAI, Paolino	TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> SP-16	G: U: yes		<i>MCC:</i>	USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	SP-16 2002-06-28 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
					<i>remarks - this release:</i>	.	
<hr/>							
<b>TS 26.131</b>	<b>Terminal acoustic characteristics for telephony; Requirements</b>						
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	GOETZ, Ian	TELLABS OPERATIONS INC.	
	<i>freeze_meeting:</i> SP-15	G: U: yes		<i>MCC:</i>	USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	SP-11 2001-04-10 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-13 2001-10-02 5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-17 2002-09-24 5 . 2 . 0			<a href="#">get it</a>			
<hr/>							
<b>TS 26.132</b>	<b>Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification</b>						
Rel-5	<i>current version:</i> 5.4.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	GOETZ, Ian	TELLABS OPERATIONS INC.	
	<i>freeze_meeting:</i> SP-15	G: U: yes		<i>MCC:</i>	USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	SP-11 2001-04-10 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-13 2001-10-02 5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-15 2002-03-28 5 . 2 . 0			<a href="#">get it</a>			
	SP-17 2002-09-24 5 . 3 . 0			<a href="#">get it</a>			
	SP-21 2003-10-01 5 . 4 . 0			<a href="#">get it</a>			

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<b>TS 26.140</b>	<b>Multimedia Messaging Service (MMS); Media formats and codes</b>						
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> S4 / T2	<i>rapporteur:</i> CASTAGNO, Roberto	NOKIA Corporation			
	<i>freeze_meeting:</i> SP-15	G: yes U: yes	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version, comments):</i>						
	SP-14 2002-01-02 1 . 0 . 0					SP-010695	<a href="#">get it</a> <i>remarks - general:</i>
	SP-15 2002-03-19 2 . 0 . 0					SP-020075	<a href="#">get it</a> <i>remarks - this release:</i> .
	SP-15 2002-03-28 5 . 0 . 0						<a href="#">get it</a>
	SP-16 2002-06-28 5 . 1 . 0						<a href="#">get it</a>
	SP-18 2003-01-03 5 . 2 . 0						<a href="#">get it</a>
<hr/>							
<b>TS 26.171</b>	<b>AMR speech codec, wideband; General description</b>						
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik	Telefon AB LM Ericsson			
	<i>freeze_meeting:</i> SP-15	G: yes U: yes	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version, comments):</i>						
	SP-10 1 . 0 . 0						<i>remarks - general:</i>
	SP-11 2001-04-10 5 . 0 . 0						<a href="#">get it</a> <i>remarks - this release:</i>
<hr/>							
<b>TS 26.173</b>	<b>ANSI-C code for the Adaptive Multi-Rate - Wideband (AMR-W) speech codec</b>						
Rel-5	<i>current version:</i> 5.8.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik	Telefon AB LM Ericsson			
	<i>freeze_meeting:</i> SP-15	G: yes U: yes	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version, comments):</i>						
	SP-11 2001-04-10 5 . 0 . 0						<a href="#">get it</a> <i>remarks - general:</i> 2001-10-01: added "G" flag.
	SP-12 2001-06-27 5 . 1 . 0						<a href="#">get it</a> <i>remarks - this release:</i>
	edito 2001-06-27 5 . 1 . 1						<a href="#">get it</a>
	SP-13 2001-10-02 5 . 2 . 0						<a href="#">get it</a>
	SP-14 2002-01-09 5 . 3 . 0						<a href="#">get it</a>
	SP-15 2002-03-28 5 . 4 . 0						<a href="#">get it</a>
	SP-18 2003-01-03 5 . 5 . 0						<a href="#">get it</a>
	SP-19 2003-04-04 5 . 6 . 0						<a href="#">get it</a>
	SP-20 2003-06-25 5 . 7 . 0						<a href="#">get it</a>
	SP-20 2003-06-27 5 . 7 . 1					Includes C-code!	<a href="#">get it</a>
	SP-21 2003-10-01 5 . 8 . 0						<a href="#">get it</a>

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**TS 26.174 AMR speech codec, wideband; Test sequences**

Rel-5 *current version:* 5.4.0 *WG (prime / other):* S4 / - *rapporteur:* EKUDDEN, Erik Telefon AB LM Ericsson  
*freeze\_meeting:* SP-15 *G: yes U: yes* *MCC:* USAI, Paolino

*history (event, available, version, comments):*

SP-11	2001-04-10	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
SP-12	2001-06-27	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
correction to test sequences	2001-11-12	5	.	1	.	1	<a href="#">get it</a>
SP-14	2002-01-09	5	.	2	.	0	<a href="#">get it</a>
SP-15	2002-03-28	5	.	3	.	0	<a href="#">get it</a>
SP-18	2003-01-03	5	.	4	.	0	<a href="#">get it</a>

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**TS 26.190 Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Transcoding functions**

Rel-5 *current version:* 5.1.0 *WG (prime / other):* S4 / - *rapporteur:* VACANT,  
*freeze\_meeting:* SP-15 *G: yes U: yes* *MCC:* USAI, Paolino

*history (event, available, version, comments):*

SP-11	2001-04-10	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
SP-14	2002-01-09	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>

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**TS 26.191 AMR speech codec, wideband; Error concealment of lost frames**

Rel-5 *current version:* 5.1.0 *WG (prime / other):* S4 / - *rapporteur:* EKUDDEN, Erik Telefon AB LM Ericsson  
*freeze\_meeting:* SP-15 *G: yes U: yes* *MCC:* USAI, Paolino

*history (event, available, version, comments):*

SP-11	2001-04-10	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
SP-15	2002-03-28	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>

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**TS 26.192 Mandatory Speech Codec speech processing functions AMR Wideband Speech Codec; Comfort noise aspects**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* S4 / - *rapporteur:* VACANT,  
*freeze\_meeting:* SP-15 *G: yes U: yes* *MCC:* USAI, Paolino

*history (event, available, version, comments):*

SP-11	2001-04-10	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
							<i>remarks - this release:</i>

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<b>TS 26.193</b>	<b>AMR speech codec, wideband; Source Controlled Rate operation</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-15	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>
<hr/>						
<b>TS 26.194</b>	<b>Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Voice Activity Detector (VAD)</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> VACANT,			
	<i>freeze_meeting:</i> SP-15	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>
<hr/>						
<b>TS 26.201</b>	<b>AMR speech codec, wideband; Frame structure</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> HAGQVIST, Jari	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-15	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>
<hr/>						
<b>TS 26.202</b>	<b>AMR speech codec, wideband; Interface to lu and Uu</b>					
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> NAVARRO, William	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> SP-15	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	draft 1 . 0 . 0					<i>remarks - general:</i>
	SP-11 2001-08-02 2 . 0 . 0					<i>remarks - this release:</i>
	SP-11 2001-04-10 5 . 0 . 0				<a href="#">get it</a>	
	SP-17 2002-09-24 5 . 1 . 0				<a href="#">get it</a>	

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<b>TS 26.204</b>	<b>ANSI-C code for the floating-point Adaptive Multi-Rate - Wideband (AMR-W) speech codec</b>				
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> S4 /	<i>rapporteur:</i> N, A	Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i> SP-15	G: yes U: yes	<i>MCC:</i> USAI, Paolino		
<i>history (event, available, version, comments):</i>					
	SP-14 2002-01-02	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	SP-15 2002-03-19	2 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .	
	SP-15 2002-03-28	5 . 0 . 0	<a href="#">get it</a>		
	SP-19 2003-04-04	5 . 1 . 0	<a href="#">get it</a>		
	SP-21 2003-10-01	5 . 2 . 0	<a href="#">get it</a>		

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<b>TS 26.226</b>	<b>Global text telephony (GTT); Transport of text in the voice channel</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> HELLSTROM, Gunnar	Omnitor AB	
	<i>freeze_meeting:</i> SP-15	G: yes U: yes	<i>MCC:</i> USAI, Paolino		
<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> SP-16: in "GERAN" set.	
				<i>remarks - this release:</i> TSG#10:2.0.0=SP-000569(Rel-5)->Rel-4	

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<b>TS 26.230</b>	<b>Global text telephony (GTT); Cellular text telephone modem transmitter C-code description</b>				
Rel-5	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> HELLSTROM, Gunnar	Omnitor AB	
	<i>freeze_meeting:</i> SP-15	G: yes U: yes	<i>MCC:</i> USAI, Paolino		
<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> SP-16: in "GERAN" set.	
	correct c-code 2001-05-29	5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> TSG#10:2.0.0=SP-000570(Rel-5)->Rel-4	

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<b>TS 26.231</b>	<b>Global text telephony (GTT); Cellular text telephone modem minimum performance requirements</b>				
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> HELLSTROM, Gunnar	Omnitor AB	
	<i>freeze_meeting:</i> SP-15	G: yes U: yes	<i>MCC:</i> USAI, Paolino		
<i>history (event, available, version, comments):</i>					
	SP-10 2000-12-21	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> SP-16: in "GERAN" set.	
	SP-11 2001-04-10	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	SP-13 2001-10-02	5 . 1 . 0	<a href="#">get it</a>		
	SP-15 2002-03-28	5 . 2 . 0	<a href="#">get it</a>		

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G = required in systems with GERAN access; U = required in systems with UMTS access.



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<b>TS 26.233</b>	<b>End-to-end transparent streaming service; General description</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	HONKO, Harri	NOKIA Corporation			
	<i>freeze_meeting:</i> SP-15	<i>G:</i>	U: yes	<i>MCC:</i>	USAI, Paolino				
	<i>history (event, available, version, comments):</i>								
	SP-15 2002-03-28	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>				
<hr/>									
<b>TS 26.234</b>	<b>Transparent end-to-end streaming service; Protocols and codecs</b>								
Rel-5	<i>current version:</i> 5.6.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	FRANCESCHI, Olle	Nippon Ericsson K.K.			
	<i>freeze_meeting:</i> SP-15	<i>G:</i>	U: yes	<i>MCC:</i>	USAI, Paolino				
	<i>history (event, available, version, comments):</i>								
	SP-15 2002-03-28	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-16 2002-06-28	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>				
	SP-17 2002-09-24	5 . 2 . 0		<a href="#">get it</a>					
	SP-18 2003-01-03	5 . 3 . 0		<a href="#">get it</a>					
	SP-19 2003-04-04	5 . 4 . 0		<a href="#">get it</a>					
	SP-20 2003-06-25	5 . 5 . 0		<a href="#">get it</a>					
	SP-21 2003-10-01	5 . 6 . 0		<a href="#">get it</a>					
<hr/>									
<b>TS 26.235</b>	<b>Packet switched conversational multimedia applications; Default codecs</b>								
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	OJALA, Pasi	Nokia Research Center			
	<i>freeze_meeting:</i> SP-15	<i>G:</i>	U: yes	<i>MCC:</i>	USAI, Paolino				
	<i>history (event, available, version, comments):</i>								
	SP-12 2001-06-27	5 . 0 . 0	based on v4.1.0	<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-15 2002-03-28	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	SP-12: transferred to Rel-5.			
<hr/>									
<b>TS 26.236</b>	<b>Packet switched conversational multimedia applications; Transport protocols</b>								
Rel-5	<i>current version:</i> 5.4.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	OJALA, Pasi	Nokia Research Center			
	<i>freeze_meeting:</i> SP-15	<i>G:</i>	U: yes	<i>MCC:</i>	USAI, Paolino				
	<i>history (event, available, version, comments):</i>								
	SP-14 2002-01-02	1 . 0 . 0	SP-010694	<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-15 2002-03-19	2 . 0 . 0	SP-020074	<a href="#">get it</a>	<i>remarks - this release:</i>				
	SP-15 2002-03-28	5 . 0 . 0		<a href="#">get it</a>					
	SP-18 2003-01-03	5 . 1 . 0		<a href="#">get it</a>					
	SP-19 2003-04-04	5 . 2 . 0		<a href="#">get it</a>					
	SP-20 2003-06-25	5 . 3 . 0		<a href="#">get it</a>					
	SP-21 2003-10-01	5 . 4 . 0		<a href="#">get it</a>					

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TR 26.911</b>	<b>Codec for Circuit switched Multimedia Telephony Service; Terminal Implementor's Guide</b>					
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> HAAVISTO, Petri	Nokia Research Center		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-06-28 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-19 2003-04-04 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>						
<b>TR 26.937</b>	<b>Transparent end-to-end packet switched streaming service (PSS); Real-time Transport Protocol (RTP) usage model</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> VARSA, Viktor	Nokia Telecommunications Inc.		
	<i>freeze_meeting:</i> SP-15	G: U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	S4-19 2002-01-16 0 . 1 . 0 S4-010679	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-18 2003-01-03 1 . 2 . 0 SP-020683	<a href="#">get it</a>	<i>remarks - this release:</i>	2003-01-14: WG Secretary reports that this TS should be approved at SP-19. SP-19: still under revision, anticipated for approval at SP-20.		
	draft 2003-04-04 1 . 4 . 0	<a href="#">get it</a>				
	S4-26 2003-06-17 1 . 5 . 0 S4-030369	<a href="#">get it</a>				
	SP-21 2003-09-29 2 . 0 . 0 SP-030443	<a href="#">get it</a>				
	SP-21 2003-10-08 5 . 0 . 0	<a href="#">get it</a>				
<hr/>						
<b>TR 26.975</b>	<b>Performance characterization of the Adaptive Multi-Rate (AMR) speech codec</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-06-28 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Replaces 26.075. 2001-10-02: Also for GSM.		
			<i>remarks - this release:</i>			
<hr/>						
<b>TR 26.976</b>	<b>Performance characterization of the Adaptive Multi-Rate Wideband (AMR-WB) speech codec</b>					
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> VAINIO, Janne	NOKIA Corporation		
	<i>freeze_meeting:</i> NP-16	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	draft 0 . 0 . 1		<i>remarks - general:</i>	Cf 26.975.		
	SP-12 2001-06-27 0 . 3 . 0 SP-010302	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-14 2002-01-02 0 . 6 . 0 SP-010692	<a href="#">get it</a>				
	SP-17 2002-09-24 1 . 0 . 0 SP-020432	<a href="#">get it</a>				
	SP-18 2003-01-16 2 . 0 . 0 SP-020682	<a href="#">get it</a>				
	SP-18 2003-01-03 5 . 0 . 0	<a href="#">get it</a>				
	SP-21 2003-10-01 5 . 1 . 0	<a href="#">get it</a>				

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Rel-5 **27** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/27\\_series](http://www.3gpp.org/ftp/Specs/archive/27_series)

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**TS 27.001 General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)**

Rel-5 *current version:* 5.7.0 *WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*freeze\_meeting:* NP-15 *G: yes U: yes* *MCC:* BOSWARTHICK, David

*history (event, available, version, comments):*

NP-14	2002-01-11	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
NP-15	2002-03-20	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release: .</i>
NP-16	2002-06-24	5	.	2	.	0	<a href="#">get it</a>
NP-17	2002-09-17	5	.	3	.	0	<a href="#">get it</a>
NP-18	2003-01-09	5	.	4	.	0	<a href="#">get it</a>
NP-19	2003-03-27	5	.	5	.	0	<a href="#">get it</a>
NP-20	2003-06-25	5	.	6	.	0	<a href="#">get it</a>
NP-21	2003-10-01	5	.	7	.	0	<a href="#">get it</a>

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**TS 27.002 Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*freeze\_meeting:* NP-15 *G: yes U: yes* *MCC:* BOSWARTHICK, David

*history (event, available, version, comments):*

NP-14	2002-01-11	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release: .</i>
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**TS 27.003 Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*freeze\_meeting:* NP-15 *G: yes U: yes* *MCC:* BOSWARTHICK, David

*history (event, available, version, comments):*

NP-14	2002-01-11	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release: .</i>
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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 27.005</b>	<b>Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Research In Motion Limited	
	<i>freeze_meeting:</i> TP-15	G: yes U: yes	<i>MCC:</i> RODERMUND, Friedhelm		
	<i>history (event, available, version, comments):</i>				
	TP-16 2002-06-25 5 . 0 . 0				<a href="#">get it</a> <i>remarks - general:</i>
					<i>remarks - this release:</i> .
<hr/>					
<b>TS 27.007</b>	<b>AT command set for 3G User Equipment (UE)</b>				
Rel-5	<i>current version:</i> 5.4.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> CHRISTENSEN, Soren	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> TP-15	G: yes U: yes	<i>MCC:</i> RODERMUND, Friedhelm		
	<i>history (event, available, version, comments):</i>				
	TP-14 2002-01-15 5 . 0 . 0				<a href="#">get it</a> <i>remarks - general:</i>
	TP-15 2002-04-04 5 . 1 . 0				<a href="#">get it</a> <i>remarks - this release:</i> .
	TP-18 2002-12-20 5 . 2 . 0				<a href="#">get it</a>
	TP-19 2003-03-31 5 . 3 . 0				<a href="#">get it</a>
	TP-21 2003-10-03 5 . 4 . 0				<a href="#">get it</a>
<hr/>					
<b>TS 27.010</b>	<b>Terminal Equipment to User Equipment (TE-UE) multiplexer protocol</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> BROOK, Richard	SAMSUNG Electronics Research Institute	
	<i>freeze_meeting:</i> TP-15	G: yes U: yes	<i>MCC:</i> RODERMUND, Friedhelm		
	<i>history (event, available, version, comments):</i>				
	TP-16 2002-06-26 5 . 0 . 0				<a href="#">get it</a> <i>remarks - general:</i>
					<i>remarks - this release:</i> .
<hr/>					
<b>TS 27.060</b>	<b>Packet domain; Mobile Station (MS) supporting Packet Switched services</b>				
Rel-5	<i>current version:</i> 5.6.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat	
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> BOSWARTHICK, David		
	<i>history (event, available, version, comments):</i>				
	NP-14 2002-01-11 5 . 0 . 0				<a href="#">get it</a> <i>remarks - general:</i> GPRS
	NP-16 2002-06-24 5 . 1 . 0				<a href="#">get it</a> <i>remarks - this release:</i> .
	NP-17 2002-09-17 5 . 2 . 0				<a href="#">get it</a>
	NP-18 2003-01-09 5 . 3 . 0				<a href="#">get it</a>
	NP-20 2003-06-23 5 . 4 . 0				<a href="#">get it</a>
	NP-21 2003-10-01 5 . 5 . 0				<a href="#">get it</a>
	NP-22 2004-01-13 5 . 6 . 0				<a href="#">get it</a>

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## TS 27.103 Wide Area Network Synchronization

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* TP-15  
*history (event, available, version, comments):*  
TP-16 2002-06-26 5 . 0 . 0

*WG (prime / other):* T2 / - *rapporteur:* CHAU, Alan NOKIA UK Ltd  
*G:* yes *U:* yes *MCC:* RODERMUND, Friedhelm

[get it](#) *remarks - general:*  
*remarks - this release:* .

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## TR 27.901 Report on Terminal Interfaces - An Overview

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* TP-15  
*history (event, available, version, comments):*  
TP-16 2002-06-26 5 . 0 . 0

*WG (prime / other):* T2 / - *rapporteur:* REX, Thomas ERICSSON MOBILE COMMUNICATIONS AB  
*G:* U: yes *MCC:* RODERMUND, Friedhelm

[get it](#) *remarks - general:*  
*remarks - this release:* .

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Rel-5 28 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/28\\_series](http://www.3gpp.org/ftp/Specs/archive/28_series)

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## TS 28.062 Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3

Rel-5 *current version:* 5.4.0  
*freeze\_meeting:* SP-15  
*history (event, available, version, comments):*  
SP-15 2002-03-28 5 . 0 . 0  
SP-16 2002-06-28 5 . 1 . 0  
SP-17 2002-09-24 5 . 2 . 0  
SP-18 2003-01-03 5 . 3 . 0  
SP-21 2003-10-03 5 . 4 . 0

*WG (prime / other):* S4 / - *rapporteur:* SUERBAUM, Clemens SIEMENS AG  
*G:* yes *U:* yes *MCC:* USAI, Paolino

[get it](#) *remarks - general:* Transfer>TSG#4  
[get it](#) *remarks - this release:* .  
[get it](#)  
[get it](#)

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## TS 29.002 Mobile Application Part (MAP) specification

Rel-5 *current version:* 5.9.0 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* NP-15 *G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

NP-14	2002-01-18	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
NP-15	2002-04-04	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
NP-16	2002-06-21	5	.	2	.	0	<a href="#">get it</a>
NP-17	2002-09-24	5	.	3	.	0	<a href="#">get it</a>
NP-18	2003-01-09	5	.	4	.	0	<a href="#">get it</a>
NP-19	2003-04-04	5	.	5	.	0	<a href="#">get it</a>
NP-20	2003-07-04	5	.	6	.	0	<a href="#">get it</a> delayed availability due to complexity of changes
Correct dangling connector in SDL	2003-07-07	5	.	6	.	1	<a href="#">get it</a>
Mention of some CRs had been omitted from change history table	2003-07-15	5	.	6	.	2	<a href="#">get it</a>
NP-21	2003-10-09	5	.	7	.	0	<a href="#">get it</a>
NP-22	2004-01-13	5	.	8	.	0	<a href="#">get it</a>
NP-23	2004-03-23	5	.	9	.	0	<a href="#">get it</a>

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## TS 29.007 General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone

Rel-5 *current version:* 5.9.0 *WG (prime / other):* N3 / - *rapporteur:* KLEHN, Norbert SIEMENS AG  
*freeze\_meeting:* NP-15 *G: yes U: yes* *MCC:* BOSWARTHICK, David

*history (event, available, version, comments):*

NP-14	2002-01-11	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
NP-15	2002-03-20	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
NP-16	2002-06-28	5	.	2	.	0	<a href="#">get it</a>
NP-17	2002-09-17	5	.	3	.	0	<a href="#">get it</a>
NP-18	2003-01-09	5	.	4	.	0	<a href="#">get it</a>
NP-19	2003-03-27	5	.	5	.	0	<a href="#">get it</a>
NP-20	2003-06-23	5	.	6	.	0	<a href="#">get it</a>
NP-21	2003-10-01	5	.	7	.	0	<a href="#">get it</a>
NP-22	2004-01-22	5	.	8	.	0	<a href="#">get it</a>
NP-23	2004-03-22	5	.	9	.	0	<a href="#">get it</a>

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 29.010</b>	<b>Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling</b>								
Rel-5	<i>current version:</i> Procedures and the Mobile Application Part (MAP)	5.6.0	WG (prime / other):	N4	/-	<i>rapporteur:</i>	KYMALAINEN, Kimmo		
	TeliaSonera AB								
	<i>freeze_meeting:</i> NP-15		G: yes	U: yes		MCC:	KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>								
	NP-16	2002-06-21	5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4 (transfer??)	
	NP-17	2002-09-18	5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	.	
	NP-18	2003-01-07	5 . 2 . 0			<a href="#">get it</a>			
	NP-20	2003-06-27	5 . 3 . 0			<a href="#">get it</a>			
	Implemented CR	2003-07-04	5 . 3 . 1			<a href="#">get it</a>			
	29.010-090 removed								
	NP-21	2003-10-09	5 . 4 . 0			<a href="#">get it</a>			
	NP-22	2004-01-12	5 . 5 . 0			<a href="#">get it</a>			
	NP-23	2004-03-23	5 . 6 . 0			<a href="#">get it</a>			

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<b>TS 29.011</b>	<b>Signalling Interworking for Supplementary Services</b>								
Rel-5	<i>current version:</i> 5.0.0		WG (prime / other):	N4	/-	<i>rapporteur:</i>	WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> NP-15		G: yes	U: yes		MCC:	KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>								
	NP-16	2002-06-25	5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
							<i>remarks - this release:</i>	.	

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<b>TS 29.013</b>	<b>Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols</b>								
Rel-5	<i>current version:</i> 5.0.0		WG (prime / other):	N4	/-	<i>rapporteur:</i>	WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> NP-15		G: yes	U: yes		MCC:	KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>								
	NP-16	2002-06-25	5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4	
							<i>remarks - this release:</i>	.	

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<b>TS 29.016</b>	<b>Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification</b>								
Rel-5	<i>current version:</i> 5.0.0		WG (prime / other):	N1	/-	<i>rapporteur:</i>	DAWES, Peter	VODAFONE LTD	
	<i>freeze_meeting:</i> NP-15		G: yes	U: yes		MCC:	JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>								
	NP-16	2002-06-26	5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
							<i>remarks - this release:</i>	.	

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 29.018</b>	<b>General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification</b>			
Rel-5	<i>current version:</i> 5.5.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> DAWES, Peter	VODAFONE LTD
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i>	JORGENSEN, Per Johan
<i>history (event, available, version, comments):</i>				
	NP-14	2002-01-04	5 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i>
	NP-15	2002-03-19	5 . 1 . 0	<a href="#">get it</a> <i>remarks - this release:</i> .
	NP-16	2002-06-26	5 . 2 . 0	<a href="#">get it</a>
	NP-18	2002-12-18	5 . 3 . 0	<a href="#">get it</a>
	NP-20	2003-07-03	5 . 4 . 0	<a href="#">get it</a>
	NP-21	2003-10-10	5 . 5 . 0	<a href="#">get it</a>

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<b>TS 29.060</b>	<b>General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface</b>			
Rel-5	<i>current version:</i> 5.9.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i>	KYMALAINEN, Kimmo
<i>history (event, available, version, comments):</i>				
	NP-14	2002-01-11	5 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i>
NP-14	editorial	2002-01-18	5 . 0 . 1	<a href="#">get it</a> <i>remarks - this release:</i> .
	NP-15	2002-03-28	5 . 1 . 0	<a href="#">get it</a>
	NP-16	2002-06-21	5 . 2 . 0	<a href="#">get it</a>
	NP-17	2002-09-18	5 . 3 . 0	<a href="#">get it</a>
	NP-18	2003-01-07	5 . 4 . 0	<a href="#">get it</a>
	NP-19	2003-04-04	5 . 5 . 0	<a href="#">get it</a>
	NP-20	2003-06-27	5 . 6 . 0	<a href="#">get it</a>
	NP-21	2003-10-09	5 . 7 . 0	<a href="#">get it</a>
	NP-22	2004-01-12	5 . 8 . 0	<a href="#">get it</a>
	NP-23	2004-03-24	5 . 9 . 0	<a href="#">get it</a>

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<b>TS 29.061</b>	<b>Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)</b>				
Rel-5	<i>current version:</i> 5.8.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> HUSLENDE, Ragnar	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> NP-17	G: yes U: yes	<i>MCC:</i> BOSWARTHICK, David		
	<i>history (event, available, version, comments):</i>				
	NP-14	2002-01-14	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Former title: "General Packet Radio Service (GPRS); Interworking between the Public
	NP-15	2002-03-20	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> NP-16: some indications from N3 report that this spec should not be considered frozen
Land Mobile Network (PLMN) supporting GPRS and Packet".					
					frozen; withdraw SDO publications?
	NP-16	2002-07-02	5 . 2 . 0	<a href="#">get it</a>	yet. So change freeze date from March 2002 to Sept 2002.
edito post	NP-16	2002-07-25	5 . 2 . 1	<a href="#">get it</a>	
	NP-17	2002-09-17	5 . 3 . 0	<a href="#">get it</a>	
	NP-18	2003-01-09	5 . 4 . 0	<a href="#">get it</a>	
	NP-19	2003-03-27	5 . 5 . 0	<a href="#">get it</a>	
	NP-20	2003-06-23	5 . 6 . 0	<a href="#">get it</a>	
	NP-21	2003-10-01	5 . 7 . 0	<a href="#">get it</a>	
	NP-22	2004-01-15	5 . 8 . 0	<a href="#">get it</a>	
<hr/>					
<b>TS 29.078</b>	<b>customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification</b>				
Rel-5	<i>current version:</i> 5.7.0	<i>WG (prime / other):</i> N2 / -	<i>rapporteur:</i> NOLDUS, Rogier	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> NP-16	G: yes U: yes	<i>MCC:</i> JURISIC, Andrijana		
	<i>history (event, available, version, comments):</i>				
	NP-16	2002-06-18	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4
	NP-17	2002-09-17	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> Phase 4
	NP-18	2002-12-18	5 . 2 . 0	<a href="#">get it</a>	
	NP-19	2003-03-25	5 . 3 . 0	<a href="#">get it</a>	
	NP-20	2003-06-25	5 . 4 . 0	<a href="#">get it</a>	
	NP-21	2003-09-29	5 . 5 . 0	<a href="#">get it</a>	
	NP-22	2004-01-05	5 . 6 . 0	<a href="#">get it</a>	
edito post	NP-22	2004-01-22	5 . 6 . 1	<a href="#">get it</a>	Editorial corrections to ASN.1
	NP-23	2004-03-29	5 . 7 . 0	<a href="#">get it</a>	
<hr/>					
<b>TS 29.108</b>	<b>Application of the Radio Access Network Application Part (RANAP) on the E-interface</b>				
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> VESELY, Alexander	SIEMENS AG	
	<i>freeze_meeting:</i> RP-15	G: U: yes	<i>MCC:</i> CALDENHOVEN, Juergen		
	<i>history (event, available, version, comments):</i>				
	RP-15	2002-03-25	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> TSG#8:Appeared as v2.0.0 (RP-000258)
	RP-16	2002-06-28	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .
	RP-18	2003-01-03	5 . 2 . 0	<a href="#">get it</a>	
	RP-19	2003-03-26	5 . 3 . 0	<a href="#">get it</a>	
<hr/>					

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## TS 29.119 GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)

Rel-5 *current version:* 5.0.0 *WG (prime / other):* N4 / - *rapporteur:* AIKAWA, Shinichiro Fujitsu Limited  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
NP-16 2002-06-25 5 . 0 . 0 [get it](#) *remarks - general:* New after TSG#5  
*remarks - this release:* .

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## TS 29.120 Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3

Rel-5 *current version:* 5.0.0 *WG (prime / other):* N4 / - *rapporteur:* MITAMURA, Kazuo NTT COMWARE Corporation  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
NP-16 2002-06-25 5 . 0 . 0 [get it](#) *remarks - general:* New after TSG#5  
*remarks - this release:* .

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## TS 29.198-01 Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview

Rel-5 *current version:* 5.5.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*  
NP-16 2002-06-26 5 . 0 . 0 [get it](#) *remarks - general:*  
NP-17 2002-10-01 5 . 1 . 0 [get it](#) *remarks - this release:* .  
N5-22 2003-04-04 5 . 1 . 1 (Introduction, Reference Titles) [get it](#)  
NP-20 2003-06-18 5 . 2 . 0 [get it](#)  
NP-21 2003-09-30 5 . 3 . 0 [get it](#)  
NP-22 2004-02-02 5 . 4 . 0 Late delivery (anticipated late 2004-02) [get it](#)  
due to dependencies external to MCC on  
programme code attachments (Java,  
CORBA).  
NP-23b 2004-04-19 5 . 5 . 0 [get it](#)

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## TS 29.198-02 Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data

Rel-5 *current version:* 5.6.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-16	2002-06-26	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
NP-17	2002-10-01	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
add missing	2002-10-09	5	.	1	.	1	<a href="#">get it</a>
attachments post							
NP-17							
NP-19	2003-04-04	5	.	2	.	0	<a href="#">get it</a>
NP-20	2003-06-18	5	.	3	.	0	<a href="#">get it</a>
NP-21	2003-09-30	5	.	4	.	0	<a href="#">get it</a>
NP-22	2004-01-30	5	.	5	.	0	Late delivery (anticipated late 2004-02) <a href="#">get it</a> due to dependencies external to MCC on programme code attachments (Java, CORBA).
NP-23b	2004-04-19	5	.	6	.	0	<a href="#">get it</a>

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## TS 29.198-03 Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework

Rel-5 *current version:* 5.6.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-16 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-16	2002-07-05	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
NP-17	2002-10-01	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
NP-19	2003-04-04	5	.	2	.	0	<a href="#">get it</a>
NP-20	2003-06-18	5	.	3	.	0	<a href="#">get it</a>
NP-21	2003-09-30	5	.	4	.	0	<a href="#">get it</a>
NP-22	2004-01-30	5	.	5	.	0	Late delivery (anticipated late 2004-02) <a href="#">get it</a> due to dependencies external to MCC on programme code attachments (Java, CORBA).
NP-23b	2004-04-19	5	.	6	.	0	<a href="#">get it</a>

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## TS 29.198-04-1 Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Common call control data definitions

Rel-5 *current version:* 5.5.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-16 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-16	2002-07-19	5 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i>
NP-17	2002-10-01	5 . 1 . 0	<a href="#">get it</a> <i>remarks - this release: .</i>
NP-19	2003-04-04	5 . 2 . 0	<a href="#">get it</a>
NP-20	2003-06-18	5 . 3 . 0	<a href="#">get it</a>
NP-21	2003-09-30	5 . 4 . 0	<a href="#">get it</a>
NP-23b	2004-04-19	5 . 5 . 0	<a href="#">get it</a>

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## TS 29.198-04-2 Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control data Service Capability Feature (SCF)

Rel-5 *current version:* 5.6.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-16 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-16	2002-07-19	5 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i>
NP-17	2002-10-01	5 . 1 . 0	<a href="#">get it</a> <i>remarks - this release: .</i>
NP-19	2003-04-04	5 . 2 . 0	<a href="#">get it</a>
NP-20	2003-06-18	5 . 3 . 0	<a href="#">get it</a>
NP-21	2003-09-30	5 . 4 . 0	<a href="#">get it</a>
NP-22	2004-01-30	5 . 5 . 0	Late delivery (anticipated late 2004-02) due to dependencies external to MCC on programme code attachments (Java, CORBA). <a href="#">get it</a>
NP-23b	2004-04-19	5 . 6 . 0	<a href="#">get it</a>

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## TS 29.198-04-3 Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data Service Capability Feature (SCF)

Rel-5 *current version:* 5.6.0 *WG (prime / other):* N5 / *rporteur:* ABARCA, Chelo ALCATEL S.A.

*freeze\_meeting:* NP-16 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-16 2002-07-19 5 . 0 . 0

[get it](#) *remarks - general:*

NP-17 2002-10-01 5 . 1 . 0

[get it](#) *remarks - this release:* .

NP-19 2003-04-04 5 . 2 . 0

[get it](#)

NP-20 2003-06-18 5 . 3 . 0

[get it](#)

NP-21 2003-09-30 5 . 4 . 0

[get it](#)

NP-22 2004-01-30 5 . 5 . 0

Late delivery (anticipated late 2004-02)

due to dependencies external to MCC on

programme code attachments (Java,

CORBA).

[get it](#)

NP-23b 2004-04-19 5 . 6 . 0

[get it](#)

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## TS 29.198-04-4 Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)

Rel-5 *current version:* 5.6.0 *WG (prime / other):* N5 / *rporteur:* ABARCA, Chelo ALCATEL S.A.

*freeze\_meeting:* NP-16 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-16 2002-07-19 5 . 0 . 0

[get it](#) *remarks - general:*

NP-17 2002-10-01 5 . 1 . 0

[get it](#) *remarks - this release:* .

NP-19 2003-04-04 5 . 2 . 0

[get it](#)

NP-20 2003-06-18 5 . 3 . 0

[get it](#)

NP-21 2003-09-30 5 . 4 . 0

[get it](#)

NP-22 2004-01-30 5 . 5 . 0

Late delivery (anticipated late 2004-02)

due to dependencies external to MCC on

programme code attachments (Java,

CORBA).

[get it](#)

NP-23b 2004-04-19 5 . 6 . 0

[get it](#)

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## TS 29.198-05 Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction

Rel-5 *current version:* 5.6.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-16	2002-06-26	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
NP-17	2002-10-01	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
NP-19	2003-04-04	5	.	2	.	0	<a href="#">get it</a>
NP-20	2003-06-18	5	.	3	.	0	<a href="#">get it</a>
NP-21	2003-09-30	5	.	4	.	0	<a href="#">get it</a>
NP-22	2004-01-30	5	.	5	.	0	Late delivery (anticipated late 2004-02) due to dependencies external to MCC on programme code attachments (Java, CORBA). <a href="#">get it</a>
NP-23b	2004-04-19	5	.	6	.	0	<a href="#">get it</a>

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## TS 29.198-06 Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility

Rel-5 *current version:* 5.4.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-16	2002-06-26	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
NP-17	2002-10-01	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
NP-19	2003-04-04	5	.	2	.	0	<a href="#">get it</a>
NP-21	2003-09-30	5	.	3	.	0	<a href="#">get it</a>
NP-23b	2004-04-19	5	.	4	.	0	<a href="#">get it</a>

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## TS 29.198-07 Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities

Rel-5 *current version:* 5.5.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-15	2002-03-27	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
NP-16	2002-06-26	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
NP-17	2002-10-01	5	.	2	.	0	<a href="#">get it</a>
NP-19	2003-04-04	5	.	3	.	0	<a href="#">get it</a>
NP-21	2003-09-30	5	.	4	.	0	<a href="#">get it</a>
NP-23b	2004-04-19	5	.	5	.	0	<a href="#">get it</a>

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## TS 29.198-08 Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control

Rel-5 *current version:* 5.5.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-16	2002-06-26	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
NP-17	2002-10-01	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
NP-19	2003-04-04	5	.	2	.	0	<a href="#">get it</a>
NP-20	2003-06-18	5	.	3	.	0	<a href="#">get it</a>
NP-21	2003-09-30	5	.	4	.	0	<a href="#">get it</a>
NP-23b	2004-04-19	5	.	5	.	0	<a href="#">get it</a>

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## TS 29.198-11 Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management

Rel-5 *current version:* 5.4.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-16	2002-07-05	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
NP-17	2002-10-01	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
NP-19	2003-04-04	5	.	2	.	0	<a href="#">get it</a>
NP-21	2003-09-30	5	.	3	.	0	<a href="#">get it</a>
NP-23b	2004-04-19	5	.	4	.	0	<a href="#">get it</a>

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## TS 29.198-12 Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging

Rel-5 *current version:* 5.5.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-16 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-16	2002-07-05	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
NP-17	2002-10-01	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
NP-19	2003-04-04	5	.	2	.	0	<a href="#">get it</a>
NP-21	2003-09-30	5	.	3	.	0	<a href="#">get it</a>
NP-22	2004-01-30	5	.	4	.	0	Late delivery (anticipated late 2004-02) due to dependencies external to MCC on programme code attachments (Java, CORBA). <a href="#">get it</a>
NP-23b	2004-04-19	5	.	5	.	0	<a href="#">get it</a>

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 29.198-13 Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management SCF

Rel-5 *current version:* 5.4.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-16 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

draft	2002-01-29	0	.	0	.	1	N5-020036	<a href="#">get it</a>	<i>remarks - general:</i>
draft	2002-04-22	1	.	0	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> .
NP-16	2002-05-31	2	.	0	.	0	NP-020195	<a href="#">get it</a>	
NP-16	2002-06-17	5	.	0	.	0		<a href="#">get it</a>	
NP-17	2002-10-01	5	.	1	.	0		<a href="#">get it</a>	
NP-21	2003-09-30	5	.	2	.	0		<a href="#">get it</a>	
NP-22	2004-01-30	5	.	3	.	0	Late delivery (anticipated late 2004-02) due to dependencies external to MCC on programme code attachments (Java, CORBA).	<a href="#">get it</a>	
NP-23b	2004-04-19	5	.	4	.	0		<a href="#">get it</a>	

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## TS 29.198-14 Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)

Rel-5 *current version:* 5.5.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-16 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

draft	2002-04-22	1	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
NP-16	2002-05-31	2	.	0	.	0	NP-020196	<a href="#">get it</a>	<i>remarks - this release:</i> .
NP-16	2002-06-17	5	.	0	.	0		<a href="#">get it</a>	
NP-17	2002-10-01	5	.	1	.	0		<a href="#">get it</a>	
NP-20	2003-06-18	5	.	2	.	0		<a href="#">get it</a>	
NP-21	2003-09-30	5	.	3	.	0		<a href="#">get it</a>	
NP-22	2004-01-30	5	.	4	.	0	Late delivery (anticipated late 2004-02) due to dependencies external to MCC on programme code attachments (Java, CORBA).	<a href="#">get it</a>	
NP-23b	2004-04-19	5	.	5	.	0		<a href="#">get it</a>	

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## TS 29.202 Signalling System No. 7 (SS7) signalling transport in core network; Stage 3

Rel-5 *current version:* 5.2.0 *WG (prime / other):* N4 / *rapporteur:* ANGELO, Ciriaco Telefon AB LM Ericsson  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

NP-16	2002-06-25	5	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
NP-17	2002-09-18	5	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> .
NP-18	2003-01-07	5	.	2	.	0		<a href="#">get it</a>	

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G = required in systems with GERAN access; U = required in systems with UMTS access.



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<b>TS 29.205</b>	<b>Application of Q.1900 series to bearer-independent Circuit Switched (CS) core network architecture; Stage 3</b>								
Rel-5	<i>current version:</i> 5.1.0			<i>WG (prime / other):</i> N4 /	<i>rapporteur:</i> HEIDERMARK, Alf	Telefon AB LM Ericsson			
	<i>freeze_meeting:</i> NP-15			<i>G:</i> U: yes	<i>MCC:</i> KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>								
	NP-16	2002-06-25	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-20	2003-06-27	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>									
<b>TS 29.207</b>	<b>Policy control over Go interface</b>								
Rel-5	<i>current version:</i> 5.7.0			<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> RÄSÄNEN, Juha	NOKIA Corporation			
	<i>freeze_meeting:</i> NP-16			<i>G:</i> yes U: yes	<i>MCC:</i> BOSWARTHICK, David				
	<i>history (event, available, version, comments):</i>								
	draft	2001-11-08	0 . 2 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	NP-15: title changed from "End to end Quality of Service (QoS); Stage 3".		
	draft	2002-01-14	0 . 5 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>			
	draft	2002-02-18	0 . 6 . 0		<a href="#">get it</a>				
	NP-15	2002-03-19	1 . 0 . 0	NP-020078	<a href="#">get it</a>				
	draft	2002-04-18	1 . 1 . 0		<a href="#">get it</a>				
	NP-16	2002-06-26	2 . 0 . 0	NP-020167 (RFC ref needs cleaning up)	<a href="#">get it</a>				
	NP-16	2002-06-28	5 . 0 . 0		<a href="#">get it</a>				
	NP-17	2002-09-19	5 . 1 . 0		<a href="#">get it</a>				
	NP-18	2003-01-14	5 . 2 . 0		<a href="#">get it</a>				
	NP-19	2003-03-27	5 . 3 . 0		<a href="#">get it</a>				
	NP-20	2003-06-25	5 . 4 . 0		<a href="#">get it</a>				
	NP-21	2003-10-08	5 . 5 . 0		<a href="#">get it</a>				
edito post	NP-21	2003-10-09	5 . 5 . 1		<a href="#">get it</a>				
	NP-22	2004-01-13	5 . 6 . 0		<a href="#">get it</a>				
	NP-23	2004-03-22	5 . 7 . 0		<a href="#">get it</a>				

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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## TS 29.208 End to end Quality of Service (QoS) signalling flows

Rel-5 *current version:* 5.7.0

*freeze\_meeting:* NP-16

*WG (prime / other):* N3 / *rapporteur:* SILLANPÄÄ, Anna NOKIA Corporation  
*G: yes U: yes* *MCC:* BOSWARTHICK, David

*history (event, available, version, comments):*

draft	2001-11-08	0	.	1	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
draft	2002-01-14	0	.	2	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> .
draft	2002-02-18	0	.	3	.	1		<a href="#">get it</a>	
NP-15	2002-03-19	1	.	0	.	0	NP-020079	<a href="#">get it</a>	
draft	2002-04-18	1	.	1	.	0		<a href="#">get it</a>	
NP-16	2002-06-26	2	.	0	.	0	NP-020166	<a href="#">get it</a>	
NP-16	2002-06-28	5	.	0	.	0		<a href="#">get it</a>	
NP-17	2002-09-18	5	.	1	.	0		<a href="#">get it</a>	
NP-18	2003-01-09	5	.	2	.	0		<a href="#">get it</a>	
NP-19	2003-03-27	5	.	3	.	0		<a href="#">get it</a>	
ediotiral post	NP-19	2003-04-09	5	.	3	.	1	<a href="#">get it</a>	
NP-20	2003-06-23	5	.	4	.	0		<a href="#">get it</a>	
NP-21	2003-10-08	5	.	5	.	0		<a href="#">get it</a>	
edito post	NP-21	2003-10-09	5	.	5	.	1	<a href="#">get it</a>	
NP-22	2004-01-22	5	.	6	.	0		<a href="#">get it</a>	
NP-23	2004-03-22	5	.	7	.	0		<a href="#">get it</a>	

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## TS 29.228 IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents

Rel-5 *current version:* 5.7.0 *WG (prime / other):* N4 / *rapporteur:* PALLARES LÓPEZ, Miguel Angel Telefon AB LM Ericsson  
*freeze\_meeting:* NP-16

*G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

NP-12	2001-07-04	0	.	1	.	0	NP-010303	<a href="#">get it</a>	<i>remarks - general:</i> Additional rapporteur: Miguel-Angel Pallares-Lopez
N4-08		0	.	2	.	0	N4-010697		<i>remarks - this release:</i> .
N4-09		0	.	3	.	0	N4-010837		
N4-11		0	.	4	.	0	N4-011295		
draft		0	.	5	.	0	N4-01407		
NP-14	2002-01-02	1	.	0	.	0	NP-010627	<a href="#">get it</a>	
draft	2002-03-28	1	.	1	.	0		<a href="#">get it</a>	
NP-16	2002-06-25	2	.	0	.	0	NP-020264	<a href="#">get it</a>	
NP-16	2002-06-25	5	.	0	.	0		<a href="#">get it</a>	
NP-17	2002-09-17	5	.	1	.	0		<a href="#">get it</a>	
NP-18	2003-01-07	5	.	2	.	0		<a href="#">get it</a>	
NP-19	2003-04-07	5	.	3	.	0		<a href="#">get it</a>	
NP-20	2003-06-27	5	.	4	.	0		<a href="#">get it</a>	
NP-21	2003-10-09	5	.	5	.	0		<a href="#">get it</a>	
NP-22	2004-01-12	5	.	6	.	0		<a href="#">get it</a>	
NP-23	2004-03-24	5	.	7	.	0		<a href="#">get it</a>	

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## TS 29.229 Cx and Dx interfaces based on the Diameter protocol; Protocol details

Rel-5 *current version:* 5.6.0 *WG (prime / other):* N4 / - *rapporteur:* PALLARES LÓPEZ, Miguel Angel Telefon AB LM Ericsson  
*freeze\_meeting:* NP-16

*G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

N4-09		0	.	1	.	0	N4-010932
N4-10		0	.	2	.	0	N4-011064
N4-11		0	.	3	.	0	N4-011296
N4-11		0	.	4	.	0	N4-011408
NP-14	2002-01-02	1	.	0	.	0	NP-010628
draft	2002-03-28	1	.	1	.	0	
NP-16	2002-06-26	2	.	0	.	0	NP-020265
NP-16	2002-06-25	5	.	0	.	0	
NP-17	2002-09-18	5	.	1	.	0	
NP-18	2003-01-07	5	.	2	.	0	
NP-19	2003-04-07	5	.	3	.	0	
NP-20	2003-06-27	5	.	4	.	0	
NP-21	2003-10-10	5	.	5	.	0	
NP-22	2004-01-12	5	.	6	.	0	

*remarks - general:* 2nd rapporteur: CZOMA, Balazs.

*remarks - this release:* .

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## TS 29.232 Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3

Rel-5 *current version:* 5.7.0 *WG (prime / other):* N4 / - *rapporteur:* PARK, Ian David VODAFONE LTD  
*freeze\_meeting:* NP-15

*G:* *U:* yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

NP-14	2002-01-11	5	.	0	.	0	
NP-14 editorial	2002-01-18	5	.	0	.	1	
NP-15	2002-03-28	5	.	1	.	0	
NP-16	2002-06-21	5	.	2	.	0	
NP-17	2002-09-18	5	.	3	.	0	
NP-18	2003-01-07	5	.	4	.	0	
NP-19	2003-04-04	5	.	5	.	0	
NP-20	2003-06-27	5	.	6	.	0	
NP-23	2004-03-23	5	.	7	.	0	

*remarks - general:* Additional rapporteur: Laura.Pomponi@CSELT.IT

*remarks - this release:* .

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 29.278</b>	<b>customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS)</b>
Rel-5	<i>current version:</i> 5.2.0
	<i>freeze_meeting:</i> NP-18
	<i>WG (prime / other):</i> N2 / -
	<i>rapporteur:</i> REMOQUILLO, Angelica Lucent Technologies
	<i>G:</i> yes <i>U:</i> yes
	<i>MCC:</i> JURISIC, Andrijana
<i>history (event, available, version, comments):</i>	
	N2-25 0 . 1 . 0
	NP-17 2002-09-24 2 . 0 . 0 NP-020349 <a href="#">get it</a>
	NP-17 2002-09-17 5 . 0 . 0 <a href="#">get it</a>
	NP-18 2003-01-10 5 . 1 . 0 <a href="#">get it</a>
	NP-19 2003-03-25 5 . 2 . 0 <a href="#">get it</a>
<i>remarks - general:</i> NP-16 Existance hinted at in N2 report. Draft believed to have been seen at N2.	
<i>remarks - this release:</i> TP-16: this spec unlikely to be freezable by NP-17. CAMEL phase 4.	

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<b>TS 29.328</b>	<b>IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents</b>
Rel-5	<i>current version:</i> 5.7.0
	<i>freeze_meeting:</i> NP-16
	<i>WG (prime / other):</i> N4 / -
	<i>rapporteur:</i> BERRY, Nigel. H Lucent Technologies Network Systems UK
	<i>G:</i> yes <i>U:</i> yes
	<i>MCC:</i> KYMALAINEN, Kimmo
<i>history (event, available, version, comments):</i>	
	NP-16 2002-06-26 2 . 0 . 0 NP-020277 <a href="#">get it</a>
	NP-16 2002-06-25 5 . 0 . 0 <a href="#">get it</a>
	NP-17 2002-09-18 5 . 1 . 0 <a href="#">get it</a>
	NP-18 2003-01-07 5 . 2 . 0 <a href="#">get it</a>
	edito to replace lost annex E post NP-18 2003-01-08 5 . 2 . 1 <a href="#">get it</a>
	NP-19 2003-04-07 5 . 3 . 0 <a href="#">get it</a>
	attached XSD file 2003-04-25 5 . 3 . 1 <a href="#">get it</a>
	attached correct XSD file 2003-04-29 5 . 3 . 2 <a href="#">get it</a>
	Says WG Secretary: nobody's perfect - except Bo Derek
	NP-20 2003-06-27 5 . 4 . 0 <a href="#">get it</a>
	NP-21 2003-10-09 5 . 5 . 0 <a href="#">get it</a>
	NP-22 2004-01-12 5 . 6 . 0 <a href="#">get it</a>
	NP-23 2004-03-24 5 . 7 . 0 <a href="#">get it</a>

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 29.329</b>	<b>Sh interface based on the Diameter protocol</b>					
Rel-5	<i>current version:</i> 5.5.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> BERRY, Nigel. H	Lucent Technologies Network Systems UK		
	<i>freeze_meeting:</i> NP-16	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-16 2002-06-26 2 . 0 . 1 NP-020266		<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-16 2002-06-25 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .		
	NP-17 2002-09-17 5 . 1 . 0		<a href="#">get it</a>			
	NP-18 2003-01-07 5 . 2 . 0		<a href="#">get it</a>			
	NP-19 2003-04-07 5 . 3 . 0		<a href="#">get it</a>			
	NP-20 2003-06-27 5 . 4 . 0		<a href="#">get it</a>			
	NP-22 2004-01-12 5 . 4 . 1 updates application IDs for Cx/Sh allocated by IANA		<a href="#">get it</a>			
	NP-23 2004-03-24 5 . 5 . 0		<a href="#">get it</a>			
<hr/>						
<b>TS 29.414</b>	<b>Core network Nb data transport and transport signalling</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BELLING, Thomas	SIEMENS AG		
	<i>freeze_meeting:</i> NP-15	G: U: yes	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version, comments):</i>					
	NP-15 2002-03-20 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i> .		
<hr/>						
<b>TS 29.415</b>	<b>Core network Nb interface user plane protocols</b>					
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BELLING, Thomas	SIEMENS AG		
	<i>freeze_meeting:</i> NP-15	G: U: yes	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version, comments):</i>					
	NP-15 2002-03-20 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-19 2003-03-27 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TR 29.903</b>	<b>Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)</b>								
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> N4 /	<i>rapporteur:</i> YOUNG, Michael	MOTOROLA Ltd				
	<i>freeze_meeting:</i> NP-15		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>								
		0 . 0 . 1	2001-03				<i>remarks - general:</i>	Supersedes 29.203.	
	NP-12	2001-07-04	0 . 1 . 0	NP-010361		<a href="#">get it</a>	<i>remarks - this release:</i>	NP-11:creation Supersedes 29.203	
	N4-08		0 . 1 . 1						
	N4-09		0 . 2 . 0						
	N4-10		0 . 3 . 0						
	N4-10		0 . 3 . 1						
	NP-14	2002-01-02	2 . 0 . 0	NP-010633		<a href="#">get it</a>			
	NP-14	2002-01-10	5 . 0 . 0			<a href="#">get it</a>			

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<b>TR 29.994</b>	<b>Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults</b>								
Rel-5	<i>current version:</i> 5.0.1		<i>WG (prime / other):</i> N1 / RP	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S				
	<i>freeze_meeting:</i> SP-15		<i>G:</i> yes	<i>U:</i> yes	<i>MCC:</i> JORGENSEN, Per Johan				
	<i>history (event, available, version, comments):</i>								
	NP-16	2002-06-26	5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest	
	edito post NP-18	2002-12-16	5 . 0 . 1	minor editorials to change style from TS to TR.		<a href="#">get it</a>	<i>remarks - this release:</i>	. Release version.	

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<b>TR 29.998-01</b>	<b>Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General Issues on API Mapping</b>								
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> N5 /	<i>rapporteur:</i> ABARCA, Chelo	ALCATEL S.A.				
	<i>freeze_meeting:</i> NP-15		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	NP-16	2002-06-20	5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
							<i>remarks - this release:</i>	.	

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<b>TR 29.998-04-1</b>	<b>Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 1: API to CAP Mapping</b>								
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> N5 /	<i>rapporteur:</i> ABARCA, Chelo	ALCATEL S.A.				
	<i>freeze_meeting:</i> NP-15		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	NP-16	2002-06-20	5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
							<i>remarks - this release:</i>	.	

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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Server location: [http://www.3gpp.org/ftp/Specs/archive/29\\_series](http://www.3gpp.org/ftp/Specs/archive/29_series)

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**TR 29.998-04-4 Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 4: Multiparty Call Control ISC**

Rel-5 *current version:* 5.0.2 *WG (prime / other):* N5 / - *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-16 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

draft	2002-02-19	0	2	1	N5-020084	<a href="#">get it</a>	<i>remarks - general:</i> Evidence for existence unearthed in N5-020143.	
draft	2002-04-22	1	0	0		<a href="#">get it</a>	<i>remarks - this release:</i> .Was originally Rel-6, but moved to Rel 5 NP-15.	
NP-16	2002-05-31	2	0	0	NP-020198 (RFC nos. to be corrected.)	<a href="#">get it</a>		
NP-16	2002-06-20	5	0	0		<a href="#">get it</a>		
edito post	NP-23	2004-03-29	5	0	1	updates IETF references	<a href="#">get it</a>	
edito	2004-04-27	5	0	2	Updated reference to use RFC number.	<a href="#">get it</a>		

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**TR 29.998-05-1 Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 1: API to CAP Mapping**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-16	2002-06-20	5	0	0		<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
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**TR 29.998-05-4 Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 4: API to SMS Mapping**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-16	2002-06-20	5	0	0		<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
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**TR 29.998-06 Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 6: User Location and User Status Service Mapping to MAP**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-16	2002-06-20	5	0	0		<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
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**TR 29.998-08 Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 8: Data Session Control Service Mapping to CAP**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-16	2002-06-20	5	0	0		<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
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Rel-5 **30** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/30\\_series](http://www.3gpp.org/ftp/Specs/archive/30_series)

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**TR 30.902 Guidelines for the modification of the Mobile Application Part (MAP)**

Rel-5 *current version:* 5.0.1 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* NP-19 *G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
NP-19 2003-04-07 5 . 0 . 1 Technically identical to 30.002 v5.0.0. [get it](#) *remarks - general:* NP-19: Number of TR 30.002 changed to avoid potential confusion with old SMG 3.0x  
*remarks - this release:* . series.

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Rel-5 **31** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/31\\_series](http://www.3gpp.org/ftp/Specs/archive/31_series)

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**TS 31.048 Test specification for security mechanisms for the (U)SIM application toolkit**

Rel-5 *current version:* none *WG (prime / other):* T3 / - *rapporteur:* VIALLET, Sophie Indicate persons who left Company and wait for new  
*freeze\_meeting:* TP-21 *G:* yes *U:* yes *MCC:* JURISIC, Andrijana One  
*history (event, available, version, comments):*  
*remarks - general:* Test spec for 23.048.  
*remarks - this release:*

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**TS 31.101 UICC-terminal interface; Physical and logical characteristics**

Rel-5 *current version:* 5.1.0 *WG (prime / other):* T3 / SCP *rapporteur:* VESTERGAARD, Peter NOKIA UK Ltd  
*freeze\_meeting:* TP-17 *G:* *U:* yes *MCC:* JURISIC, Andrijana  
*history (event, available, version, comments):*  
TP-17 2002-09-18 5 . 0 . 0 [get it](#) *remarks - general:* Contents is a reference to ETSI TR 102 221.  
TP-18 2003-01-02 5 . 1 . 0 [get it](#) *remarks - this release:* TP-17: upgraded to Rel-5 to fill gap between Releases 4 and 6.

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## TS 31.102 Characteristics of the USIM application

Rel-5 *current version:* 5.8.0 *WG (prime / other):* T3 / - *rapporteur:* RUBON, Jean-Francois GEMPLUS S.A.  
*freeze\_meeting:* TP-15 *G:* U: yes *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*

TP-15	2002-03-28	5 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i>
TP-16	2002-06-28	5 . 1 . 0	<a href="#">get it</a> <i>remarks - this release:</i> .
TP-17	2002-09-25	5 . 2 . 0	<a href="#">get it</a>
TP-18	2003-01-02	5 . 3 . 0	<a href="#">get it</a>
TP-19	2003-04-01	5 . 4 . 0	<a href="#">get it</a>
TP-20	2003-06-23	5 . 5 . 0	<a href="#">get it</a>
TP-21	2003-09-30	5 . 6 . 0	<a href="#">get it</a>
TP-22	2004-01-12	5 . 7 . 0	<a href="#">get it</a>
TP-23	2004-03-25	5 . 8 . 0	<a href="#">get it</a>

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## TS 31.103 Characteristics of the IP Multimedia Services Identity Module (ISIM) application

Rel-5 *current version:* 5.6.0 *WG (prime / other):* T3 / *rapporteur:* RUBON, Jean-Francois GEMPLUS S.A.  
*freeze\_meeting:* TP-16 *G:* yes *U:* yes *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*

TP-16	2002-06-26	1 . 0 . 0	TP-020124	<a href="#">get it</a> <i>remarks - general:</i> 2004-05-07:additional rapporteur: Peter Vestergaad.
TP-16	2002-06-28	5 . 0 . 0		<a href="#">get it</a> <i>remarks - this release:</i> .
TP-17	2002-09-25	5 . 1 . 0		<a href="#">get it</a>
TP-18	2003-01-02	5 . 2 . 0		<a href="#">get it</a>
TP-19	2003-03-26	5 . 3 . 0		<a href="#">get it</a>
TP-20	2003-06-23	5 . 4 . 0		<a href="#">get it</a>
TP-22	2004-01-12	5 . 5 . 0		<a href="#">get it</a>
TP-23	2004-03-25	5 . 6 . 0		<a href="#">get it</a>

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 31.111</b>	<b>Universal Subscriber Identity Module Application Toolkit (USAT)</b>										
Rel-5	current version: 5.6.0 freeze_meeting: TP-15	WG (prime / other):	T3 / -	rporteur:	WOODSEND, Kristian	Indicate persons who left Company and wait for new One					
		G: yes	U: yes	MCC:	JURISIC, Andrijana						
	history (event, available, version, comments):										
	TP-15 2002-03-28	5	. 0 . 0	<a href="#">get it</a>	remarks - general:	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.					
	TP-16 2002-06-28	5	. 1 . 0	<a href="#">get it</a>	remarks - this release:	.					
	TP-17 2002-09-18	5	. 2 . 0	<a href="#">get it</a>							
	TP-18 2003-01-02	5	. 3 . 0	<a href="#">get it</a>							
	TP-19 2003-04-04	5	. 4 . 0	<a href="#">get it</a>							
	TP-21 2003-09-29	5	. 5 . 0	<a href="#">get it</a>							
	TP-22 2004-01-12	5	. 6 . 0	<a href="#">get it</a>							
<hr/>											
<b>TS 31.112</b>	<b>Universal Subscriber Identity Module Application Toolkit (USAT) interpreter architecture description; Stage 2</b>										
Rel-5	current version: 5.2.0 freeze_meeting: TP-15	WG (prime / other):	T3 /	rporteur:	N, A	Indicate persons who left Company and wait for new One					
		G:	U: yes	MCC:	JURISIC, Andrijana						
	history (event, available, version, comments):										
	TP-11 2001-04-09	1	. 0 . 0	<a href="#">get it</a>	remarks - general:						
	TP-13 2001-10-12	2	. 0 . 0	<a href="#">get it</a>	remarks - this release:	started life as Rel-4 draft, but ran out of time so ended up Rel-5.					
	TP-13 2001-10-12	5	. 0 . 0	<a href="#">get it</a>							
	TP-14 2002-01-14	5	. 1 . 0	<a href="#">get it</a>							
	TP-16 2002-06-19	5	. 2 . 0	<a href="#">get it</a>							
<hr/>											
<b>TS 31.113</b>	<b>Universal Subscriber Identity Module Application Toolkit (USAT) interpreter byte codes</b>										
Rel-5	current version: 5.5.0 freeze_meeting: TP-15	WG (prime / other):	T3 /	rporteur:	N, A	Indicate persons who left Company and wait for new One					
		G:	U: yes	MCC:	JURISIC, Andrijana						
	history (event, available, version, comments):										
	TP-11 2001-04-09	1	. 0 . 0	<a href="#">get it</a>	remarks - general:						
	TP-13 2001-10-12	2	. 0 . 0	<a href="#">get it</a>	remarks - this release:	started life as Rel-4 draft, but ran out of time so ended up Rel-5.					
	TP-13 2001-10-12	5	. 0 . 0	<a href="#">get it</a>							
	TP-14 2002-01-14	5	. 1 . 0	<a href="#">get it</a>							
	TP-15 2002-03-28	5	. 2 . 0	<a href="#">get it</a>							
	TP-16 2002-06-19	5	. 3 . 0	<a href="#">get it</a>							
	TP-17 2002-09-25	5	. 4 . 0	<a href="#">get it</a>							
	TP-19 2003-03-26	5	. 5 . 0	<a href="#">get it</a>							

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## TS 31.114 Universal Subscriber Identity Module Application Toolkit (USAT) interpreter protocol and administration

Rel-5 *current version:* 5.3.0 *WG (prime / other):* T3 / *rapporteur:* MEYER, Michael GIESECKE & DEVRIENT GmbH  
*freeze\_meeting:* TP-15 *G:* *U:* yes *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*

TP-14	2002-01-02	1	.	0	.	0	TP-010248
TP-15	2002-03-19	1	.	5	.	1	TP-020030
TP-15	2002-03-19	2	.	0	.	0	TP-020077
TP-15	2002-03-28	5	.	0	.	0	
TP-16	2002-06-19	5	.	1	.	0	
TP-17	2002-09-25	5	.	2	.	0	
TP-19	2003-03-26	5	.	3	.	0	

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 31.121 UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification

Rel-5 *current version:* none *WG (prime / other):* T3 / - *rapporteur:* AFCHAR, Ramin VODAFONE Group Plc  
*freeze\_meeting:* *G:* *U:* yes *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*

*remarks - general:* based on R99 core spec; split into 2 parts (this is 2)  
*remarks - this release:* 2003-07-15 (Dietze): It is the intention that a Rel-5 be created - eventually.

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## TR 31.900 SIM/USIM internal and external interworking aspects

Rel-5 *current version:* 5.4.0 *WG (prime / other):* T3 / *rapporteur:* KALINER, Stefan T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* SP-15 *G:* *U:* yes *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*

TP-15	2002-03-28	5	.	0	.	0	
TP-16	2002-06-19	5	.	1	.	0	
TP-19	2003-03-26	5	.	2	.	0	
TP-21	2003-09-29	5	.	3	.	0	
TP-22	2004-01-12	5	.	4	.	0	

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* .  
[get it](#)  
[get it](#)

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<b>TS 32.101</b>	<b>Telecommunication management; Principles and high level requirements</b>								
Rel-5	<i>current version:</i> 5.5.0		<i>WG (prime / other):</i> S5 / -		<i>rapporteur:</i> TRUSS, Michael		MOTOROLA Ltd		
	<i>freeze_meeting:</i> SP-15		G:	U: yes	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	SP-15	2002-03-26	5	. 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-17	2002-09-18	5	. 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	SP-18	2003-01-06	5	. 2 . 0	<a href="#">get it</a>				
	SP-19	2003-03-31	5	. 3 . 0	<a href="#">get it</a>				
	SP-20	2003-06-18	5	. 4 . 0	<a href="#">get it</a>				
	SP-21	2003-10-02	5	. 5 . 0	<a href="#">get it</a>				
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<b>TS 32.102</b>	<b>Telecommunication management; Architecture</b>								
Rel-5	<i>current version:</i> 5.6.0		<i>WG (prime / other):</i> S5 / -		<i>rapporteur:</i> BERGGREN, Tommy		TeliaSonera AB		
	<i>freeze_meeting:</i> SP-15		G:	U: yes	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	SP-15	2002-03-26	5	. 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-17	2002-09-18	5	. 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	SP-18	2003-01-06	5	. 2 . 0	<a href="#">get it</a>				
	SP-19	2003-03-31	5	. 3 . 0	<a href="#">get it</a>				
	SP-21	2003-10-03	5	. 4 . 0	<a href="#">get it</a>				
	SP-22	2004-01-05	5	. 5 . 0	<a href="#">get it</a>				
	post SP-22 edito	2004-01-13	5	. 5 . 1	<a href="#">get it</a>				
	SP-23	2004-03-23	5	. 6 . 0	<a href="#">get it</a>				
<hr/>									
<b>TS 32.111-1</b>	<b>Telecommunication management; Fault Management; Part 1: 3G fault management requirements</b>								
Rel-5	<i>current version:</i> 5.1.1		<i>WG (prime / other):</i> S5 / -		<i>rapporteur:</i> SCHMIDT, Joerg		MOTOROLA A/S		
	<i>freeze_meeting:</i> SP-15		G: yes	U: yes	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	SP-15	2002-03-26	5	. 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> TSG#8: split into 4 parts			
	SP-17	2002-09-18	5	. 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	edito (layout and references)	2003-01-07	5	. 1 . 1	<a href="#">get it</a>				

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**TS 32.111-2 Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)**

Rel-5 *current version:* 5.4.0 *WG (prime / other):* S5 / - *rapporteur:* SCHMIDT, Joerg MOTOROLA A/S  
*freeze\_meeting:* SP-15 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-15	2002-03-26	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> TSG#8: split into 4 parts
SP-17	2002-09-20	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
SP-18	2003-01-09	5	.	2	.	0	<a href="#">get it</a>
SP-19	2003-03-31	5	.	3	.	0	<a href="#">get it</a>
SP-20	2003-06-27	5	.	4	.	0	<a href="#">get it</a>

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**TS 32.111-3 Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)**

Rel-5 *current version:* 5.5.1 *WG (prime / other):* S5 / - *rapporteur:* TSE, Edwin Ericsson Incorporated  
*freeze\_meeting:* SP-15 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-15	2002-03-26	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> TSG#8: split into 4 parts
SP-17	2002-10-08	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
SP-18	2003-01-09	5	.	2	.	0	<a href="#">get it</a>
SP-19	2003-04-01	5	.	3	.	0	<a href="#">get it</a>
SP-20	2003-06-27	5	.	4	.	0	<a href="#">get it</a>
SP-22	2004-01-05	5	.	5	.	0	<a href="#">get it</a>
post SP-22 edito	2004-01-13	5	.	5	.	1	<a href="#">get it</a>

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**TS 32.111-4 Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)**

Rel-5 *current version:* 5.7.1 *WG (prime / other):* S5 / - *rapporteur:* POLLAKOWSKI, Olaf SIEMENS AG  
*freeze\_meeting:* SP-15 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-15	2002-03-26	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> TSG#8: split into 4 parts
SP-16	2002-06-20	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
SP-17	2002-09-20	5	.	2	.	0	<a href="#">get it</a>
SP-18	2003-01-09	5	.	3	.	0	<a href="#">get it</a>
SP-19	2003-04-01	5	.	4	.	0	<a href="#">get it</a>
SP-20	2003-06-27	5	.	5	.	0	<a href="#">get it</a>
SP-21	2003-10-02	5	.	6	.	0	<a href="#">get it</a>
SP-22	2004-01-05	5	.	7	.	0	<a href="#">get it</a>
post SP-22 edito	2004-01-13	5	.	7	.	1	<a href="#">get it</a>

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<b>TS 32.200</b>	<b>Telecommunication management; Charging management; Charging principles</b>					
Rel-5	<i>current version:</i> 5.6.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> GOERMER, Gerald	SIEMENS AG		
	<i>freeze_meeting:</i> SP-17	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version, comments):</i>					
	SP-15 2002-03-26 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-16 2002-06-20 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	SP-18 2003-01-06 5 . 2 . 0	<a href="#">get it</a>				
	SP-19 2003-04-02 5 . 3 . 0	<a href="#">get it</a>				
	SP-20 2003-06-27 5 . 4 . 0	<a href="#">get it</a>				
	SP-21 2003-10-02 5 . 5 . 0	<a href="#">get it</a>				
	SP-23 2004-03-25 5 . 6 . 0	<a href="#">get it</a>				

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<b>TS 32.205</b>	<b>Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain</b>					
Rel-5	<i>current version:</i> 5.6.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> ALEXANDER, Benni	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-15	G: U: yes	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version, comments):</i>					
	SP-15 2002-03-27 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-16 2002-06-20 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	SP-18 2003-01-09 5 . 2 . 0	<a href="#">get it</a>				
	SP-19 2003-04-02 5 . 3 . 0	<a href="#">get it</a>				
	SP-20 2003-06-27 5 . 4 . 0	<a href="#">get it</a>				
	SP-22 2004-01-05 5 . 5 . 0	<a href="#">get it</a>				
	SP-23 2004-03-24 5 . 6 . 0	<a href="#">get it</a>				

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<b>TS 32.215</b>	<b>Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain</b>					
Rel-5	<i>current version:</i> 5.5.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> ALEXANDER, Benni	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-15	G: U: yes	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version, comments):</i>					
	SP-15 2002-03-27 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-16 2002-06-20 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	SP-18 2003-01-09 5 . 2 . 0	<a href="#">get it</a>				
	SP-19 2003-04-02 5 . 3 . 0	<a href="#">get it</a>				
	SP-20 2003-06-09 5 . 4 . 0	<a href="#">get it</a>				
	SP-22 2004-01-05 5 . 5 . 0	<a href="#">get it</a>				

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<b>TS 32.225</b>	<b>Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)</b>								
Rel-5	<i>current version:</i> 5.5.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> TEPP0, Patrik						NANJING ERICSSON PANDA COMMUNICATIONS LTD
	<i>freeze_meeting:</i> SP-17								
		G: yes	U: yes		MCC:				ZOICAS, Adrian
	<i>history (event, available, version, comments):</i>								
	SP-15 2002-03-19	1 . 0 . 0		SP-020033	<a href="#">get it</a>			remarks - general:	
	SP-16 2002-06-17	1 . 5 . 0		SP-020327	<a href="#">get it</a>			remarks - this release: .	
	draft 2002-07-19	1 . 7 . 0			<a href="#">get it</a>				
	SP-17 2002-09-16	2 . 0 . 0		SP-020453	<a href="#">get it</a>				
	SP-17 2002-09-18	5 . 0 . 0		"Support of Diameter is mandatory."	<a href="#">get it</a>				
	SP-18 2003-01-06	5 . 1 . 0			<a href="#">get it</a>				
	SP-19 2003-04-02	5 . 2 . 0			<a href="#">get it</a>				
	SP-20 2003-06-27	5 . 3 . 0			<a href="#">get it</a>				
	SP-22 2004-01-05	5 . 4 . 0			<a href="#">get it</a>				
	SP-23 2004-03-24	5 . 5 . 0			<a href="#">get it</a>				
<hr/>									
<b>TS 32.235</b>	<b>Telecommunication management; Charging management; Charging data description for application services</b>								
Rel-5	<i>current version:</i> 5.4.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> GOERMER, Gerald						SIEMENS AG
	<i>freeze_meeting:</i> SP-17								
	<i>history (event, available, version, comments):</i>								
	SP-17 2002-09-18	5 . 0 . 0			<a href="#">get it</a>			remarks - general:	
	SP-18 2003-01-07	5 . 1 . 0			<a href="#">get it</a>			remarks - this release: .	
	SP-19 2003-04-02	5 . 2 . 0			<a href="#">get it</a>				
	SP-20 2003-06-27	5 . 3 . 0			<a href="#">get it</a>				
	SP-21 2003-10-02	5 . 4 . 0			<a href="#">get it</a>				
<hr/>									
<b>TS 32.300</b>	<b>Telecommunication management; Configuration Management (CM); Name convention for Managed Objects</b>								
Rel-5	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOVINGER, Thomas						Telefon AB LM Ericsson
	<i>freeze_meeting:</i> SP-17								
	<i>history (event, available, version, comments):</i>								
	SP-17 2002-09-18	5 . 0 . 0			<a href="#">get it</a>			remarks - general:	Replaces 32.106-8 (pars)
	edito post SP-18 2003-01-13	5 . 0 . 1			<a href="#">get it</a>			remarks - this release: .	

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<b>TS 32.301</b>	<b>Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Requirements</b>								
Rel-5	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> SCHMIDT, Joerg	MOTOROLA A/S					
	<i>freeze_meeting:</i> SP-15	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-15 2002-03-26	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.301-1					
	edito post SP-18 2003-01-13	5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .					
<hr/>									
<b>TS 32.302</b>	<b>Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service (IS)</b>								
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TSE, Edwin	Ericsson Incorporated					
	<i>freeze_meeting:</i> SP-15	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-14 2002-01-11	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.301-2					
	edito 2002-03-26	5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .					
	edito post SP-18 2003-01-13	5 . 0 . 2	<a href="#">get it</a>						
	SP-20 2003-06-27	5 . 1 . 0	<a href="#">get it</a>						
<hr/>									
<b>TS 32.303</b>	<b>Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution</b>								
Rel-5	<i>current version:</i> Set (SS)	5.2.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> POLLAKOWSKI, Olaf	SIEMENS AG				
	<i>freeze_meeting:</i> SP-15	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-15 2002-03-26	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.301-3					
	SP-17 2002-09-18	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .					
	edito post SP-17 2002-10-01	5 . 1 . 1	<a href="#">get it</a>						
	edito post SP-18 2003-01-13	5 . 1 . 2	<a href="#">get it</a>						
	SP-19 2003-03-31	5 . 2 . 0	<a href="#">get it</a>						
<hr/>									
<b>TS 32.304</b>	<b>Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set</b>								
Rel-5	<i>current version:</i> 5.2.1	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> POLLAKOWSKI, Olaf	SIEMENS AG					
	<i>freeze_meeting:</i> SP-15	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-14 2002-01-11	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.301-4					
	SP-15 2002-03-26	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .					
	SP-16 2002-06-20	5 . 2 . 0	<a href="#">get it</a>						
	edito post SP-18 2003-01-13	5 . 2 . 1	<a href="#">get it</a>						

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<b>TS 32.311</b>	<b>Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements</b>								
Rel-5	<i>current version:</i> 5.1.0			<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> TSE, Edwin		Ericsson Incorporated		
	<i>freeze_meeting:</i> SP-15			G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	SP-15	2002-03-26	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.112-1
edito post	SP-18	2003-01-13	5	.	0	.	1	<a href="#">get it</a>	<i>remarks - this release:</i> .
	SP-22	2004-01-05	5	.	1	.	0	<a href="#">get it</a>	

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<b>TS 32.312</b>	<b>Telecommunication management; Generic Integration Reference Point (IRP) management; Information Service (IS)</b>								
Rel-5	<i>current version:</i> 5.1.0			<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> TSE, Edwin		Ericsson Incorporated		
	<i>freeze_meeting:</i> SP-15			G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	SP-15	2002-03-26	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.112-2
edito post	SP-18	2003-01-13	5	.	0	.	1	<a href="#">get it</a>	<i>remarks - this release:</i> .
	SP-22	2004-01-05	5	.	1	.	0	<a href="#">get it</a>	

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<b>TS 32.321</b>	<b>Telecommunication management; Test management Integration Reference Point (IRP): Requirements</b>								
Rel-5	<i>current version:</i> 5.0.1			<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> POLLAKOWSKI, Olaf		SIEMENS AG		
	<i>freeze_meeting:</i> SP-15			G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	SP-16	2002-06-17	1	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	SP-17	2002-09-06	2	.	0	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> .
	SP-17	2002-09-18	5	.	0	.	0	<a href="#">get it</a>	
edito post	SP-18	2003-01-13	5	.	0	.	1	<a href="#">get it</a>	

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<b>TS 32.322</b>	<b>Telecommunication management; Test management Integration Reference Point (IRP): Information Service (IS)</b>								
Rel-5	<i>current version:</i> 5.0.1			<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> POLLAKOWSKI, Olaf		SIEMENS AG		
	<i>freeze_meeting:</i> SP-17			G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	SP-16	2002-06-17	1	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	SP-17	2002-09-16	2	.	0	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> .
	SP-17	2002-09-18	5	.	0	.	0	<a href="#">get it</a>	
edito post	SP-18	2003-01-13	5	.	0	.	1	<a href="#">get it</a>	

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**TS 32.323 Telecommunication management; Test management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)**

Rel-5 *current version:* 5.0.1 *WG (prime / other):* S5 / - *rapporteur:* TSE, Edwin Ericsson Incorporated  
*freeze\_meeting:* SP-17 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-16	2002-06-17	1	.	0	.	0	SP-020328	<a href="#">get it</a>	<i>remarks - general:</i>
SP-17	2002-09-16	2	.	0	.	0	SP-020458	<a href="#">get it</a>	<i>remarks - this release:</i> .
SP-17	2002-09-18	5	.	0	.	0		<a href="#">get it</a>	
edito post SP-18	2003-01-13	5	.	0	.	1		<a href="#">get it</a>	

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**TS 32.324 Telecommunication management; Test management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)**

Rel-5 *current version:* 5.0.1 *WG (prime / other):* S5 / - *rapporteur:* POLLAKOWSKI, Olaf SIEMENS AG  
*freeze\_meeting:* SP-17 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-16	2002-06-17	1	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
SP-17	2002-09-16	2	.	0	.	0	SP-020459	<a href="#">get it</a>	<i>remarks - this release:</i> .
SP-17	2002-09-18	5	.	0	.	0		<a href="#">get it</a>	
edito post SP-18	2003-01-13	5	.	0	.	1		<a href="#">get it</a>	

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**TS 32.401 Telecommunication management; Performance Management (PM); Concept and requirements**

Rel-5 *current version:* 5.2.0 *WG (prime / other):* S5 / - *rapporteur:* HÜBINETTE, Ulf Telefon AB LM Ericsson  
*freeze\_meeting:* SP-15 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-15	2002-03-26	5	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i> was 32.104 (pars)
SP-17	2002-09-18	5	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> .
SP-20	2003-06-27	5	.	2	.	0		<a href="#">get it</a>	

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<b>TS 32.403</b>	<b>Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM</b>								
Rel-5	<i>current version:</i> 5.6.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOCHE, Christian	NORTEL NETWORKS (EUROPE)					
	<i>freeze_meeting:</i> SP-15	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-16	2002-06-20	5 . 0 . 0	WARNING: approved CRs 004, 005 & 006 accidentally not implemented!! (But these CRs later withdrawn.)	<a href="#">get it</a>	<i>remarks - general:</i>	was 32.104 (pars)		
						<i>remarks - this release:</i>	.		
	SP-17	2002-09-19	5 . 1 . 0		<a href="#">get it</a>				
	SP-19	2003-03-31	5 . 2 . 0		<a href="#">get it</a>				
	SP-20	2003-06-27	5 . 3 . 0		<a href="#">get it</a>				
	SP-21	2003-10-15	5 . 4 . 0		<a href="#">get it</a>				
	SP-22	2004-01-05	5 . 5 . 0		<a href="#">get it</a>				
	SP-23	2004-03-24	5 . 6 . 0		<a href="#">get it</a>				
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<b>TS 32.600</b>	<b>Telecommunication management; Configuration Management (CM); Concept and high-level requirements</b>								
Rel-5	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOVINGER, Thomas	Telefon AB LM Ericsson					
	<i>freeze_meeting:</i> SP-17	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-17	2002-09-20	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	Replaces 32.106 (pars).		
	edito	2003-06-18	5 . 0 . 1	Title aligned with the 3GPP Database	<a href="#">get it</a>	<i>remarks - this release:</i>	.		
<hr/>									
<b>TS 32.601</b>	<b>Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Requirements</b>								
Rel-5	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PIRT, Trevor	MOTOROLA Ltd					
	<i>freeze_meeting:</i> SP-17	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-17	2002-09-23	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	was 32.601-1		
	edito	2003-06-18	5 . 0 . 1	Title aligned with the 3GPP Database	<a href="#">get it</a>	<i>remarks - this release:</i>	.		
<hr/>									
<b>TS 32.602</b>	<b>Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Information Service (SS)</b>								
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOVINGER, Thomas	Telefon AB LM Ericsson					
	<i>freeze_meeting:</i> SP-17	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-17	2002-09-27	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	was 32.601-2		
	SP-19	2003-03-31	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	.		
	SP-22	2004-01-13	5 . 2 . 0		<a href="#">get it</a>				
	SP-23	2004-03-23	5 . 3 . 0		<a href="#">get it</a>				

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**TS 32.603 Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution**

Rel-5 *current version:* 5.2.0 *WG (prime / other):* S5 / - *rapporteur:* TSE, Edwin Ericsson Incorporated  
*freeze\_meeting:* SP-17 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*  
SP-17 2002-09-27 5 . 0 . 0 [get it](#) *remarks - general:* was 32.601-3  
SP-19 2003-03-31 5 . 1 . 0 [get it](#) *remarks - this release:* .  
SP-20 2003-06-27 5 . 2 . 0 [get it](#)

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**TS 32.604 Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP) Common Management Information Protocol (CMIP) Solution Set**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* S5 / - *rapporteur:* POLLAKOWSKI, Olaf SIEMENS AG  
*freeze\_meeting:* SP-17 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*  
SP-18 2003-01-08 5 . 0 . 0 [get it](#) *remarks - general:* was 32.601-4  
*remarks - this release:* .

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**TS 32.611 Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Requirements**

Rel-5 *current version:* 5.1.0 *WG (prime / other):* S5 / *rapporteur:* PAL, Tapinder T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* SP-16 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*  
SP-16 2002-06-21 5 . 0 . 0 [get it](#) *remarks - general:* was 32.602-1  
SP-17 2002-09-27 5 . 1 . 0 [get it](#) *remarks - this release:* .

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**TS 32.612 Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information Service (IS)**

Rel-5 *current version:* 5.3.0 *WG (prime / other):* S5 / *rapporteur:* PIRT, Trevor MOTOROLA Ltd  
*freeze\_meeting:* SP-17 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*  
SP-17 2002-09-27 5 . 0 . 0 [get it](#) *remarks - general:* was 32.602-2  
SP-18 2003-01-07 5 . 1 . 0 [get it](#) *remarks - this release:* .  
edito 2003-03-31 5 . 1 . 1 [get it](#)  
SP-22 2004-01-13 5 . 2 . 0 [get it](#)  
SP-23 2004-03-24 5 . 3 . 0 [get it](#)

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**TS 32.613 Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution**

Rel-5 *current version:* 5.1.0 *WG (prime / other):* S5 / *rapporteur:* PIRT, Trevor MOTOROLA Ltd  
*freeze\_meeting:* SP-17 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*  
SP-17 2002-09-27 5 . 0 . 0 [get it](#) *remarks - general:* was 32.602-3  
SP-19 2003-03-31 5 . 1 . 0 [get it](#) *remarks - this release:* .

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 32.614</b>	<b>Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set</b>
Rel-5	<i>current version:</i> 5.0.0
	<i>freeze_meeting:</i> SP-17
	<i>WG (prime / other):</i> S5 / <i>rapporteur:</i> POLLAKOWSKI, Olaf SIEMENS AG
	<i>G:</i> yes <i>U:</i> yes <i>MCC:</i> ZOICAS, Adrian
	<i>history (event, available, version, comments):</i>
	SP-18 2003-01-07 5 . 0 . 0
	<a href="#">get it</a> <i>remarks - general:</i> was 32.602-4
	<i>remarks - this release:</i> .

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<b>TS 32.615</b>	<b>Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition</b>
Rel-5	<i>current version:</i> 5.4.0
	<i>freeze_meeting:</i> SP-16
	<i>WG (prime / other):</i> S5 / <i>rapporteur:</i> BONNEAU, Frédéric NORTEL NETWORKS (EUROPE)
	<i>G:</i> yes <i>U:</i> yes <i>MCC:</i> ZOICAS, Adrian
	<i>history (event, available, version, comments):</i>
	SP-16 2002-06-21 5 . 0 . 0
	edito after SP-17 2002-09-18 5 . 0 . 1
	SP-20 2003-06-27 5 . 1 . 0
	SP-21 2003-10-01 5 . 2 . 0
	Adds XML file with 2003-10-17 5 . 2 . 1
	reference from
	document
	SP-22 2004-01-14 5 . 3 . 0
	SP-23 2004-03-24 5 . 4 . 0
	<a href="#">get it</a> <i>remarks - general:</i> was 32.602-5
	<a href="#">get it</a> <i>remarks - this release:</i> .
	<a href="#">get it</a>
	<a href="#">get it</a>
	<a href="#">get it</a>

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<b>TS 32.621</b>	<b>Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP); Requirements</b>
Rel-5	<i>current version:</i> 5.0.0
	<i>freeze_meeting:</i> SP-17
	<i>WG (prime / other):</i> S5 / - <i>rapporteur:</i> PIRT, Trevor MOTOROLA Ltd
	<i>G:</i> yes <i>U:</i> yes <i>MCC:</i> ZOICAS, Adrian
	<i>history (event, available, version, comments):</i>
	SP-17 2002-09-27 5 . 0 . 0
	<a href="#">get it</a> <i>remarks - general:</i> was 32.620-1
	<i>remarks - this release:</i> .

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<b>TS 32.622</b>	<b>Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)</b>
Rel-5	<i>current version:</i> 5.3.0
	<i>freeze_meeting:</i> SP-17
	<i>WG (prime / other):</i> S5 / - <i>rapporteur:</i> TOVINGER, Thomas Telefon AB LM Ericsson
	<i>G:</i> yes <i>U:</i> yes <i>MCC:</i> ZOICAS, Adrian
	<i>history (event, available, version, comments):</i>
	SP-17 2002-09-27 5 . 0 . 0
	SP-20 2003-06-27 5 . 1 . 0
	SP-22 2004-01-13 5 . 2 . 0
	SP-23 2004-03-24 5 . 3 . 0
	<a href="#">get it</a> <i>remarks - general:</i> was 32.620-2
	<a href="#">get it</a> <i>remarks - this release:</i> .
	<a href="#">get it</a>
	<a href="#">get it</a>

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<b>TS 32.623</b>	<b>Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture</b>						
Rel-5	<i>current version: (CORBA) Solution Set (SS)</i>	5.2.0	<i>WG (prime / other):</i>	S5	/-	<i>rporteur:</i>	PIRT, Trevor
MOTOROLA Ltd							
	<i>freeze_meeting:</i>	SP-17	G: yes	U: yes	MCC:	ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>						
	SP-17	2002-09-27	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	was 32.620-3	
	SP-19	2003-04-01	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	.	
	SP-23	2004-03-24	5 . 2 . 0	<a href="#">get it</a>			
<hr/>							
<b>TS 32.624</b>	<b>Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol</b>						
Rel-5	<i>current version: (CMIP) Solution Set (SS)</i>	5.3.0	<i>WG (prime / other):</i>	S5	/-	<i>rporteur:</i>	POLLAKOWSKI, Olaf
SIEMENS AG							
	<i>freeze_meeting:</i>	SP-17	G: yes	U: yes	MCC:	ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>						
	SP-17	2002-09-27	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	was 32.620-4	
	SP-21	2003-10-02	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	.	
	SP-22	2004-01-13	5 . 2 . 0	<a href="#">get it</a>			
	SP-23	2004-03-24	5 . 3 . 0	<a href="#">get it</a>			
<hr/>							
<b>TS 32.625</b>	<b>Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML)</b>						
Rel-5	<i>current version: file format definition</i>	5.2.0	<i>WG (prime / other):</i>	S5	/-	<i>rporteur:</i>	BONNEAU, Frédéric
NORTEL NETWORKS (EUROPE)							
	<i>freeze_meeting:</i>	SP-15	G: yes	U: yes	MCC:	ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>						
	SP-16	2002-06-17	1 . 0 . 0	SP-020298 pars	<a href="#">get it</a>	<i>remarks - general:</i>	
	SP-17	2002-09-06	2 . 0 . 0	SP-020460	<a href="#">get it</a>	<i>remarks - this release:</i>	
	SP-17	2002-09-18	5 . 0 . 0		<a href="#">get it</a>	.	
	SP-20	2003-06-27	5 . 1 . 0		<a href="#">get it</a>		
	Editorials & Cosmetics	2003-10-08	5 . 1 . 1		<a href="#">get it</a>		
	Adds XML file with reference from document	2003-10-17	5 . 1 . 2		<a href="#">get it</a>		
	SP-23	2004-03-24	5 . 2 . 0		<a href="#">get it</a>		

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<b>TS 32.631</b>	<b>Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Requirements</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PIRT, Trevor	MOTOROLA Ltd	
	<i>freeze_meeting:</i> SP-16	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>				
	SP-16 2002-06-28 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	was 32.621-1	
			<i>remarks - this release:</i>	.	
<hr/>					
<b>TS 32.632</b>	<b>Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)</b>				
Rel-5	<i>current version:</i> 5.5.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PAL, Tapinder	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> SP-17	<i>G:</i> yes	<i>U:</i> yes	<i>MCC:</i> ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>				
	SP-17 2002-09-23 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	was 32.621-2	
	SP-18 2003-01-07 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	.	
	SP-19 2003-04-01 5 . 2 . 0	<a href="#">get it</a>			
	SP-20 2003-06-27 5 . 3 . 0	<a href="#">get it</a>			
	SP-21 2003-10-15 5 . 4 . 0	<a href="#">get it</a>			
	SP-22 2004-01-13 5 . 5 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 32.633</b>	<b>Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Object Request Broker Architecture</b>				
Rel-5	<i>current version:</i> (CORBA) solution set	5.1.0	<i>WG (prime / other):</i> S5	/- <i>rapporteur:</i> PAL, Tapinder	T-
MOBILE DEUTSCHLAND					
	<i>freeze_meeting:</i> SP-17	<i>G:</i> yes	<i>U:</i> yes	<i>MCC:</i> ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>				
	SP-17 2002-09-27 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	was 32.621-3	
	SP-18 2003-01-07 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	.	
<hr/>					
<b>TS 32.634</b>	<b>Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Management Information Protocol</b>				
Rel-5	<i>current version:</i> (CMIP) solution set	5.2.0	<i>WG (prime / other):</i> S5	/- <i>rapporteur:</i> POLLAKOWSKI, Olaf	
SIEMENS AG					
	<i>freeze_meeting:</i> SP-17	<i>G:</i> yes	<i>U:</i> yes	<i>MCC:</i> ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>				
	SP-18 2003-01-08 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	was 32.621-4	
	SP-22 2004-01-13 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	.	
	SP-23 2004-03-24 5 . 2 . 0	<a href="#">get it</a>			

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<b>TS 32.635</b>	<b>Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file</b>								
Rel-5	<i>current version: format definition</i>	5.2.0	<i>WG (prime / other):</i>	S5	/-	<i>rapporteur:</i>	BONNEAU, Frédéric		
NORTEL NETWORKS (EUROPE)									
	<i>freeze_meeting:</i>	SP-16	G: yes	U: yes	MCC:	ZOICAS, Adrian			
<i>history (event, available, version, comments):</i>									
	SP-16	2002-06-17	1 . 0 . 0	SP-020298 pars	<a href="#">get it</a>	<i>remarks - general:</i>	RP-15: existence gleaned from S5 report.		
	SP-17	2002-09-16	2 . 0 . 0	SP-020461	<a href="#">get it</a>	<i>remarks - this release:</i>	.		
	SP-17	2002-09-18	5 . 0 . 0		<a href="#">get it</a>				
	SP-20	2003-06-27	5 . 1 . 0		<a href="#">get it</a>				
Adds XML file with	2003-10-17	5 . 1 . 1			<a href="#">get it</a>				
reference from									
document									
	SP-23	2004-03-24	5 . 2 . 0		<a href="#">get it</a>				
<hr/>									
<b>TS 32.641</b>	<b>Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Requirements</b>								
Rel-5	<i>current version: 5.0.0</i>		<i>WG (prime / other):</i>	S5	/-	<i>rapporteur:</i>	PIRT, Trevor      MOTOROLA Ltd		
	<i>freeze_meeting:</i>	SP-17	G:	U: yes	MCC:	ZOICAS, Adrian			
<i>history (event, available, version, comments):</i>									
	SP-17	2002-09-27	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	was 32.622-1		
						<i>remarks - this release:</i>	.		
<hr/>									
<b>TS 32.642</b>	<b>Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)</b>								
Rel-5	<i>current version: 5.3.0</i>		<i>WG (prime / other):</i>	S5	/-	<i>rapporteur:</i>	PETERSEN, Robert      Ericsson AB		
	<i>freeze_meeting:</i>	SP-17	G:	U: yes	MCC:	ZOICAS, Adrian			
<i>history (event, available, version, comments):</i>									
	SP-17	2002-09-27	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	was 32.622-2		
	SP-18	2003-01-07	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	.		
edito post	SP-18 to	2003-01-09	5 . 1 . 1		<a href="#">get it</a>				
accept all rev marks									
	SP-20	2003-06-26	5 . 2 . 0		<a href="#">get it</a>				
	SP-22	2004-01-13	5 . 3 . 0		<a href="#">get it</a>				

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<b>TS 32.643</b>	<b>Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture</b>							
Rel-5	current version: (CORBA) Solution Set (SS)	5.2.0	WG (prime / other):	S5	/-	rporteur:	RAYMER, David	Motorola Inc.
	freeze_meeting: SP-17	G:	U: yes	MCC:			ZOICAS, Adrian	
	history (event, available, version, comments):							
	SP-17 2002-09-27 5 . 0 . 0		<a href="#">get it</a>	remarks - general:			was 32.622-3	
	SP-20 2003-06-27 5 . 1 . 0		<a href="#">get it</a>	remarks - this release:			.	
	SP-22 2004-01-13 5 . 2 . 0		<a href="#">get it</a>					
<hr/>								
<b>TS 32.644</b>	<b>Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol</b>							
Rel-5	current version: (CMIP) Solution Set (SS)	5.4.0	WG (prime / other):	S5	/-	rporteur:	POLLAKOWSKI, Olaf	SIEMENS AG
	freeze_meeting: SP-17	G:	U: yes	MCC:			ZOICAS, Adrian	
	history (event, available, version, comments):							
	SP-18 2003-01-08 5 . 0 . 0		<a href="#">get it</a>	remarks - general:			was 32.622-4	
	SP-20 2003-06-26 5 . 1 . 0		<a href="#">get it</a>	remarks - this release:			.	
	SP-21 2003-10-02 5 . 2 . 0		<a href="#">get it</a>					
	SP-22 2004-01-13 5 . 3 . 0		<a href="#">get it</a>					
	SP-23 2004-03-24 5 . 4 . 0		<a href="#">get it</a>					
<hr/>								
<b>TS 32.645</b>	<b>Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file</b>							
Rel-5	current version: format definition	5.4.0	WG (prime / other):	S5	/-	rporteur:	BONNEAU, Frédéric	NORTEL NETWORKS (EUROPE)
	freeze_meeting: SP-16	G:	U: yes	MCC:			ZOICAS, Adrian	
	history (event, available, version, comments):							
	SP-16 2002-06-17 1 . 0 . 0		<a href="#">get it</a>	remarks - general:				SP-020298 pars
	SP-17 2002-09-16 2 . 0 . 0		<a href="#">get it</a>	remarks - this release:			.	SP-020462
	SP-17 2002-09-18 5 . 0 . 0		<a href="#">get it</a>					
	SP-20 2003-06-27 5 . 1 . 0		<a href="#">get it</a>					
	SP-21 2003-10-01 5 . 2 . 0		<a href="#">get it</a>					
	Adds XML file with 2003-10-17 5 . 2 . 1		<a href="#">get it</a>					
	reference from document							
	SP-22 2004-01-14 5 . 3 . 0		<a href="#">get it</a>					
	SP-23 2004-03-24 5 . 4 . 0		<a href="#">get it</a>					

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<b>TS 32.651</b>	<b>Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Requirements</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PIRT, Trevor	MOTOROLA Ltd	
	<i>freeze_meeting:</i> SP-17	G: yes U:	MCC:	ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>				
	SP-17 2002-09-27 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	was 32.623-1	
			<i>remarks - this release:</i>	.	
<hr/>					
<b>TS 32.652</b>	<b>Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)</b>				
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PETERSEN, Robert	Ericsson AB	
	<i>freeze_meeting:</i> SP-17	G: yes U:	MCC:	ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>				
	SP-17 2002-09-27 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	was 32.623-2	
edito post	SP-18 2003-01-09 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>	.	
	SP-20 2003-06-26 5 . 1 . 0	<a href="#">get it</a>			
	SP-21 2003-10-01 5 . 2 . 0	<a href="#">get it</a>			
	SP-22 2004-01-14 5 . 3 . 0	<a href="#">get it</a>			
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<b>TS 32.653</b>	<b>Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture</b>				
Rel-5	<i>current version:</i> (CORBA) Solution Set (SS)	5.2.0	<i>WG (prime / other):</i> S5	/ -	<i>rapporteur:</i> RAYMER, David
Motorola Inc.					
	<i>freeze_meeting:</i> SP-17	G: yes U:	MCC:	ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>				
	SP-17 2002-10-08 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	was 32.623-3	
edito post	SP-18 2003-01-09 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>	.	
	SP-20 2003-06-27 5 . 1 . 0	<a href="#">get it</a>			
	SP-21 2003-10-01 5 . 2 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 32.654</b>	<b>Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol</b>				
Rel-5	<i>current version:</i> (CMIP) Solution Set (SS)	5.3.0	<i>WG (prime / other):</i> S5	/ -	<i>rapporteur:</i> POLLAKOWSKI, Olaf
SIEMENS AG					
	<i>freeze_meeting:</i> SP-17	G: yes U:	MCC:	ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>				
	SP-18 2003-01-08 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	was 32.623-4	
	SP-20 2003-06-27 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	.	
	SP-21 2003-10-02 5 . 2 . 0	<a href="#">get it</a>			
	SP-22 2004-01-13 5 . 3 . 0	<a href="#">get it</a>			

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**TS 32.655 Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file**  
Rel-5 *current version: format definition* 5.4.0 *WG (prime / other):* S5 */ rapporteur:* BONNEAU, Frédéric  
NORTEL NETWORKS (EUROPE)

*freeze\_meeting:* SP-16 G: yes U: yes *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*  
SP-16 2002-06-17 1 . 0 . 0 SP-020298 pars [get it](#) *remarks - general:*  
SP-17 2002-09-16 2 . 0 . 0 SP-020463 [get it](#) *remarks - this release:*  
SP-17 2002-09-18 5 . 0 . 0 [get it](#)  
SP-20 2003-06-27 5 . 1 . 0 [get it](#)  
SP-21 2003-10-01 5 . 2 . 0 [get it](#)  
Adds XML file with 2003-10-17 5 . 2 . 1 [get it](#)  
reference from  
document  
SP-22 2004-01-14 5 . 3 . 0 [get it](#)  
SP-23 2004-03-24 5 . 4 . 0 [get it](#)

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**TS 32.661 Telecommunication management; Configuration Management (CM); Kernel CM; Requirements**  
Rel-5 *current version: 5.1.0* *WG (prime / other):* S5 / *rapporteur:* TOVINGER, Thomas Telefon AB LM Ericsson  
*freeze\_meeting:* SP-17 G: yes U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*  
draft 2002-01-31 0 . 1 . 0 [get it](#) *remarks - general:*  
SP-15 2002-03-19 1 . 0 . 0 SP-020034 pars [get it](#) *remarks - this release: .*  
SP-17 2002-09-16 2 . 0 . 0 SP-020464 [get it](#)  
SP-17 2002-09-18 5 . 0 . 0 [get it](#)  
SP-18 2003-01-07 5 . 1 . 0 [get it](#)

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**TS 32.662 Telecommunication management; Configuration Management (CM); Kernel CM; Information service (IS)**  
Rel-5 *current version: 5.2.0* *WG (prime / other):* S5 / *rapporteur:* TOVINGER, Thomas Telefon AB LM Ericsson  
*freeze\_meeting:* SP-18 G: yes U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*  
draft 2002-01-31 0 . 1 . 0 [get it](#) *remarks - general:*  
SP-15 2002-03-19 1 . 0 . 0 SP-020034 pars [get it](#) *remarks - this release: .*  
SP-17 2002-09-16 2 . 0 . 0 SP-020465 [get it](#)  
SP-17 2002-09-18 5 . 0 . 0 [get it](#)  
SP-22 2004-01-13 5 . 1 . 0 [get it](#)  
SP-23 2004-03-24 5 . 2 . 0 [get it](#)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs Rel-5 32 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/32\\_series](http://www.3gpp.org/ftp/Specs/archive/32_series)

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**TS 32.663 Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution**

Rel-5 *current version:* 5.1.0 *WG (prime / other):* S5 / *rapporteur:* PAL, Tapinder T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* SP-17 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-17 2002-09-16 1 . 0 . 0 SP-020466  
SP-17 2002-09-18 5 . 0 . 0  
SP-19 2003-04-03 5 . 1 . 0

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:* SP-15: will not exist in Rel-5. SP-17 Oh yes it will!

[get it](#)

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**TS 32.664 Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* S5 / *rapporteur:* POLLAKOWSKI, Olaf SIEMENS AG  
*freeze\_meeting:* SP-18 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-17 2002-09-16 1 . 0 . 0 SP-020467  
SP-18 2003-01-07 2 . 0 . 0 SP-020743  
SP-18 2003-01-07 5 . 0 . 0

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:* SP-15: will not exist in Rel-5. SP-17: Yes it will!

[get it](#)

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**TS 32.671 Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Requirements**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* S5 / - *rapporteur:* POLLAKOWSKI, Olaf SIEMENS AG  
*freeze\_meeting:* SP-15 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

draft 2002-01-17 0 . 1 . 2  
SP-16 2002-06-17 1 . 0 . 0 SP-020329 pars  
SP-17 2002-07-19 2 . 0 . 0 SP-020468  
SP-17 2002-09-18 5 . 0 . 0

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:* .

[get it](#)

[get it](#)

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**TS 32.672 Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Information Service (SI)**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* S5 / - *rapporteur:* POLLAKOWSKI, Olaf SIEMENS AG  
*freeze\_meeting:* SP-15 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

draft 2002-07-19 0 . 0 . 0  
draft 2002-01-17 0 . 1 . 1  
SP-16 2002-06-17 1 . 0 . 0 SP-020329 pars  
SP-17 2002-09-16 2 . 0 . 0 SP-020469  
SP-17 2002-09-18 5 . 0 . 0

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:* .

[get it](#)

[get it](#)

[get it](#)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 32.673</b>	<b>Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA)</b>							
Rel-5	<i>current version:</i> <b>Solution Set (SS)</b>	5.1.0	<i>WG (prime / other):</i>	S5	/-	<i>rapporteur:</i>	RAYMER, David	
	Motorola Inc.							
	<i>freeze_meeting:</i> SP-15		G: yes U: yes	<i>MCC:</i>			ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>							
	SP-17 2002-09-16 1 . 0 . 0	SP-020470		<a href="#">get it</a>		<i>remarks - general:</i>		
	SP-17 2002-09-18 5 . 0 . 0			<a href="#">get it</a>		<i>remarks - this release:</i>		
	SP-19 2003-04-01 5 . 1 . 0			<a href="#">get it</a>				

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<b>TS 32.674</b>	<b>Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP)</b>							
Rel-5	<i>current version:</i> <b>Solution Set (SS)</b>	5.1.0	<i>WG (prime / other):</i>	S5	/-	<i>rapporteur:</i>	POLLAKOWSKI, Olaf	
	SIEMENS AG							
	<i>freeze_meeting:</i> SP-15		G: yes U: yes	<i>MCC:</i>			ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>							
	draft 2002-01-17 0 . 1 . 0			<a href="#">get it</a>		<i>remarks - general:</i>		
	draft 2002-07-19 1 . 0 . 0			<a href="#">get it</a>		<i>remarks - this release:</i>		
	SP-17 2002-09-16 2 . 0 . 0	SP-020471		<a href="#">get it</a>				
	SP-17 2002-09-18 5 . 0 . 0			<a href="#">get it</a>				
	SP-21 2003-10-02 5 . 1 . 0			<a href="#">get it</a>				

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<b>TS 32.691</b>	<b>Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): Requirements</b>							
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i>	S5 /		<i>rapporteur:</i>	PAL, Tapinder	T-MOBILE DEUTSCHLAND
	<i>freeze_meeting:</i> SP-17		G: yes U: yes	<i>MCC:</i>			ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>							
	SP-17 2002-08-30 1 . 0 . 0	SP-020472		<a href="#">get it</a>		<i>remarks - general:</i>		
	SP-17 2002-09-18 5 . 0 . 0			<a href="#">get it</a>		<i>remarks - this release:</i>		

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<b>TS 32.692</b>	<b>Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): Network Resource Model (NRM)</b>							
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i>	S5 /		<i>rapporteur:</i>	PAL, Tapinder	T-MOBILE DEUTSCHLAND
	<i>freeze_meeting:</i> SP-17		G: yes U: yes	<i>MCC:</i>			ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>							
	SP-17 2002-08-30 1 . 0 . 0	SP-020473		<a href="#">get it</a>		<i>remarks - general:</i>		
	SP-17 2002-09-18 5 . 0 . 0			<a href="#">get it</a>		<i>remarks - this release:</i>		

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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**TR 32.800 Telecommunication management; Management level procedures and interaction with UTRAN**  
Rel-5 *current version:* 5.0.0 *WG (prime / other):* S5 / *rapporteur:* BODEN, Bert Vodafone D2 GmbH  
*freeze\_meeting:* SP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*  
SP-15 2002-03-26 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TR 32.802 Telecommunication management; User Equipment Management (UEM) feasibility study**  
Rel-5 *current version:* 5.1.0 *WG (prime / other):* S5 / *rapporteur:* TRUSS, Michael MOTOROLA Ltd  
*freeze\_meeting:* SP-16 *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*  
SP-13 2001-10-01 0 . 0 . 2 TP-010213 (!) [get it](#) *remarks - general:*  
SP-14 2002-01-02 1 . 0 . 0 SP-010652 (also TP-010283) [get it](#) *remarks - this release:* SP-21: No rapporteur, work stopped.  
draft 2002-01-28 1 . 0 . 1 [get it](#)  
draft 2002-01-31 1 . 0 . 2 [get it](#)  
SP-15 2002-03-19 1 . 0 . 4 SP-020011 [get it](#)  
SP-16 2002-06-17 2 . 0 . 0 SP-020331 [get it](#)  
SP-16 2002-06-20 5 . 0 . 0 [get it](#)  
SP-17 2002-09-18 5 . 1 . 0 [get it](#)

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Rel-5 **33** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/33\\_series](http://www.3gpp.org/ftp/Specs/archive/33_series)

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**TS 33.102 3G security; Security architecture**  
Rel-5 *current version:* 5.3.0 *WG (prime / other):* S3 / - *rapporteur:* BLOMMAERT, Marc Siemens nv/sa  
*freeze\_meeting:* SP-15 *G:* *U:* yes *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
SP-16 2002-06-19 5 . 0 . 0 [get it](#) *remarks - general:*  
SP-18 2002-12-18 5 . 1 . 0 [get it](#) *remarks - this release:* .  
SP-20 2003-06-18 5 . 2 . 0 [get it](#)  
SP-21 2003-09-30 5 . 3 . 0 [get it](#)

G = required in systems with GERAN access; U = required in systems with UMTS access.

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Server location: [http://www.3gpp.org/ftp/Specs/archive/33\\_series](http://www.3gpp.org/ftp/Specs/archive/33_series)

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<b>TS 33.106</b>	<b>Lawful interception requirements</b>					
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WILHELM, Berthold	BUNDESMINISTERIUM FUR WIRTSCHAFT		
	<i>freeze_meeting:</i> SP-15	G: U: yes	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-04 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-17 2002-09-18 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>						
<b>TS 33.107</b>	<b>3G security; Lawful interception architecture and functions</b>					
Rel-5	<i>current version:</i> 5.6.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WILHELM, Berthold	BUNDESMINISTERIUM FUR WIRTSCHAFT		
	<i>freeze_meeting:</i> SP-15	G: U: yes	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version, comments):</i>					
	SP-12 2001-07-04 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-14 2002-01-07 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	SP-15 2002-03-26 5 . 2 . 0	<a href="#">get it</a>				
edito post	SP-15 2002-04-15 5 . 2 . 1	<a href="#">get it</a>			Corrects change history.	
	SP-16 2002-06-19 5 . 3 . 0	<a href="#">get it</a>				
	SP-17 2002-09-18 5 . 4 . 0	<a href="#">get it</a>				
	SP-18 2002-12-18 5 . 5 . 0	<a href="#">get it</a>				
	SP-21 2003-09-30 5 . 6 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 33.108</b>	<b>3G security; Handover interface for Lawful Interception (LI)</b>					
Rel-5	<i>current version:</i> 5.7.0	<i>WG (prime / other):</i> S3 /	<i>rapporteur:</i> WILHELM, Berthold	BUNDESMINISTERIUM FUR WIRTSCHAFT		
	<i>freeze_meeting:</i> SP-16	G: U: yes	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version, comments):</i>					
	SP-15 2002-03-19 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> 2001-12-04 Title changed from "Lawful Interception; Interface between core network			
	SP-16 2 . 0 . 0		<i>remarks - this release:</i> . and law agency equipment" (Berthold.Wilhelm@RegTP.de).			
	SP-16 2002-06-19 5 . 0 . 0	<a href="#">get it</a>				
	SP-17 2002-09-23 5 . 1 . 0	<a href="#">get it</a>				
	SP-18 2002-12-18 5 . 2 . 0	<a href="#">get it</a>				
	SP-19 2003-03-24 5 . 3 . 0	<a href="#">get it</a>				
	SP-20 2003-06-18 5 . 4 . 0	<a href="#">get it</a>				
	SP-21 2003-09-30 5 . 5 . 0	<a href="#">get it</a>				
	SP-22 2004-01-08 5 . 6 . 0	<a href="#">get it</a>				
	SP-23 2004-03-22 5 . 7 . 0	<a href="#">get it</a>				

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<b>TS 33.200</b>	<b>3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security</b>								
Rel-5	<i>current version:</i> 5.1.0		<i>WG (prime / other):</i> S3 / -		<i>rapporteur:</i> ESCOTT, Adrian			Hutchison 3G UK Ltd (3)	
	<i>freeze_meeting:</i> SP-15		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> POPE, Maurice				
	<i>history (event, available, version, comments):</i>								
	SP-15	2002-03-26	5	.	0	.	0		<a href="#">get it</a> <i>remarks - general:</i> 2001-05-24: title grows MAP; see 33.210 for IP equivalent.
	SP-18	2002-12-18	5	.	1	.	0		<a href="#">get it</a> <i>remarks - this release:</i> .

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<b>TS 33.201</b>	<b>Access domain security</b>								
Rel-5	<i>current version:</i> none		<i>WG (prime / other):</i> S3 /		<i>rapporteur:</i> POPE, Maurice			ETSI Secretariat	
	<i>freeze_meeting:</i> SP-15		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> POPE, Maurice				
	<i>history (event, available, version, comments):</i>								
	<i>remarks - general:</i>								
	<i>remarks - this release:</i> .								

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<b>TS 33.203</b>	<b>3G security; Access security for IP-based services</b>								
Rel-5	<i>current version:</i> 5.8.0		<i>WG (prime / other):</i> S3 /		<i>rapporteur:</i> BOMAN, Krister			Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> SP-15		<i>G:</i> yes	<i>U:</i> yes	<i>MCC:</i> POPE, Maurice				
	<i>history (event, available, version, comments):</i>								
	SP-13	2001-10-03	0	.	4	.	0	anticipate v2.0.0 at SP-15	<a href="#">get it</a> <i>remarks - general:</i>
	SP-14	2002-01-02	1	.	0	.	0	SP-010624	<a href="#">get it</a> <i>remarks - this release:</i>
	SP-15	2002-03-19	2	.	0	.	0	SP-020116	<a href="#">get it</a>
	SP-15	2002-03-26	5	.	0	.	0	But CR at SP-15 to correct reference to SIP.	<a href="#">get it</a>
	SP-15	2002-03-26	5	.	1	.	0		<a href="#">get it</a>
	SP-16	2002-06-19	5	.	2	.	0		<a href="#">get it</a>
	SP-17	2002-09-18	5	.	3	.	0		<a href="#">get it</a>
	SP-18	2002-12-18	5	.	4	.	0		<a href="#">get it</a>
	SP-19	2003-03-24	5	.	5	.	0	There are two annexes J; this will be corrected after SP-20.	<a href="#">get it</a>
	SP-20	2003-06-18	5	.	6	.	0		<a href="#">get it</a>
	SP-21	2003-09-30	5	.	7	.	0		<a href="#">get it</a>
	SP-22	2004-01-08	5	.	8	.	0		<a href="#">get it</a>

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 33.210 3G security; Network Domain Security (NDS); IP network layer security

Rel-5 *current version:* 5.5.0 *WG (prime / other):* S3 / - *rapporteur:* KOIEN, Geir Telenor AS  
*freeze\_meeting:* SP-15 *G:* yes *U:* yes *MCC:* POPE, Maurice

*history (event, available, version, comments):*

SP-14	2002-01-02	1	.	0	.	0	SP-010623	<a href="#">get it</a>	<i>remarks - general:</i>	2001-05-24: 33.200 split into MAP (33.200) and IP (33.210).
SP-15	2002-03-19	2	.	0	.	0	SP-020117	<a href="#">get it</a>	<i>remarks - this release:</i>	
SP-15	2002-03-26	5	.	0	.	0		<a href="#">get it</a>		
SP-16	2002-06-19	5	.	1	.	0		<a href="#">get it</a>		
SP-18	2002-12-18	5	.	2	.	0		<a href="#">get it</a>		
SP-19	2003-03-24	5	.	3	.	0		<a href="#">get it</a>		
SP-20	2003-06-18	5	.	4	.	0		<a href="#">get it</a>		
SP-21	2003-09-30	5	.	5	.	0		<a href="#">get it</a>		

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## TR 33.900 Guide to 3G security

Rel-5 *current version:* 0.4.1 DRAFT *WG (prime / other):* S3 / - *rapporteur:* BROOKSON, Charles DTI - Department of Trade and Industry  
*freeze\_meeting:* SP-15 *G:* U: yes *MCC:* POPE, Maurice

*history (event, available, version, comments):*

draft		0	.	4	.	1	v number seems to have restarted. Not uploaded for fear of confusion.	<i>remarks - general:</i>		
								<i>remarks - this release:</i>	.	

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## TR 33.903 Access Security for IP based services

Rel-5 *current version:* none *WG (prime / other):* S3 / - *rapporteur:* VACANT,  
*freeze\_meeting:* SP-15 *G:* U: yes *MCC:* POPE, Maurice

*history (event, available, version, comments):*

*remarks - general:*  
*remarks - this release:* .

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Rel-5 34 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/34\\_series](http://www.3gpp.org/ftp/Specs/archive/34_series)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 34.108</b>	<b>Common test environments for User Equipment (UE) conformance testing</b>						
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	T1 / -	<i>rapporteur:</i>	CHALABI, Nouhman	ANRITSU LTD	
	<i>freeze_meeting:</i>	G:	U: yes	<i>MCC:</i>	SULTAN, Alain		
	<i>history (event, available, version, comments):</i>						
	TP-23 2004-04-01 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
					<i>remarks - this release:</i>		
<hr/>							
<b>TS 34.109</b>	<b>Terminal logical test interface; Special conformance testing functions</b>						
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i>	R2 / T1	<i>rapporteur:</i>	BERGGREN, Anders	Ericsson Incorporated	
	<i>freeze_meeting:</i> RP-15	G:	U: yes	<i>MCC:</i>	ARZELIER, Claude		
	<i>history (event, available, version, comments):</i>						
	RP-15 2002-03-19 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	TSG#7: Will be transferred to RAN2 after approval. TSG#8:txfer is delayed. TSG#9:	
	RP-16 2002-06-17 5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	. Stable, so txfered from T1 to R2.	
	RP-18 2003-01-13 5 . 2 . 0			<a href="#">get it</a>			
	RP-19 2003-03-25 5 . 3 . 0			<a href="#">get it</a>			
<hr/>							
<b>TS 34.121</b>	<b>Terminal Conformance Specification, Radio Transmission and Reception (FDD)</b>						
Rel-5	<i>current version:</i> 5.3.1	<i>WG (prime / other):</i>	T1 / -	<i>rapporteur:</i>	HIGUCHI, Kenji	ADVANTEST Corporation	
	<i>freeze_meeting:</i> TP-20	G:	U: yes	<i>MCC:</i>	SULTAN, Alain		
	<i>history (event, available, version, comments):</i>						
	TP-20 2003-06-17 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	TP-21 2003-10-10 5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>		
	CR266 pars 2003-10-13 5 . 1 . 1			<a href="#">get it</a>			
	TP-22 2004-01-20 5 . 2 . 0			<a href="#">get it</a>			
	TP-23 2004-04-01 5 . 3 . 0			<a href="#">get it</a>			
	TP-23 2004-04-05 5 . 3 . 1			<a href="#">get it</a>		Corrects implementation of CR333	
<hr/>							
<b>TS 34.122</b>	<b>Terminal conformance specification, Radio transmission and reception (TDD)</b>						
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	T1 / -	<i>rapporteur:</i>	MAUCKSCH, Thomas	ROHDE & SCHWARZ GmbH & Co.KG	
	<i>freeze_meeting:</i>	G:	U: yes	<i>MCC:</i>	SULTAN, Alain		
	<i>history (event, available, version, comments):</i>						
	TP-22 2004-01-22 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
					<i>remarks - this release:</i>		

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

# 3GPP specification status

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ACTIVE specs Rel-5 34 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/34\\_series](http://www.3gpp.org/ftp/Specs/archive/34_series)

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## TS 34.123-1 User Equipment (UE) conformance specification; Part 1: Protocol conformance specification

Rel-5 *current version:* 5.7.1 *WG (prime / other):* T1 / - *rporteur:* SULTAN, Alain SOURCE COM  
*freeze\_meeting:* TP-16 *G:* U: yes *MCC:* SULTAN, Alain

*history (event, available, version, comments):*

TP-16	2002-06-19	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
corrects page headers	2002-06-24	5	.	0	.	1	<a href="#">get it</a> <i>remarks - this release:</i> .
TP-17	2002-09-10	5	.	1	.	0	<a href="#">get it</a>
edito post TP-17	2002-09-20	5	.	1	.	1	There were two annexes C ! <a href="#">get it</a>
TP-18	2002-12-18	5	.	2	.	0	<a href="#">get it</a>
TP-19	2003-03-24	5	.	3	.	0	<a href="#">get it</a>
TP-20	2003-06-17	5	.	4	.	0	<a href="#">get it</a>
TP-21	2003-10-13	5	.	5	.	0	<a href="#">get it</a>
TP-22	2004-01-22	5	.	6	.	0	<a href="#">get it</a>
TP-23	2004-04-01	5	.	7	.	0	CR668 not implementable (written to old version of spec). <a href="#">get it</a>
TP-23	2004-04-13	5	.	7	.	1	Spirit of CR668 implemented, after consultation with T. <a href="#">get it</a>

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## TS 34.123-2 User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification

Rel-5 *current version:* 5.7.0 *WG (prime / other):* T1 / - *rporteur:* HU, Shicheng ETSI Secretariat  
*freeze\_meeting:* TP-16 *G:* U: yes *MCC:* SULTAN, Alain

*history (event, available, version, comments):*

TP-16	2002-06-19	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
TP-17	2002-09-10	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
TP-18	2002-12-18	5	.	2	.	0	<a href="#">get it</a>
TP-19	2003-03-24	5	.	3	.	0	<a href="#">get it</a>
TP-20	2003-06-17	5	.	4	.	0	<a href="#">get it</a>
TP-21	2003-10-10	5	.	5	.	0	<a href="#">get it</a>
TP-22	2004-01-16	5	.	6	.	0	<a href="#">get it</a>
TP-23	2004-04-01	5	.	7	.	0	<a href="#">get it</a>

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs Rel-5 34 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/34\\_series](http://www.3gpp.org/ftp/Specs/archive/34_series)

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## TS 34.124 Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment

Rel-5 *current version:* 5.4.0 *WG (prime / other):* R4 / - *rapporteur:* SOERENSEN, Ole NOKIA Corporation  
*freeze\_meeting:* RP-15 *G:* U: yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version, comments):*

RP-15	2002-04-03	5	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i> T1->R4@TSG#10
RP-17	2002-10-02	5	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> .
RP-18	2003-01-10	5	.	2	.	0		<a href="#">get it</a>	
RP-19	2003-04-04	5	.	3	.	0		<a href="#">get it</a>	
RP-23	2004-04-01	5	.	4	.	0		<a href="#">get it</a>	

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## TR 34.902 Derivation of test tolerances for multi-cell Radio Resource Model (RRM) conformance tests

Rel-5 *current version:* 1.2.0 *DRAFT* *WG (prime / other):* T1 / *rapporteur:* ROSE, Ian Racal Instruments Wireless Solutions Limited  
*freeze\_meeting:* TP-22 *G:* yes *U:* yes *MCC:* SULTAN, Alain

*history (event, available, version, comments):*

TP-22	2004-01-05	1	.	0	.	0	TP-030289 for information	<a href="#">get it</a>	<i>remarks - general:</i> TP-21: Title changed from "Measurement uncertainty". Completion date: end 2004.
T1-23		1	.	1	.	0			<i>remarks - this release:</i> TP-21: assume Rel-7 in view of projected end date. TP-22: Document ready for approval as Rel-5 (!!)
TP-24	2004-05-26	1	.	2	.	0		<a href="#">get it</a>	

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## TR 34.926 Electromagnetic compatibility (EMC); Table of international requirements for mobile terminals and ancillary equipment

Rel-5 *current version:* 5.1.0 *WG (prime / other):* R4 / - *rapporteur:* FENN, John B Research In Motion Limited  
*freeze\_meeting:* RP-15 *G:* U: yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version, comments):*

RP-15	2002-04-02	5	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i> Plan approved TSG#7 TP-000036). T1->R4@TSG#10
RP-23	2004-04-01	5	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> .

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Rel-5 35 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/35\\_series](http://www.3gpp.org/ftp/Specs/archive/35_series)

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## TS 35.201 Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications

Rel-5 *current version:* 5.0.0 *WG (prime / other):* S3 / - *rapporteur:* WALKER, Michael VODAFONE Group Plc  
*freeze\_meeting:* SP-15 *G:* U: yes *MCC:* POPE, Maurice

*history (event, available, version, comments):*

SP-16	2002-06-24	5	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i> ex SAGE; supplied by ETSI under licence
									<i>remarks - this release:</i> .

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Server location: [http://www.3gpp.org/ftp/Specs/archive/35\\_series](http://www.3gpp.org/ftp/Specs/archive/35_series)

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<b>TS 35.202</b>	<b>Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WALKER, Michael	VODAFONE Group Plc					
	<i>freeze_meeting:</i> SP-15	G: U: yes	<i>MCC:</i> POPE, Maurice						
	<i>history (event, available, version, comments):</i>								
	SP-16 2002-06-24 5 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i> ex SAGE; supplied by ETSI under licence		
							<i>remarks - this release:</i> .		
<hr/>									
<b>TS 35.203</b>	<b>Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WALKER, Michael	VODAFONE Group Plc					
	<i>freeze_meeting:</i> SP-15	G: U: yes	<i>MCC:</i> POPE, Maurice						
	<i>history (event, available, version, comments):</i>								
	SP-16 2002-06-24 5 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i> ex SAGE; supplied by ETSI under licence		
							<i>remarks - this release:</i> .		
<hr/>									
<b>TS 35.204</b>	<b>Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WALKER, Michael	VODAFONE Group Plc					
	<i>freeze_meeting:</i> SP-15	G: U: yes	<i>MCC:</i> POPE, Maurice						
	<i>history (event, available, version, comments):</i>								
	SP-16 2002-06-24 5 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i> ex SAGE; supplied by ETSI under licence		
							<i>remarks - this release:</i> .		
<hr/>									
<b>TS 35.205</b>	<b>3G Security; Specification of the MILENAGE Algorithm Set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General</b>	5.0.0	<i>WG (prime / other):</i> S3	/-	<i>rapporteur:</i> WALKER, Michael				
Rel-5	<i>current version:</i> 1: General								
VODAFONE Group Plc									
	<i>freeze_meeting:</i> SP-15	G: U: yes	<i>MCC:</i> POPE, Maurice						
	<i>history (event, available, version, comments):</i>								
	SP-16 2002-06-24 5 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i> ex SAGE. 2002-06: clarified that deliverable is TS not TR.		
							<i>remarks - this release:</i> .		
<hr/>									
<b>TS 35.206</b>	<b>3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification</b>	5.1.0	<i>WG (prime / other):</i> S3	/-	<i>rapporteur:</i> WALKER, Michael				
Rel-5	<i>current version:</i> 2: Algorithm specification								
VODAFONE Group Plc									
	<i>freeze_meeting:</i> SP-15	G: U: yes	<i>MCC:</i> POPE, Maurice						
	<i>history (event, available, version, comments):</i>								
	SP-16 2002-06-24 5 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i> ex SAGE		
	SP-20 2003-06-18 5 . 1 . 0					<a href="#">get it</a>	<i>remarks - this release:</i> .		

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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Server location: [http://www.3gpp.org/ftp/Specs/archive/35\\_series](http://www.3gpp.org/ftp/Specs/archive/35_series)

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**TS 35.207 3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1\*, f2, f3, f4, f5 and f5\*; Document**  
Rel-5 *current version: 3: Implementors' test data* 5.0.0 *WG (prime / other):* S3 /- *rapporteur:* WALKER, Michael  
VODAFONE Group Plc

*freeze\_meeting:* SP-15  
*history (event, available, version, comments):*  
SP-16 2002-06-24 5 . 0 . 0

G: U: yes *MCC:* POPE, Maurice  
[get it](#) *remarks - general:* ex SAGE  
*remarks - this release:* .

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**TS 35.208 3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1\*, f2, f3, f4, f5 and f5\*; Document**  
Rel-5 *current version: 4: Design conformance test data* 5.0.0 *WG (prime / other):* S3 /- *rapporteur:* WALKER, Michael  
VODAFONE Group Plc

*freeze\_meeting:* SP-15  
*history (event, available, version, comments):*  
SP-16 2002-06-24 5 . 0 . 0

G: U: yes *MCC:* POPE, Maurice  
[get it](#) *remarks - general:* ex SAGE  
*remarks - this release:* .

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**TR 35.909 3G Security; Specification of the MILENAGE algorithm set: an example algorithm set for the 3GPP authentication and key generation functions f1, f1\*, f2, f3, f4, f5 and f5\*; Document**  
Rel-5 *current version: 5: Summary and results of design and evaluation* 5.0.0 *WG (prime / other):* S3 /- *rapporteur:* WALKER, Michael  
VODAFONE Group Plc

*freeze\_meeting:* SP-15  
*history (event, available, version, comments):*  
SP-16 2002-06-24 5 . 0 . 0

G: U: yes *MCC:* POPE, Maurice  
[get it](#) *remarks - general:* ex SAGE  
*remarks - this release:* .

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**TR 41.031 Fraud Information Gathering System (FIGS); Service requirements; Stage 0**  
Rel-5 *current version: 5.0.0* *WG (prime / other):* S3 /- *rapporteur:* WRIGHT, Tim Indicate persons who left Company and wait for new One  
*freeze\_meeting:* SP-15

G: yes U: *MCC:* POPE, Maurice

*history (event, available, version, comments):*  
SP-16 2002-06-24 5 . 0 . 0

[get it](#) *remarks - general:*  
*remarks - this release:* .

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Server location: [http://www.3gpp.org/ftp/Specs/archive/41\\_series](http://www.3gpp.org/ftp/Specs/archive/41_series)

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**TR 41.033 Lawful Interception requirements for GSM**  
Rel-5 *current version:* 5.0.0 *WG (prime / other):* S3 / - *rapporteur:* MCKIBBEN, Bernie MOTOROLA GmbH  
*freeze\_meeting:* SP-15 *G: yes U:* *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
SP-16 2002-06-24 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 41.101 Technical Specifications and Technical Reports for a GERAN-based 3GPP system**  
Rel-5 *current version:* 5.6.0 *WG (prime / other):* SP / *rapporteur:* MEREDITH, John M ETSI Secretariat  
*freeze\_meeting:* SP-20 *G: yes U:* *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
SP-20 2003-06-25 5 . 4 . 0 Created from 41.103 v5.4.0 [get it](#) *remarks - general:*  
SP-22 2004-01-15 5 . 5 . 0 [get it](#) *remarks - this release:* .  
Edito post SP-22 2004-01-22 5 . 5 . 1 [get it](#)  
Edito post SP-22 2004-01-23 5 . 5 . 2 [get it](#)  
SP-23 2004-04-02 5 . 6 . 0 [get it](#)

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Rel-5 **42** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/42\\_series](http://www.3gpp.org/ftp/Specs/archive/42_series)

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**TS 42.019 Subscriber Identity Module Application Programming Interface (SIM API); Stage 1**  
Rel-5 *current version:* 5.0.0 *WG (prime / other):* T3 / - *rapporteur:* DIETRICH, Christian Axalto S.A.  
*freeze\_meeting:* TP-15 *G: yes U:* *MCC:* JURISIC, Andrijana  
*history (event, available, version, comments):*  
TP-12 2001-07-06 5 . 0 . 0 [get it](#) *remarks - general:* TP-17: From Rel-6, transferred to ETSI TS 102 240.  
*remarks - this release:* .

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**TS 42.033 Lawful Interception; Stage 1**  
Rel-5 *current version:* 5.0.0 *WG (prime / other):* S3 / *rapporteur:* MCKIBBEN, Bernie MOTOROLA GmbH  
*freeze\_meeting:* SP-15 *G: yes U:* *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
SP-16 2002-06-24 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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Server location: [http://www.3gpp.org/ftp/Specs/archive/42\\_series](http://www.3gpp.org/ftp/Specs/archive/42_series)

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<b>TS 42.043</b>	<b>Support of Localised Service Area (SoLSA); Service description; Stage 1</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> KOKKOLA, Tommi	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-16	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-07-19 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Was 22.043 at Rel99.			
			<i>remarks - this release:</i> .			
<hr/>						
<b>TS 42.056</b>	<b>GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> POIRAUD, Patrick	ALCATEL S.A.		
	<i>freeze_meeting:</i> SP-16	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-07-19 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			
<hr/>						
<b>TS 42.068</b>	<b>Voice Group Call Service (VGCS); Stage 1</b>					
Rel-5	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> SP-16	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-07-19 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	correct title line 2002-10-22 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .			
<hr/>						
<b>TS 42.069</b>	<b>Voice Broadcast Service (VBS); Stage 1</b>					
Rel-5	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> SP-16	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-07-19 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	post SP-16 edito to 2002-07-29 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	history box					

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<b>TR 43.005</b>	<b>Technical performance objectives</b>						
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> NP / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat			
	<i>freeze_meeting:</i> NP-15	G: yes U:	<i>MCC:</i> BOSWARTHICK, David				
	<i>history (event, available, version, comments):</i>						
	NP-16 2002-07-04 5 . 0 . 0	Note that the doc is really a TR not a TS <a href="#">get it</a>	<i>remarks - general:</i>				
		(cover sheet is wrong)	<i>remarks - this release:</i> NP-21: Decision not to progress this to Rel-6.				
<hr/>							
<b>TS 43.010</b>	<b>GSM Public Land Mobile Network (PLMN) connection types</b>						
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat			
	<i>freeze_meeting:</i> NP-15	G: yes U:	<i>MCC:</i> BOSWARTHICK, David				
	<i>history (event, available, version, comments):</i>						
	NP-15 2002-03-20 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
	NP-17 2002-09-17 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .				
	NP-18 2003-01-06 5 . 2 . 0	<a href="#">get it</a>					
<hr/>							
<b>TS 43.013</b>	<b>Discontinuous Reception (DRX) in the GSM system</b>						
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.			
	<i>freeze_meeting:</i> GP-10	G: yes U:	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version, comments):</i>						
	GP-10 2002-07-19 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
			<i>remarks - this release:</i> .				
<hr/>							
<b>TS 43.019</b>	<b>Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2</b>						
Rel-5	<i>current version:</i> 5.6.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> DIETRICH, Christian	Axalto S.A.			
	<i>freeze_meeting:</i> TP-15	G: yes U:	<i>MCC:</i> JURISIC, Andrijana				
	<i>history (event, available, version, comments):</i>						
	TP-12 2001-11-12 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> For test spec, see 51.013.				
	fix annexed library 2001-11-21 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .				
	file						
	TP-14 2002-01-17 5 . 1 . 0	<a href="#">get it</a>					
	TP-15 2002-04-02 5 . 2 . 0	<a href="#">get it</a>					
	TP-16 2002-06-25 5 . 3 . 0	<a href="#">get it</a>					
	TP-17 2002-09-27 5 . 4 . 0	<a href="#">get it</a>					
	TP-18 2003-01-08 5 . 5 . 0	<a href="#">get it</a>					
	TP-19 2003-03-26 5 . 6 . 0	<a href="#">get it</a>					

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<b>TS 43.020</b>	<b>Security-related network functions</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S3 / NP /	<i>rapporteur:</i>	GILBERT, Henri	France Telecom
	<i>freeze_meeting:</i> SP-16		GP			
		<i>G:</i> yes	<i>U:</i>	<i>MCC:</i>	POPE, Maurice	
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-07-19 5 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>		
				<i>remarks - this release:</i>		
<hr/>						
<b>TS 43.022</b>	<b>Functions related to Mobile Station (MS) in idle mode and group receive mode</b>					
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i>	G1 / N1	<i>rapporteur:</i>	HOWELL, Andrew	MOTOROLA Ltd
	<i>freeze_meeting:</i> GP-10	<i>G:</i> yes	<i>U:</i>	<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	GP-10 2002-07-19 5 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	Moved from SMG3 Jan 2000.	
	GP-11 2002-09-19 5 . 1 . 0	<a href="#">get it</a>		<i>remarks - this release:</i>		
<hr/>						
<b>TR 43.026</b>	<b>Multiband operation of GSM / DCS 1800 by a single operator</b>					
Rel-5	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i>	G1 / NP	<i>rapporteur:</i>	ANDERSEN, Niels Peter	MOTOROLA A/S
	<i>freeze_meeting:</i> GP-10				Skov	
	<i>history (event, available, version, comments):</i>	<i>G:</i> yes	<i>U:</i>	<i>MCC:</i>	USAI, Paolino	
	GP-10 2002-07-19 5 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>		
	re-issue as TR (not 2002-07-31 5 . 0 . 1	<a href="#">get it</a>		<i>remarks - this release:</i>		
	TS) as per 03.26					
<hr/>						
<b>TR 43.030</b>	<b>Radio network planning aspects</b>					
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i>	G1 / -	<i>rapporteur:</i>	TEGTH, Ulf	TeliaSonera AB
	<i>freeze_meeting:</i> GP-10	<i>G:</i> yes	<i>U:</i>	<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	GP-10 2002-07-19 5 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>		
	reissue as TR 5 . 0 . 1			<i>remarks - this release:</i>		
	instead of TS					
	GP-11 2002-09-19 5 . 1 . 0	<a href="#">get it</a>				

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<b>TS 43.033</b>	<b>Lawful Interception; Stage 2</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> MCKIBBEN, Bernie	MOTOROLA GmbH		
	<i>freeze_meeting:</i> SP-15	G: yes U:	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-06-24 5 . 0 . 0					<a href="#">get it</a> <i>remarks - general:</i>
						<i>remarks - this release:</i> .
<hr/>						
<b>TS 43.045</b>	<b>Technical Realization of Facsimile Group 3 Service - transparent</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat		
	<i>freeze_meeting:</i> NP-15	G: yes U:	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version, comments):</i>					
	NP-15 2002-03-20 5 . 0 . 0					<a href="#">get it</a> <i>remarks - general:</i>
						<i>remarks - this release:</i> .
<hr/>						
<b>TS 43.050</b>	<b>Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> SP-15	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 5 . 0 . 0					<a href="#">get it</a> <i>remarks - general:</i>
						<i>remarks - this release:</i>
<hr/>						
<b>TS 43.051</b>	<b>GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2</b>					
Rel-5	<i>current version:</i> 5.10.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> SÉBIRE, Guillaume	NOKIA Corporation		
	<i>freeze_meeting:</i> GP-09	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	GP-03 2001-02-15 5 . 0 . 0					<a href="#">get it</a> <i>remarks - general:</i> Originally created as 03.51r00
	GP-04 2001-04-20 5 . 1 . 0					<a href="#">get it</a> <i>remarks - this release:</i>
	GP-05 2001-06-28 5 . 2 . 0					<a href="#">get it</a>
	GP-06 2001-10-01 5 . 3 . 0					<a href="#">get it</a>
	GP-07 2002-01-04 5 . 4 . 0					<a href="#">get it</a>
	GP-08 2002-02-19 5 . 5 . 0					<a href="#">get it</a>
	GP-09 2002-05-06 5 . 6 . 0					<a href="#">get it</a>
	GP-11 2002-09-19 5 . 7 . 0					<a href="#">get it</a>
	GP-12 2003-01-03 5 . 8 . 0					<a href="#">get it</a>
	GP-14 2003-04-25 5 . 9 . 0					<a href="#">get it</a>
	GP-16 2003-09-12 5 . 10 . 0					<a href="#">get it</a>

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<b>TS 43.052</b>	<b>Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> GIRAUD, Alexis	ALCATEL S.A.		
	<i>freeze_meeting:</i> GP-10	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	GP-10 2002-07-19 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			
<hr/>						
<b>TS 43.055</b>	<b>Dual Transfer Mode (DTM); Stage 2</b>					
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> G1 / G2	<i>rapporteur:</i> CARRIZO MARTINEZ, Jose Luis	VODAFONE Group Plc		
	<i>freeze_meeting:</i> GP-10	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	GP-10 2002-07-19 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	GP-14 2003-04-25 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	GP-16 2003-09-12 5 . 2 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 43.058</b>	<b>Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> MONFORT, Jean-Yves	France Telecom		
	<i>freeze_meeting:</i> SP-16	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-06-28 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			
<hr/>						
<b>TS 43.059</b>	<b>Functional stage 2 description of Location Services (LCS) in GERAN</b>					
Rel-5	<i>current version:</i> 5.4.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> LIVINGSTON, Margaret	NOKIA Corporation		
	<i>freeze_meeting:</i> GP-09	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	GP-06 2001-10-01 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	GP-07 2002-01-04 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	GP-08 2002-02-19 5 . 2 . 0	<a href="#">get it</a>				
	GP-09 2002-05-06 5 . 3 . 0	<a href="#">get it</a>				
	remove hidden text 2003-04-25 5 . 3 . 1	<a href="#">get it</a>				
	GP-19 2004-05-06 5 . 4 . 0	<a href="#">get it</a>				

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## TS 43.064 Overall description of the GPRS radio interface; Stage 2

Rel-5 *current version:* 5.3.0 *WG (prime / other):* G1 / - *rapporteur:* LEPPISAARI, Arto NOKIA Corporation  
*freeze\_meeting:* GP-09 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
GP-09 2002-05-06 5 . 0 . 0 [get it](#) *remarks - general:*  
GP-14 2003-04-25 5 . 1 . 0 [get it](#) *remarks - this release:* .  
make figs 20 and 2003-05-02 5 . 1 . 1 [get it](#)  
25 legible  
GP-16 2003-09-12 5 . 2 . 0 [get it](#)  
GP-19 2004-05-06 5 . 3 . 0 [get it](#)

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## TS 43.068 Voice Group Call Service (VGCS); Stage 2

Rel-5 *current version:* 5.3.0 *WG (prime / other):* N1 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*freeze\_meeting:* NP-15 *G: yes U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
NP-16 2002-06-19 5 . 0 . 0 [get it](#) *remarks - general:*  
post NP-16 edito 2002-06-28 5 . 0 . 1 [get it](#) *remarks - this release:* .  
NP-17 2002-09-17 5 . 1 . 0 [get it](#)  
NP-18 2002-12-18 5 . 2 . 0 [get it](#)  
NP-21 2003-10-08 5 . 3 . 0 [get it](#)

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## TS 43.069 Voice Broadcast service (VBS); Stage 2

Rel-5 *current version:* 5.3.0 *WG (prime / other):* N1 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*freeze\_meeting:* NP-15 *G: yes U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
NP-16 2002-06-19 5 . 0 . 0 [get it](#) *remarks - general:*  
post NP-16 edito 2002-06-28 5 . 0 . 1 [get it](#) *remarks - this release:* .  
NP-17 2002-09-17 5 . 1 . 0 [get it](#)  
NP-18 2002-12-18 5 . 2 . 0 [get it](#)  
NP-21 2003-10-08 5 . 3 . 0 [get it](#)

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## TS 43.073 Support of Localised Service Area (SoLSA); Stage 2

Rel-5 *current version:* 5.0.0 *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*freeze\_meeting:* SP-16 *G: yes U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
SP-16 2002-06-24 5 . 0 . 0 technically identical to v4.0.0 [get it](#) *remarks - general:* SP-16: derived from 23.073 on reversion to GERAN-only service.  
*remarks - this release:* .

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**TS 43.130 Iur-g interface; Stage 2**  
Rel-5 *current version:* 5.0.0 *WG (prime / other):* G1 / - *rapporteur:* CARRIZO MARTINEZ, VODAFONE Group Plc  
*freeze\_meeting:* GP-11 *G: yes U:* *MCC:* Jose Luis  
USAI, Paolino  
*history (event, available, version, comments):*  
GP-11 2002-09-16 5 . 0 . 0 Technically identical to TR.43,930 v5.1.0 [get it](#) *remarks - general:* Created identical to last version of 43.930. Also moved from G2 to G1.  
*remarks - this release:* .

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Rel-5 **44 .- series** Server location: [http://www.3gpp.org/ftp/Specs/archive/44\\_series](http://www.3gpp.org/ftp/Specs/archive/44_series)

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**TS 44.001 Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles**  
Rel-5 *current version:* 5.0.0 *WG (prime / other):* N1 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* NP-15 *G: yes U:* *MCC:* Skov  
JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
NP-16 2002-06-20 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 44.003 Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities**  
Rel-5 *current version:* 5.0.1 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* GP-11 *G: yes U:* *MCC:* Skov  
THOMASEN, Gert  
*history (event, available, version, comments):*  
GP-11 2002-09-27 5 . 0 . 0 [get it](#) *remarks - general:*  
edito 2002-12-17 5 . 0 . 1 [get it](#) *remarks - this release:* .

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**TS 44.004 Layer 1 - General Requirements**  
Rel-5 *current version:* 5.3.0 *WG (prime / other):* G2 / - *rapporteur:* ISAACS, Ken SIEMENS AG  
*freeze\_meeting:* GP-09 *G: yes U:* *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
GP-06 2001-11-15 5 . 0 . 0 [get it](#) *remarks - general:*  
GP-07 2002-01-08 5 . 1 . 0 [get it](#) *remarks - this release:* .  
GP-09 2002-05-06 5 . 2 . 0 [get it](#)  
GP-17 2003-12-05 5 . 3 . 0 [get it](#)

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<b>TS 44.005</b>	<b>Data Link (DL) Layer General Aspects</b>				
Rel-5	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> GP-11		Skov		
		<i>G: yes U:</i>	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version, comments):</i>				
	GP-11 2002-09-27 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	edito 2002-12-17 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>		

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<b>TS 44.006</b>	<b>Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification</b>				
Rel-5	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> GP-11		Skov		
		<i>G: yes U:</i>	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version, comments):</i>				
	GP-11 2002-09-27 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	post GP-11 editorial 2003-12-05 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>		

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<b>TS 44.012</b>	<b>Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface</b>				
Rel-5	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> G2 / N2	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> GP-11		Skov		
		<i>G: yes U:</i>	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version, comments):</i>				
	GP-11 2002-09-27 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Rel-4 onwards. (Rel-99 was 24.012)	
	edito 2002-12-17 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>		

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<b>TS 44.013</b>	<b>Performance Requirements on Mobile Radio Interface</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> DAWES, Peter	VODAFONE LTD	
	<i>freeze_meeting:</i> NP-15	<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>				
	NP-16 2002-06-20 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i>		

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<b>TS 44.014</b>	<b>Individual equipment type requirements and interworking; Special conformance testing functions</b>				
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> HOWELL, Andrew	MOTOROLA Ltd	
	<i>freeze_meeting:</i> GP-11	<i>G: yes U:</i>	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version, comments):</i>				
	GP-11 2002-09-27 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	GP-13 2003-02-21 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	GP-15 2003-07-10 5 . 2 . 0	<a href="#">get it</a>			

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**TS 44.018 Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol**

Rel-5 *current version:* 5.15.0 *WG (prime / other):* G2 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* GP-09 *G: yes U:* *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*

GP-04	2001-05-04	5	.	0	.	0
GP-05	2001-06-18	5	.	1	.	0
GP-06	2001-09-10	5	.	2	.	0
GP-07	2002-01-08	5	.	3	.	0
GP-08	2002-02-19	5	.	4	.	0
GP-09	2002-05-02	5	.	5	.	0
GP-10	2002-07-19	5	.	6	.	0
GP-11	2002-09-16	5	.	7	.	0
GP-12	2002-12-17	5	.	8	.	0
GP-13	2003-02-21	5	.	9	.	0
GP-14	2003-04-28	5	.	10	.	0
GP-15	2003-07-10	5	.	11	.	0
GP-16	2003-09-12	5	.	12	.	0
GP-17	2003-12-05	5	.	13	.	0
GP-18	2004-02-23	5	.	14	.	0
GP-19	2004-05-06	5	.	15	.	0

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**TS 44.021 Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface**

Rel-5 *current version:* 5.2.0 *WG (prime / other):* N3 / - *rapporteur:* RÄSÄNEN, Juha NOKIA Corporation  
*freeze\_meeting:* NP-15 *G: yes U:* *MCC:* BOSWARTHICK, David

*history (event, available, version, comments):*

NP-14	2002-01-11	5	.	0	.	0
post NP-17 -	2002-10-02	5	.	0	.	1
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NP-17	2002-09-18	5	.	1	.	0
post NP-17 -	2002-10-02	5	.	1	.	1
replace illegible figures						
NP-18	2003-01-06	5	.	2	.	0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* .  
[get it](#)  
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<b>TS 44.031</b>	<b>Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)</b>				
Rel-5	<i>current version:</i> 5.8.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)	
	<i>freeze_meeting:</i> GP-09	G: yes U:	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version, comments):</i>				
	GP-06	2001-09-14	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
	GP-07	2002-01-08	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .
	GP-08	2002-02-19	5 . 2 . 0	<a href="#">get it</a>	
	GP-09	2002-05-02	5 . 3 . 0	<a href="#">get it</a>	
	GP-10	2002-07-19	5 . 4 . 0	<a href="#">get it</a>	
	GP-11	2002-09-16	5 . 5 . 0	<a href="#">get it</a>	
	GP-16	2003-09-12	5 . 6 . 0	<a href="#">get it</a>	
	GP-18	2004-02-23	5 . 7 . 0	<a href="#">get it</a>	
	GP-19	2004-05-06	5 . 8 . 0	<a href="#">get it</a>	
<hr/>					
<b>TS 44.035</b>	<b>Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods</b>				
Rel-5	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)	
	<i>freeze_meeting:</i> GP-11	G: yes U:	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version, comments):</i>				
	GP-11	2002-09-27	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
	edito	2002-12-17	5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .
<hr/>					
<b>TS 44.056</b>	<b>GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> HUPPERICH, Peter	ALCATEL S.A.	
	<i>freeze_meeting:</i> NP-15	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>				
	NP-16	2002-06-20	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
					<i>remarks - this release:</i> .
<hr/>					
<b>TS 44.057</b>	<b>GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> HUPPERICH, Peter	ALCATEL S.A.	
	<i>freeze_meeting:</i> NP-15	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>				
	NP-16	2002-06-20	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
					<i>remarks - this release:</i> .

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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ACTIVE specs Rel-5 44 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/44\\_series](http://www.3gpp.org/ftp/Specs/archive/44_series)

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<b>TS 44.060</b>	<b>General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol</b>
Rel-5	<i>current version:</i> 5.11.0
	<i>freeze_meeting:</i> GP-09
	<i>WG (prime / other):</i> G2 /
	<i>rapporteur:</i> HOWELL, Andrew
	<i>MOTOROLA Ltd</i>
	<i>G: yes U:</i>
	<i>MCC:</i> THOMASEN, Gert
<i>history (event, available, version, comments):</i>	
	GP-08 2002-02-19 5 . 0 . 0 <a href="#">get it</a> <i>remarks - general:</i> General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System
	GP-09 2002-05-03 5 . 1 . 0 <a href="#">get it</a> <i>remarks - this release:</i> . (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol
edito post	GP-09 2002-05-28 5 . 1 . 1 <a href="#">get it</a>
	GP-10 2002-07-19 5 . 2 . 0 <a href="#">get it</a>
	GP-11 2002-09-16 5 . 3 . 0 <a href="#">get it</a>
	GP-12 2002-12-17 5 . 4 . 0 <a href="#">get it</a>
	GP-13 2003-02-21 5 . 5 . 0 <a href="#">get it</a>
	GP-14 2003-04-29 5 . 6 . 0 <a href="#">get it</a>
	GP-15 2003-07-10 5 . 7 . 0 <a href="#">get it</a>
	GP-16 2003-09-13 5 . 8 . 0 <a href="#">get it</a>
	GP-17 2003-12-05 5 . 9 . 0 <a href="#">get it</a>
	GP-18 2004-02-23 5 . 10 . 0 <a href="#">get it</a>
	GP-19 2004-05-06 5 . 11 . 0 <a href="#">get it</a>

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<b>TS 44.064</b>	<b>Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification</b>
Rel-5	<i>current version:</i> 5.1.0
	<i>freeze_meeting:</i> NP-15
	<i>WG (prime / other):</i> N1 / -
	<i>rapporteur:</i> DOIG, Ian
	<i>MOTOROLA S.A.S</i>
	<i>G: yes U:</i>
	<i>MCC:</i> JORGENSEN, Per Johan
<i>history (event, available, version, comments):</i>	
	NP-14 2002-01-04 5 . 0 . 0 <a href="#">get it</a> <i>remarks - general:</i>
	NP-15 2002-03-19 5 . 1 . 0 <a href="#">get it</a> <i>remarks - this release:</i> .

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<b>TS 44.065</b>	<b>Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)</b>
Rel-5	<i>current version:</i> 5.1.0
	<i>freeze_meeting:</i> NP-15
	<i>WG (prime / other):</i> N1 / -
	<i>rapporteur:</i> DOIG, Ian
	<i>MOTOROLA S.A.S</i>
	<i>G: yes U:</i>
	<i>MCC:</i> JORGENSEN, Per Johan
<i>history (event, available, version, comments):</i>	
	NP-16 2002-06-19 5 . 0 . 0 <a href="#">get it</a> <i>remarks - general:</i> 24.065 existed, but scrapped since 04.65 is GSM only.
	NP-21 2003-10-10 5 . 1 . 0 <a href="#">get it</a> <i>remarks - this release:</i> .

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<b>TS 44.068</b>	<b>Group Call Control (GCC) Protocol</b>
Rel-5	<i>current version:</i> 5.0.1
	<i>freeze_meeting:</i> NP-15
	<i>WG (prime / other):</i> N1 / -
	<i>rapporteur:</i> GARAPATY, Sonia
	<i>Nortel Networks (USA)</i>
	<i>G: yes U:</i>
	<i>MCC:</i> JORGENSEN, Per Johan
<i>history (event, available, version, comments):</i>	
	NP-16 2002-06-19 5 . 0 . 0 <a href="#">get it</a> <i>remarks - general:</i>
post NP-16 edito	2002-06-26 5 . 0 . 1 <a href="#">get it</a> <i>remarks - this release:</i> . Correct faulty styles / clause numbering

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 44.069</b>	<b>Broadcast Call Control (BCC) protocol</b>							
Rel-5	current version: 5.0.0	WG (prime / other):	N1 / -	rapporteur:	GARAPATY, Sonia	Nortel Networks (USA)		
	freeze_meeting: NP-15	G: yes	U:	MCC:	JORGENSEN, Per Johan			
history (event, available, version, comments):								
	NP-16 2002-06-19						<a href="#">get it</a>	remarks - general: remarks - this release: .
<b>TS 44.071</b>	<b>Location Services (LCS); Mobile radio interface layer 3 LCS specification</b>							
Rel-5	current version: 5.0.1	WG (prime / other):	G2 / -	rapporteur:	ANDERSEN, Niels Peter	MOTOROLA A/S		
	freeze_meeting: GP-11	G: yes	U:	MCC:	Skov	THOMASEN, Gert		
history (event, available, version, comments):								
	GP-11 2002-09-27						<a href="#">get it</a>	remarks - general:
	edito 2002-12-17						<a href="#">get it</a>	remarks - this release: .
<b>TS 44.118</b>	<b>Mobile radio interface layer 3 specification, Radio Resource Control (RRC) protocol; lu mode</b>							
Rel-5	current version: 5.9.0	WG (prime / other):	G2 /	rapporteur:	VIRTEJ, Iuliana	NOKIA Corporation		
	freeze_meeting: GP-09	G: yes	U:	MCC:	THOMASEN, Gert			
history (event, available, version, comments):								
	GP-08 2002-03-20						<a href="#">get it</a>	remarks - general:
	draft 2002-03-26						<a href="#">get it</a>	remarks - this release: .
	GP-08 2002-03-27						<a href="#">get it</a>	
	draft 2002-05-07						<a href="#">get it</a>	
	GP-10 2002-07-19						<a href="#">get it</a>	
	GP-11 2002-09-19						<a href="#">get it</a>	
	GP-12 2002-12-17						<a href="#">get it</a>	
	GP-13 2003-02-21						<a href="#">get it</a>	
	GP-14 2003-04-28						<a href="#">get it</a>	
	GP-15 2003-07-10						<a href="#">get it</a>	
	GP-16 2003-09-13						<a href="#">get it</a>	
	GP-17 2003-12-05						<a href="#">get it</a>	
	GP-18 2004-02-23						<a href="#">get it</a>	
	GP-19 2004-05-06						<a href="#">get it</a>	

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Server location: [http://www.3gpp.org/ftp/Specs/archive/44\\_series](http://www.3gpp.org/ftp/Specs/archive/44_series)

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**TS 44.160 General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol for lu mode**  
Rel-5 *current version:* 5.8.0 *WG (prime / other):* G2 / *rporteur:* N, A Indicate persons who left Company and wait for new  
*freeze\_meeting:* GP-09 One

G: yes U: MCC: THOMASEN, Gert

*history (event, available, version, comments):*

GP-09	2002-04-22	0 . 2 . 0	GP-020803	<a href="#">get it</a>	<i>remarks - general:</i> Created GP-08; see GP-020483. 2002-07-18: G1->G2.
GP-10	2002-07-19	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .
GP-11	2002-09-19	5 . 1 . 0		<a href="#">get it</a>	
GP-12	2002-12-17	5 . 2 . 0		<a href="#">get it</a>	
GP-13	2003-02-21	5 . 3 . 0		<a href="#">get it</a>	
GP-14	2003-04-29	5 . 4 . 0		<a href="#">get it</a>	
GP-15	2003-07-10	5 . 5 . 0		<a href="#">get it</a>	
GP-16	2003-09-13	5 . 6 . 0		<a href="#">get it</a>	
missed CR066	2003-09-30	5 . 6 . 1		<a href="#">get it</a>	
GP-17	2003-12-05	5 . 7 . 0		<a href="#">get it</a>	
GP-19	2004-05-06	5 . 8 . 0		<a href="#">get it</a>	

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**TR 44.901 External network assisted cell change (NACC)**  
Rel-5 *current version:* 5.1.0 *WG (prime / other):* G2 / - *rporteur:* BACKLUND, Ingemar Telefon AB LM Ericsson  
*freeze\_meeting:* GP-09 G: yes U: MCC: THOMASEN, Gert

*history (event, available, version, comments):*

GP-06		0 . 4 . 0			<i>remarks - general:</i> 2003-07-03 (JMM): WI UID 23011?. See also 25.901.
GP-08	2002-04-04	0 . 7 . 0	GP-020220	<a href="#">get it</a>	<i>remarks - this release:</i> .
GP-08	2002-04-04	1 . 0 . 0	GP-020427	<a href="#">get it</a>	
GP-08	2002-03-19	2 . 0 . 0	GP-020491	<a href="#">get it</a>	
GP-08	2002-03-26	5 . 0 . 0		<a href="#">get it</a>	
GP-09	2002-05-06	5 . 1 . 0		<a href="#">get it</a>	

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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**TS 45.001 Physical layer on the radio path; General description**

Rel-5 *current version:* 5.7.0 *WG (prime / other):* G1 / - *rapporteur:* JOKINEN, Harri NOKIA MOBILE PHONES  
*freeze\_meeting:* GP-09 *G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version, comments):*

GP-03	2001-02-15	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
GP-06	2001-10-01	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
GP-07	2002-01-04	5	.	2	.	0	<a href="#">get it</a>
GP-09	2002-05-06	5	.	3	.	0	<a href="#">get it</a>
GP-10	2002-07-19	5	.	4	.	0	<a href="#">get it</a>
GP-12	2003-01-03	5	.	5	.	0	<a href="#">get it</a>
GP-14	2003-04-25	5	.	6	.	0	<a href="#">get it</a>
GP-17	2003-12-05	5	.	7	.	0	<a href="#">get it</a>

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**TS 45.002 Multiplexing and multiple access on the radio path**

Rel-5 *current version:* 5.12.0 *WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist NOKIA Corporation  
*freeze\_meeting:* GP-09 *G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version, comments):*

GP-03	2001-02-15	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
edito	2001-02-27	5	.	0	.	1	<a href="#">get it</a> <i>remarks - this release:</i>
GP-04	2001-04-20	5	.	1	.	0	<a href="#">get it</a>
GP-06	2001-10-01	5	.	2	.	0	<a href="#">get it</a>
GP-07	2002-01-04	5	.	3	.	0	<a href="#">get it</a>
GP-08	2002-02-19	5	.	4	.	0	<a href="#">get it</a>
GP-09	2002-05-06	5	.	5	.	0	<a href="#">get it</a>
GP-10	2002-07-19	5	.	6	.	0	<a href="#">get it</a>
GP-12	2003-01-03	5	.	7	.	0	<a href="#">get it</a>
GP-13	2003-02-21	5	.	8	.	0	<a href="#">get it</a>
GP-14	2003-04-25	5	.	9	.	0	<a href="#">get it</a>
GP-15	2003-07-11	5	.	10	.	0	<a href="#">get it</a>
GP-16	2003-09-12	5	.	11	.	0	<a href="#">get it</a>
GP-19	2004-05-06	5	.	12	.	0	<a href="#">get it</a>

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 45.003 Channel coding

Rel-5 *current version:* 5.9.0  
*freeze\_meeting:* GP-09

*WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist NOKIA Corporation  
*G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version, comments):*

GP-03	2001-02-06	5	.	0	.	0
GP-05	2001-06-28	5	.	1	.	0
GP-06	2001-10-01	5	.	2	.	0
GP-07	2002-01-04	5	.	3	.	0
GP-08	2002-02-19	5	.	4	.	0
GP-09	2002-05-06	5	.	5	.	0
GP-10	2002-07-19	5	.	6	.	0
GP-14	2003-04-25	5	.	7	.	0
GP-15	2003-07-11	5	.	8	.	0
GP-18	2004-02-20	5	.	9	.	0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 45.004 Modulation

Rel-5 *current version:* 5.1.1  
*freeze\_meeting:* GP-09

*WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist NOKIA Corporation  
*G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version, comments):*

GP-07	2002-01-04	5	.	0	.	0
GP-10	2002-07-19	5	.	1	.	0
Correction of wrong Release number in the front page	2003-09-26	5	.	1	.	1

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* .  
[get it](#)

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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## TS 45.005 Radio transmission and reception

Rel-5 *current version:* 5.9.0 *WG (prime / other):* G1 / - *rapporteur:* SAMUELSSON, Mats Telefon AB LM Ericsson  
*freeze\_meeting:* GP-09 *G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version, comments):*

GP-05	2001-06-28	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
GP-06	2001-10-01	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
GP-07	2002-01-04	5	.	2	.	0	<a href="#">get it</a>
GP-09	2002-05-06	5	.	3	.	0	<a href="#">get it</a>
GP-10	2002-07-19	5	.	4	.	0	<a href="#">get it</a>
GP-11	2002-09-19	5	.	5	.	0	<a href="#">get it</a>
GP-12	2003-01-03	5	.	6	.	0	<a href="#">get it</a>
GP-13	2003-02-21	5	.	7	.	0	<a href="#">get it</a>
GP-14	2003-04-25	5	.	8	.	0	<a href="#">get it</a>
GP-16	2003-09-12	5	.	9	.	0	<a href="#">get it</a>

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## TS 45.008 Radio subsystem link control

Rel-5 *current version:* 5.15.0 *WG (prime / other):* G1 / - *rapporteur:* EL-SAIGH, Amer VODAFONE Group Plc  
*freeze\_meeting:* GP-09 *G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version, comments):*

GP-03		5	.	0	.	0	<i>remarks - general:</i>
GP-04	2001-04-20	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
GP-05	2001-06-28	5	.	2	.	0	<a href="#">get it</a>
GP-06	2001-10-01	5	.	3	.	0	<a href="#">get it</a>
GP-07	2002-01-04	5	.	4	.	0	<a href="#">get it</a>
GP-08	2002-02-19	5	.	5	.	0	<a href="#">get it</a>
GP-09	2002-05-06	5	.	6	.	0	<a href="#">get it</a>
GP-10	2002-07-19	5	.	7	.	0	<a href="#">get it</a>
GP-11	2002-09-19	5	.	8	.	0	<a href="#">get it</a>
GP-13	2003-02-21	5	.	9	.	0	<a href="#">get it</a>
GP-14	2003-04-25	5	.	10	.	0	<a href="#">get it</a>
GP-15	2003-07-11	5	.	11	.	0	<a href="#">get it</a>
GP-16	2003-09-12	5	.	12	.	0	<a href="#">get it</a>
GP-17	2003-12-05	5	.	13	.	0	<a href="#">get it</a>
GP-18	2004-02-20	5	.	14	.	0	<a href="#">get it</a>
GP-19	2004-05-06	5	.	15	.	0	<a href="#">get it</a>

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G = required in systems with GERAN acces; U = required in systems with UMTS access.



<b>TS 45.009</b> Rel-5 <i>current version:</i> 5.5.0 <i>freeze_meeting:</i> GP-09  <i>history (event, available, version, comments):</i> GP-03 2001-02-06 5 . 0 . 0 GP-06 2001-10-01 5 . 1 . 0 GP-07 2002-01-04 5 . 2 . 0 GP-08 2002-02-19 5 . 3 . 0 GP-09 2002-05-06 5 . 4 . 0 GP-10 2002-07-19 5 . 5 . 0	<b>Link adaptation</b>  <i>WG (prime / other):</i> G1 / - <i>rapporteur:</i> ANDERSEN, Niels Peter MOTOROLA A/S Skov <i>G: yes U:</i> <i>MCC:</i> USAI, Paolino
	<i>get it</i> <i>remarks - general:</i> <i>get it</i> <i>remarks - this release:</i> <i>get it</i> <i>get it</i> <i>get it</i>

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<b>TS 45.010</b> Rel-5 <i>current version:</i> 5.3.0 <i>freeze_meeting:</i> GP-10  <i>history (event, available, version, comments):</i> GP-10 2002-07-19 5 . 0 . 0 GP-11 2002-09-19 5 . 1 . 0 GP-13 2003-02-21 5 . 2 . 0 GP-16 2003-09-12 5 . 3 . 0	<b>Radio subsystem synchronization</b>  <i>WG (prime / other):</i> G1 / - <i>rapporteur:</i> JOKINEN, Harri NOKIA MOBILE PHONES <i>G: yes U:</i> <i>MCC:</i> USAI, Paolino
	<i>get it</i> <i>remarks - general:</i> <i>get it</i> <i>remarks - this release:</i> . <i>get it</i> <i>get it</i>

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<b>TR 45.022</b> Rel-5 <i>current version:</i> 5.0.0 <i>freeze_meeting:</i> GP-10  <i>history (event, available, version, comments):</i> GP-10 2002-07-19 5 . 0 . 0	<b>Radio link management in hierarchical networks</b>  <i>WG (prime / other):</i> G1 / - <i>rapporteur:</i> VAN BUSSEL, Han T-MOBILE DEUTSCHLAND <i>G: yes U:</i> <i>MCC:</i> USAI, Paolino
	<i>get it</i> <i>remarks - general:</i> <i>remarks - this release:</i> .

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<b>TR 45.050</b> Rel-5 <i>current version:</i> 5.0.1 <i>freeze_meeting:</i> GP-10  <i>history (event, available, version, comments):</i> GP-10 2002-07-19 5 . 0 . 0 clean up 2002-09-19 5 . 0 . 1	<b>Background for RF Requirements</b>  <i>WG (prime / other):</i> G1 / - <i>rapporteur:</i> ANDERSEN, Niels Peter MOTOROLA A/S Skov <i>G: yes U:</i> <i>MCC:</i> USAI, Paolino
	<i>get it</i> <i>remarks - general:</i> <i>get it</i> <i>remarks - this release:</i> .

G = required in systems with GERAN acces; U = required in systems with UMTS access.

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**TS 45.056 CTS-FP Radio Sub-system**  
Rel-5 *current version:* 5.0.0 *WG (prime / other):* G1 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*freeze\_meeting:* GP-10 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
GP-10 2002-07-19 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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Rel-5 **46** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/46\\_series](http://www.3gpp.org/ftp/Specs/archive/46_series)

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**TS 46.001 Full Rate Speech Processing Functions**  
Rel-5 *current version:* 5.0.0 *WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*freeze\_meeting:* SP-16 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
SP-16 2002-06-28 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 46.002 Half Rate Speech Processing Functions**  
Rel-5 *current version:* 5.0.0 *WG (prime / other):* S4 / - *rapporteur:* AFTELAK, Steve MOTOROLA Ltd  
*freeze\_meeting:* SP-16 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
SP-16 2002-06-28 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 46.006 Half-rate speech: ANSI-C code for GSM half-rate speech codec**  
Rel-5 *current version:* 5.0.0 *WG (prime / other):* S4 / - *rapporteur:* AFTELAK, Steve MOTOROLA Ltd  
*freeze\_meeting:* SP-16 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
SP-16 2002-06-28 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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Server location: [http://www.3gpp.org/ftp/Specs/archive/46\\_series](http://www.3gpp.org/ftp/Specs/archive/46_series)

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<b>TS 46.007</b>	<b>Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i> SP-16	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i> SP-16 2002-06-28 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
<hr/>						
<b>TR 46.008</b>	<b>Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SALEM, Tarek	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> SP-16	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i> SP-16 2002-06-28 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
<hr/>						
<b>TS 46.010</b>	<b>Full-rate speech transcoding</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> LORENZ, Dietmar	PHILIPS Semiconductors		
	<i>freeze_meeting:</i> SP-16	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i> SP-16 2002-06-28 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
<hr/>						
<b>TS 46.011</b>	<b>Substitution and Muting of Lost Frames for Full Rate Speech Channels</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> NAVARRO, William	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> SP-16	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i> SP-16 2002-06-28 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
<hr/>						
<b>TS 46.012</b>	<b>Comfort Noise Aspects for Full Rate Speech Traffic Channels</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SERENO, Daniele	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> SP-16	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i> SP-16 2002-06-28 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .

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<b>TS 46.020</b>	<b>Half Rate Speech Transcoding</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i> SP-16	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i> SP-16 2002-06-28 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
<hr/>						
<b>TS 46.021</b>	<b>Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i> SP-16	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i> SP-16 2002-06-28 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
<hr/>						
<b>TS 46.022</b>	<b>Comfort Noise Aspects for Half Rate Speech Traffic Channels</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i> SP-16	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i> SP-16 2002-06-28 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
<hr/>						
<b>TS 46.031</b>	<b>Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> SP-16	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i> SP-16 2002-06-28 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
<hr/>						
<b>TS 46.032</b>	<b>Voice Activity Detection (VAD)</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> BARRETT, Paul	Indicate persons who left Company and wait for new One		
	<i>freeze_meeting:</i> SP-16	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i> SP-16 2002-06-28 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .

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<b>TS 46.041</b>	<b>Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	USAI, Paolino	TELECOM ITALIA S.p.A.
	<i>freeze_meeting:</i> SP-16	G: yes U:		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-06-28 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	
<hr/>						
<b>TS 46.042</b>	<b>Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	BARRETT, Paul	Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i> SP-16	G: yes U:		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-06-28 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	
<hr/>						
<b>TS 46.051</b>	<b>GSM Enhanced full rate speech processing functions: General description</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	JÄRVINEN, Kari	NOKIA Corporation
	<i>freeze_meeting:</i> SP-16	G: yes U:		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-06-28 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	
<hr/>						
<b>TS 46.053</b>	<b>ANSI-C code for the GSM Enhanced full rate speech codec</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	JÄRVINEN, Kari	NOKIA Corporation
	<i>freeze_meeting:</i> SP-16	G: yes U:		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-06-28 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	
<hr/>						
<b>TS 46.054</b>	<b>Test sequences for the GSM Enhanced Full Rate (EFR)</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	JÄRVINEN, Kari	NOKIA Corporation
	<i>freeze_meeting:</i> SP-16	G: yes U:		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	SP-16 2002-06-28 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	

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<b>TR 46.055</b>	<b>Performance characterisation of the GSM EFR Speech Codec</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SALEM, Tarek		T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> SP-16	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i> SP-16 2002-06-28 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .	
<hr/>						
<b>TS 46.060</b>	<b>Enhanced full rate speech transcoding</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari		NOKIA Corporation	
	<i>freeze_meeting:</i> SP-16	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i> SP-16 2002-06-28 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .	
<hr/>						
<b>TS 46.061</b>	<b>Substitution and muting of lost frames for enhanced full rate speech traffic channels</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari		NOKIA Corporation	
	<i>freeze_meeting:</i> SP-16	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i> SP-16 2002-06-28 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .	
<hr/>						
<b>TS 46.062</b>	<b>Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari		NOKIA Corporation	
	<i>freeze_meeting:</i> SP-16	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i> SP-16 2002-06-28 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .	
<hr/>						
<b>TS 46.081</b>	<b>Discontinuous Transmission (DTX) for enhanced full rate speech traffic channels</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari		NOKIA Corporation	
	<i>freeze_meeting:</i> SP-16	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i> SP-16 2002-06-28 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .	

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**TS 46.082 Voice Activity Detection (VAD) for enhanced full rate speech channels**  
Rel-5 *current version:* 5.0.0 *WG (prime / other):* S4 / - *rapporteur:* JÄRVINEN, Kari NOKIA Corporation  
*freeze\_meeting:* SP-16 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
SP-16 2002-06-28 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TR 46.085 Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation**  
Rel-5 *current version:* 5.0.0 *WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*freeze\_meeting:* SP-16 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
SP-16 2002-06-28 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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Rel-5 **48** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/48\\_series](http://www.3gpp.org/ftp/Specs/archive/48_series)

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**TS 48.001 General Aspects on the BSS-MSC Interface**  
Rel-5 *current version:* 5.0.1 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* GP-11 *G: yes U:* *MCC:* Skov THOMASEN, Gert  
*history (event, available, version, comments):*  
GP-11 2002-09-27 5 . 0 . 0 [get it](#) *remarks - general:*  
edito 2002-12-17 5 . 0 . 1 [get it](#) *remarks - this release:* .

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**TS 48.002 Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles**  
Rel-5 *current version:* 5.1.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* GP-09 *G: yes U:* *MCC:* Skov THOMASEN, Gert  
*history (event, available, version, comments):*  
GP-04 2001-10-05 5 . 0 . 0 [get it](#) *remarks - general:*  
GP-09 2002-05-06 5 . 1 . 0 [get it](#) *remarks - this release:* .

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## TS 48.004 Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification

Rel-5 *current version:* 5.0.1 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*freeze\_meeting:* GP-11 *G:* yes *U:* *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*  
GP-11 2002-09-27 5 . 0 . 0 [get it](#) *remarks - general:*  
edito 2002-12-17 5 . 0 . 1 [get it](#) *remarks - this release:* .

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## TS 48.006 Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface

Rel-5 *current version:* 5.0.1 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*freeze\_meeting:* GP-11 *G:* yes *U:* *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*  
GP-11 2002-09-27 5 . 0 . 0 [get it](#) *remarks - general:*  
edito 2002-12-17 5 . 0 . 1 [get it](#) *remarks - this release:* .

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## TS 48.008 Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification

Rel-5 *current version:* 5.12.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*freeze\_meeting:* GP-09 *G:* yes *U:* *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*  
GP-04 2001-05-04 5 . 0 . 0 [get it](#) *remarks - general:*  
GP-05 2001-06-19 5 . 1 . 0 [get it](#) *remarks - this release:* .  
GP-06 2001-09-14 5 . 2 . 0 [get it](#)  
GP-07 2002-01-08 5 . 3 . 0 [get it](#)  
GP-08 2002-02-19 5 . 4 . 0 [get it](#)  
GP-09 2002-05-06 5 . 5 . 0 [get it](#)  
GP-10 2002-07-19 5 . 6 . 0 [get it](#)  
GP-11 2002-09-16 5 . 7 . 0 [get it](#)  
GP-12 2002-12-18 5 . 8 . 0 [get it](#)  
GP-15 2003-07-10 5 . 9 . 0 [get it](#)  
GP-16 2003-09-12 5 . 10 . 0 [get it](#)  
GP-17 2003-12-05 5 . 11 . 0 [get it](#)  
GP-19 2004-05-06 5 . 12 . 0 [get it](#)

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<b>TS 48.014</b>	<b>General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1</b>
Rel-5	<i>current version:</i> 5.0.1 <i>freeze_meeting:</i> GP-11
	<i>WG (prime / other):</i> G2 / - <i>rapporteur:</i> ANDERSEN, Niels Peter MOTOROLA A/S Skov
	<i>G:</i> yes <i>U:</i> <i>MCC:</i> THOMASEN, Gert
	<i>history (event, available, version, comments):</i>
	GP-11 2002-09-27 5 . 0 . 0 <a href="#">get it</a> <i>remarks - general:</i>
	edito 2002-12-17 5 . 0 . 1 <a href="#">get it</a> <i>remarks - this release:</i> .

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<b>TS 48.016</b>	<b>General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service</b>
Rel-5	<i>current version:</i> 5.2.0 <i>freeze_meeting:</i> GP-09
	<i>WG (prime / other):</i> G2 / - <i>rapporteur:</i> ANDERSEN, Niels Peter MOTOROLA A/S Skov
	<i>G:</i> yes <i>U:</i> <i>MCC:</i> THOMASEN, Gert
	<i>history (event, available, version, comments):</i>
	GP-06 2001-09-14 5 . 0 . 0 <a href="#">get it</a> <i>remarks - general:</i>
	GP-07 2002-01-08 5 . 1 . 0 <a href="#">get it</a> <i>remarks - this release:</i> .
	GP-15 2003-07-10 5 . 2 . 0 <a href="#">get it</a>

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<b>TS 48.018</b>	<b>General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol</b>
Rel-5	<i>current version:</i> 5.10.0 <i>freeze_meeting:</i> GP-09
	<i>WG (prime / other):</i> G2 / - <i>rapporteur:</i> BLACK, Jyoti MOTOROLA
	<i>G:</i> yes <i>U:</i> <i>MCC:</i> THOMASEN, Gert
	<i>history (event, available, version, comments):</i>
	GP-06 2001-09-10 5 . 0 . 0 <a href="#">get it</a> <i>remarks - general:</i>
	GP-07 2002-01-08 5 . 1 . 0 <a href="#">get it</a> <i>remarks - this release:</i> .
	GP-08 2002-02-19 5 . 2 . 0 <a href="#">get it</a>
	GP-09 2002-05-06 5 . 3 . 0 <a href="#">get it</a>
	GP-10 2002-07-19 5 . 4 . 0 <a href="#">get it</a>
	GP-11 2002-09-16 5 . 5 . 0 <a href="#">get it</a>
	edito 2002-12-17 5 . 5 . 1 <a href="#">get it</a>
	GP-13 2003-02-21 5 . 6 . 0 <a href="#">get it</a>
Editorial correction of reference in tables 10.2.1 and 10.2.2	2003-04-29 5 . 6 . 1 <a href="#">get it</a>
	GP-15 2003-07-10 5 . 7 . 0 <a href="#">get it</a>
	GP-17 2003-12-05 5 . 8 . 0 <a href="#">get it</a>
	GP-18 2004-02-23 5 . 9 . 0 <a href="#">get it</a>
	GP-19 2004-05-06 5 . 10 . 0 <a href="#">get it</a>

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Server location: [http://www.3gpp.org/ftp/Specs/archive/48\\_series](http://www.3gpp.org/ftp/Specs/archive/48_series)

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<b>TS 48.020</b>	<b>Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface</b>				
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> RÄSÄNEN, Juha	NOKIA Corporation	
	<i>freeze_meeting:</i> NP-15	G: yes U:	<i>MCC:</i> BOSWARTHICK, David		
	<i>history (event, available, version, comments):</i>				
	NP-14	2002-01-11	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
	NP-17	2002-09-18	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .
	NP-18	2003-01-09	5 . 2 . 0	<a href="#">get it</a>	
<hr/>					
<b>TS 48.031</b>	<b>Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> GP-10	G: yes U:	<i>MCC:</i> THOMASEN, Gert	Skov	
	<i>history (event, available, version, comments):</i>				
	GP-10	2002-07-19	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
					<i>remarks - this release:</i> .
<hr/>					
<b>TS 48.051</b>	<b>Base Station Controller - Base Transceiver Station (BSC-BTS) Interface General Aspects</b>				
Rel-5	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> GP-11	G: yes U:	<i>MCC:</i> THOMASEN, Gert	Skov	
	<i>history (event, available, version, comments):</i>				
	GP-11	2002-09-27	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
	edito	2002-12-17	5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .
<hr/>					
<b>TS 48.052</b>	<b>Base Station Controller - Base Transceiver Station (BSC-BTS) Interface - Interface Principles</b>				
Rel-5	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> GP-11	G: yes U:	<i>MCC:</i> THOMASEN, Gert	Skov	
	<i>history (event, available, version, comments):</i>				
	GP-11	2002-09-27	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
	edito	2002-12-17	5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .
<hr/>					
<b>TS 48.054</b>	<b>Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 1 structure of physical circuits</b>				
Rel-5	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> GP-11	G: yes U:	<i>MCC:</i> THOMASEN, Gert	Skov	
	<i>history (event, available, version, comments):</i>				
	GP-11	2002-09-27	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
	edito	2002-12-17	5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 48.056</b>	<b>Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 2 specification</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> GP-11		Skov		
		G: yes U:	MCC:	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i>				
	GP-11 2002-09-27 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i>		
<hr/>					
<b>TS 48.058</b>	<b>Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification</b>				
Rel-5	<i>current version:</i> 5.6.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> GP-09		Skov		
		G: yes U:	MCC:	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i>				
	GP-04 2001-05-04 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	GP-05 2001-06-18 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	GP-06 2001-09-10 5 . 2 . 0	<a href="#">get it</a>			
	GP-07 2002-01-08 5 . 3 . 0	<a href="#">get it</a>			
	GP-08 2002-02-19 5 . 4 . 0	<a href="#">get it</a>			
	GP-09 2002-05-06 5 . 5 . 0	<a href="#">get it</a>			
	GP-10 2002-07-19 5 . 6 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 48.060</b>	<b>In-band control of remote transcoders and rate adaptors for full rate traffic channels</b>				
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> GP-09		Skov		
		G: yes U:	MCC:	USAI, Paolino	
	<i>history (event, available, version, comments):</i>				
	GP-09 2002-05-06 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.	
	GP-10 2002-07-19 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	GP-11 2002-09-19 5 . 2 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 48.061</b>	<b>In-band control of remote transcoders and rate adaptors for half rate traffic channels</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> G1 / NP	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> GP-09		Skov		
		G: yes U:	MCC:	USAI, Paolino	
	<i>history (event, available, version, comments):</i>				
	GP-09 2002-05-06 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.	
			<i>remarks - this release:</i>		

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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**TS 48.071**    **Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification**  
Rel-5    *current version:* 5.1.0    *WG (prime / other):* G2 / -    *rapporteur:* ANDERSEN, Niels Peter    MOTOROLA A/S  
*freeze\_meeting:* GP-11    G: yes    U:    *MCC:* THOMASEN, Gert  
*Skov*  
*history (event, available, version, comments):*  
GP-11 2002-09-27 5 . 0 . 0    [get it](#)    *remarks - general:*  
edito 2002-12-17 5 . 0 . 1    [get it](#)    *remarks - this release:* .  
GP-15 2003-07-10 5 . 1 . 0    [get it](#)

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Rel-5    **49** .- series    Server location: [http://www.3gpp.org/ftp/Specs/archive/49\\_series](http://www.3gpp.org/ftp/Specs/archive/49_series)

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**TR 49.001**    **General network interworking scenarios**  
Rel-5    *current version:* 5.0.0    *WG (prime / other):* N4 / -    *rapporteur:* KYMALAINEN, Kimmo    TeliaSonera AB  
*freeze\_meeting:* NP-15    G: yes    U:    *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
NP-16 2002-06-25 5 . 0 . 0    [get it](#)    *remarks - general:*  
*remarks - this release:* .

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**TS 49.008**    **Application of the Base Station System Application Part (BSSAP) on the E-Interface**  
Rel-5    *current version:* 5.1.0    *WG (prime / other):* N1 / -    *rapporteur:* FARHOUMAND, Rouzbeh    Ericsson Incorporated  
*freeze\_meeting:* NP-15    G: yes    U:    *MCC:* JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
NP-16 2002-06-19 5 . 0 . 0    [get it](#)    *remarks - general:*  
NP-19 2003-03-24 5 . 1 . 0    [get it](#)    *remarks - this release:* .

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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Server location: [http://www.3gpp.org/ftp/Specs/archive/49\\_series](http://www.3gpp.org/ftp/Specs/archive/49_series)

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## TS 49.031 Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)

Rel-5 *current version:* 5.4.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* GP-09

*G:* yes *U:* *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*

GP-06	2001-10-02	5	.	0	.	0
edito	2001-10-03	5	.	0	.	1
GP-07	2002-01-08	5	.	1	.	0
GP-08	2002-02-19	5	.	2	.	0
GP-10	2002-07-19	5	.	3	.	0
GP-19	2004-05-06	5	.	4	.	0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* .  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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Rel-5 **51** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/51\\_series](http://www.3gpp.org/ftp/Specs/archive/51_series)

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## TS 51.010-1 Mobile Station (MS) conformance specification; Part 1: Conformance specification

Rel-5 *current version:* 5.8.0 *WG (prime / other):* G3new/ S1 / *rapporteur:* HU, Shicheng ETSI Secretariat  
*freeze\_meeting:* SP-15 NP /

T2 /  
SCP

*G:* yes *U:* *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

GP-11	2002-09-20	5	.	0	.	0
GP-12	2002-12-20	5	.	1	.	0
GP-13	2003-02-21	5	.	2	.	0
replacement of omitted text post	2003-02-28	5	.	2	.	1
GP-13						
GP-14	2003-04-25	5	.	3	.	0
GP-15	2003-07-22	5	.	4	.	0
GP-16	2003-09-05	5	.	5	.	0
GP-17	2003-11-28	5	.	6	.	0
GP-18	2004-02-18	5	.	7	.	0
GP-19	2004-05-04	5	.	8	.	0

[get it](#) *remarks - general:* 2001-11-19: G4->G5.  
[get it](#) *remarks - this release:* .  
[get it](#)  
[get it](#)  
[get it](#) late availability due to extent of changes  
plus shortage of MCC manpower  
[get it](#)  
[get it](#) approved CR1851r1 not implementable  
[get it](#)  
[get it](#)

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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ACTIVE specs Rel-5 51 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/51\\_series](http://www.3gpp.org/ftp/Specs/archive/51_series)

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## TS 51.010-2 Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification

Rel-5 *current version:* 5.8.1 *WG (prime / other):* G3new/ S1 / *rporteur:* HU, Shicheng ETSI Secretariat  
*freeze\_meeting:* GP-11 NP /  
T2 /  
SCP

G: yes U: MCC: CLAYTON, Michael

*history (event, available, version, comments):*

GP-11	2002-09-19	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> 2001-11-19: G4->G5.
GP-12	2002-12-20	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .
GP-13	2003-02-21	5 . 2 . 0	<a href="#">get it</a>	
GP-14	2003-04-25	5 . 3 . 0	<a href="#">get it</a>	
GP-15	2003-07-17	5 . 4 . 0	<a href="#">get it</a>	late availability due to extent of changes plus shortage of MCC manpower
GP-16	2003-09-05	5 . 5 . 0	<a href="#">get it</a>	
GP-17	2003-11-28	5 . 6 . 0	<a href="#">get it</a>	
GP-18	2004-02-18	5 . 7 . 0	<a href="#">get it</a>	
GP-19	2004-05-04	5 . 8 . 0	<a href="#">get it</a>	
edito post GP-19	2004-05-18	5 . 8 . 1	<a href="#">get it</a>	

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## TS 51.010-3 Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)

Rel-5 *current version:* 5.1.0 *WG (prime / other):* G3new/ S1 / *rporteur:* HU, Shicheng ETSI Secretariat  
*freeze\_meeting:* GP-18 NP /  
T2 /  
SCP

G: yes U: MCC: CLAYTON, Michael

*history (event, available, version, comments):*

GP-18	2004-03-22	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> 2001-11-19: G4->G5.
post GP-18	2004-03-25	5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .
GP-19	2004-05-18	5 . 1 . 0	<a href="#">get it</a>	Late delivery due to extra-MCC forces.

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## TS 51.010-5 Mobile Station (MS) conformance specification; Part 5: GERAN / UTRAN interaction Abstract Test Suite (ATS)

Rel-5 *current version:* none *WG (prime / other):* G3new/ T1 *rporteur:* HU, Shicheng ETSI Secretariat  
*freeze\_meeting:* G: yes U: yes MCC: CLAYTON, Michael

*history (event, available, version, comments):*

*remarks - general:* Should number really be 31.010-5?  
*remarks - this release:* .

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs Rel-5 51 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/51\\_series](http://www.3gpp.org/ftp/Specs/archive/51_series)

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**TS 51.013 Test specification for Subscriber Identity Module (SIM) Application Programming Interface (API) for Java Card**  
Rel-5 *current version:* 5.1.0 *WG (prime / other):* T3 / - *rapporteur:* BEGASSAT, Christophe Axalto S.A.  
*freeze\_meeting:* TP-20 *G: yes U:* *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*  
TP-20 2003-06-23 5 . 0 . 0 [get it](#) *remarks - general:*  
post TP-20 editorial 2003-06-27 5 . 0 . 1 [get it](#) *remarks - this release:* TP-16: WI is TP-020122.  
to fix zipped annex  
E attachment

TP-22 2004-01-12 5 . 1 . 0 [get it](#)

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**TS 51.021 GSM radio aspects base station system equipment specification**  
Rel-5 *current version:* 5.3.0 *WG (prime / other):* G1 / - *rapporteur:* BUSIN, Ake Telefon AB LM Ericsson  
*freeze\_meeting:* GP-10 *G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version, comments):*  
GP-10 2002-07-19 5 . 0 . 0 [get it](#) *remarks - general:*  
GP-12 2003-01-03 5 . 1 . 0 [get it](#) *remarks - this release:* .  
GP-13 2003-02-21 5 . 2 . 0 [get it](#)  
GP-15 2003-07-11 5 . 3 . 0 [get it](#)

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**TS 51.026 GSM Repeater Equipment Specification**  
Rel-5 *current version:* 5.0.0 *WG (prime / other):* G1 / - *rapporteur:* BUSIN, Ake Telefon AB LM Ericsson  
*freeze\_meeting:* GP-10 *G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version, comments):*  
GP-10 2002-07-19 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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Rel-5 **52** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/52\\_series](http://www.3gpp.org/ftp/Specs/archive/52_series)

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**TS 52.021 Network Management (NM) Procedures and messages on the A-bis interface**  
Rel-5 *current version:* 5.0.0 *WG (prime / other):* G1 / S5 *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* GP-10 *G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version, comments):*  
GP-10 2002-07-19 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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**TS 52.402 Telecommunication management; Performance Management (PM); Performance measurements - GSM**  
Rel-5 *current version:* 5.0.0 *WG (prime / other):* S5 / - *rapporteur:* TOCHE, Christian NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* SP-18 *G:* yes *U:* *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*  
SP-19 2003-03-31 5 . 0 . 0 technically identical to v4.2.0 [get it](#) *remarks - general:* SP-13: replaces 32.402.  
*remarks - this release:* SP-18: Expected to be raised to Rel-5 at SP-19.

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## Rel-4

Rel-4 21 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/21\\_series](http://www.3gpp.org/ftp/Specs/archive/21_series)

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**TS 21.101 Technical Specifications and Technical Reports for a UTRAN-based 3GPP system**  
Rel-4 *current version:* 4.10.0 *WG (prime / other):* SP / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
*freeze\_meeting:* SP-20 *G:* *U:* yes *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
SP-20 2003-06-25 4 . 9 . 0 Created from 21.102 v4.9.0 [get it](#) *remarks - general:* 2003-05: Title changed from "3rd Generation mobile system Release 1999  
SP-22 2004-01-15 4 . 10 . 0 [get it](#) *remarks - this release:* . Specifications".

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**TS 21.111 USIM and IC card requirements**  
Rel-4 *current version:* 4.1.0 *WG (prime / other):* T3 / - *rapporteur:* KALINER, Stefan T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* JURISIC, Andrijana  
*history (event, available, version, comments):*  
TP-11 2001-04-09 4 . 0 . 0 [get it](#) *remarks - general:*  
TP-17 2002-09-18 4 . 1 . 0 [get it](#) *remarks - this release:* 2002-04-15: T3 reported to be still thinking about whether or not to create a Rel-5  
version. TP-16: decided to upgrade to Rel-5.

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G = required in systems with GERAN acces; U = required in systems with UMTS access.



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<b>TS 21.133</b>	<b>3G security; Security threats and requirements</b>				
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> CHRISTOFFERSSON, PerTeliaSonera AB		
	<i>freeze_meeting:</i> SP-11	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> POPE, Maurice	
	<i>history (event, available, version, comments):</i>				
	SP-11 2001-04-09 4 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	
	SP-14 2002-01-07 4 . 1 . 0	<a href="#">get it</a>		<i>remarks - this release:</i>	
<hr/>					
<b>TR 21.801</b>	<b>Specification drafting rules</b>				
Rel-4	<i>current version:</i> 4.4.0	<i>WG (prime / other):</i> SP / -	<i>rapporteur:</i> MEREDITH, John M ETSI Secretariat		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes	<i>U:</i> yes	<i>MCC:</i> POPE, Maurice	
	<i>history (event, available, version, comments):</i>				
	SP-08 2000-06-28 1 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	
	SP-08 2000-06-30 4 . 0 . 0	<a href="#">get it</a>		<i>remarks - this release:</i> Formal doc created after TSG#7. (Was briefly 21.200)	
	SP-11 2001-04-11 4 . 1 . 0	<a href="#">get it</a>			
	SP-13 2001-10-01 4 . 2 . 0	<a href="#">get it</a>			
	SP-15 2002-03-27 4 . 3 . 0	<a href="#">get it</a>			
	SP-23 2004-04-02 4 . 4 . 0	<a href="#">get it</a>			
<hr/>					
<b>TR 21.900</b>	<b>Technical Specification Group working methods</b>				
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> SP / -	<i>rapporteur:</i> MEREDITH, John M ETSI Secretariat		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes	<i>U:</i> yes	<i>MCC:</i> POPE, Maurice	
	<i>history (event, available, version, comments):</i>				
	SP-11 2001-04-11 4 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	
	SP-22 2004-01-14 4 . 1 . 0	<a href="#">get it</a>		<i>remarks - this release:</i> SP-22: Fron now on, is null document pointing to equivalent in latest Release.	
<hr/>					
<b>TR 21.905</b>	<b>Vocabulary for 3GPP Specifications</b>				
Rel-4	<i>current version:</i> 4.5.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> ZARRI, Michele T-Mobile (UK) Ltd		
	<i>freeze_meeting:</i> SP-11	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>				
	SP-09 2000-10-18 4 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	
	SP-10 2001-01-08 4 . 1 . 0	<a href="#">get it</a>		<i>remarks - this release:</i> Absorbs 01.04.	
	SP-11 2001-04-02 4 . 2 . 0	<a href="#">get it</a>			
	SP-12 2001-06-27 4 . 3 . 0	<a href="#">get it</a>			
	SP-13 2001-10-05 4 . 4 . 0	<a href="#">get it</a>			
	SP-20 2003-06-18 4 . 5 . 0	<a href="#">get it</a>			

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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**TS 22.001 Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)**

Rel-4 *current version:* 4.3.0 *WG (prime / other):* S1 / - *rapporteur:* KOKKOLA, Tommi NOKIA Corporation  
*freeze\_meeting:* SP-11 *G: yes U: yes* *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

SP-09	2000-10-18	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> Transfer>TSG#5
SP-10	2001-01-08	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
remove change bars	2001-02-28	4	.	1	.	1	<a href="#">get it</a>
SP-12	2001-06-27	4	.	2	.	0	<a href="#">get it</a>
SP-15	2002-03-25	4	.	3	.	0	<a href="#">get it</a>

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**TS 22.002 Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)**

Rel-4 *current version:* 4.2.0 *WG (prime / other):* S1 / - *rapporteur:* CARPENTER, Paul Research In Motion Limited  
*freeze\_meeting:* SP-11 *G: yes U: yes* *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

SP-09	2000-10-18	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> Transfer>TSG#4
SP-11	2001-04-02	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
SP-12	2001-06-27	4	.	2	.	0	<a href="#">get it</a>

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**TS 22.003 Circuit Teleservices supported by a Public Land Mobile Network (PLMN)**

Rel-4 *current version:* 4.3.0 *WG (prime / other):* S1 / - *rapporteur:* KOKKOLA, Tommi NOKIA Corporation  
*freeze\_meeting:* SP-11 *G: yes U: yes* *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

SP-07	2000-03-17	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> Transfer>TSG#5
SP-10	2001-01-08	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
SP-12	2001-06-27	4	.	2	.	0	<a href="#">get it</a>
SP-15	2002-03-25	4	.	3	.	0	<a href="#">get it</a>

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**TS 22.004 General on supplementary services**

Rel-4 *current version:* 4.2.0 *WG (prime / other):* S1 / - *rapporteur:* CARPENTER, Paul Research In Motion Limited  
*freeze\_meeting:* SP-11 *G: yes U: yes* *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

SP-11	2001-04-02	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> Transfer>TSG#4
SP-15	2002-03-25	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
SP-16	2002-07-04	4	.	2	.	0	<a href="#">get it</a>

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<b>TS 22.011</b>	<b>Service accessibility</b>								
Rel-4	<i>current version:</i> 4.8.0								
	<i>freeze_meeting:</i> SP-11								
	<i>history (event, available, version, comments):</i>								
	SP-07 2000-03-17	4	.	0	.	0			
	SP-08 2000-06-28	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4
	SP-09 2000-10-18	4	.	2	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	SP-11 2001-04-02	4	.	3	.	0	<a href="#">get it</a>		
	SP-12 2001-06-27	4	.	4	.	0	<a href="#">get it</a>		
	SP-14 2002-01-10	4	.	5	.	0	<a href="#">get it</a>		
	SP-15 2002-03-25	4	.	6	.	0	<a href="#">get it</a>		
	SP-16 2002-07-04	4	.	7	.	0	<a href="#">get it</a>		
	SP-17 2002-09-17	4	.	8	.	0	<a href="#">get it</a>		
<hr/>									
<b>TS 22.016</b>	<b>International Mobile Equipment Identities (IMEI)</b>								
Rel-4	<i>current version:</i> 4.2.1								
	<i>freeze_meeting:</i> SP-11								
	<i>history (event, available, version, comments):</i>								
	SP-11 2001-04-02	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4
	SP-15 2002-03-25	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	TSG#8: CR proposed creation, but not aprvd.
	SP-16 2002-07-04	4	.	2	.	0	<a href="#">get it</a>		
	edito post SP-16 2002-07-19	4	.	2	.	1	<a href="#">get it</a>		History box
<hr/>									
<b>TS 22.022</b>	<b>Personalisation of Mobile Equipment (ME); Mobile functionality specification</b>								
Rel-4	<i>current version:</i> 4.1.0								
	<i>freeze_meeting:</i> SP-11								
	<i>history (event, available, version, comments):</i>								
	SP-11 2001-04-02	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4
	SP-16 2002-06-19	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	
<hr/>									
<b>TS 22.024</b>	<b>Description of Charge Advice Information (CAI)</b>								
Rel-4	<i>current version:</i> 4.0.0								
	<i>freeze_meeting:</i> SP-11								
	<i>history (event, available, version, comments):</i>								
	SP-11 2001-04-02	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4,CR at TSG#5
								<i>remarks - this release:</i>	

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<b>TS 22.030</b>	<b>Man-Machine Interface (MMI) of the User Equipment (UE)</b>								
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	IGNATIUS, Jan	NOKIA Corporation			
	<i>freeze_meeting:</i> SP-11	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-11 2001-04-02 4 . 0 . 0						<i>remarks - general:</i>	Transfer>TSG#4	
	SP-15 2002-03-25 4 . 1 . 0						<i>remarks - this release:</i>		
<b>TS 22.031</b>	<b>Fraud Information Gathering System (FIGS); Service description; Stage 1</b>								
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i>	S3 /	<i>rapporteur:</i>	WRIGHT, Tim	Indicate persons who left Company and wait for new One			
	<i>freeze_meeting:</i> SP-18	G: yes U: yes		<i>MCC:</i>	POPE, Maurice				
	<i>history (event, available, version, comments):</i>								
	SP-18 2003-01-06 4 . 0 . 0	Technically identical to 42.031 v4.0.0.					<i>remarks - general:</i>	SP-18: decided FIGS is joint GERAN/UTRAN so 02.31 R99 and 42.031 Rel-4 & Rel-5 ->	
							<i>remarks - this release:</i>	Created from 42.031 Rel-4. 22.031.	
<b>TS 22.032</b>	<b>Immediate Service Termination (IST); Service description; Stage 1</b>								
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i>	S3 /	<i>rapporteur:</i>	WRIGHT, Tim	Indicate persons who left Company and wait for new One			
	<i>freeze_meeting:</i> SP-16	G: yes U: yes		<i>MCC:</i>	POPE, Maurice				
	<i>history (event, available, version, comments):</i>								
	SP-16 2002-06-24 4 . 0 . 0						<i>remarks - general:</i>	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards).	
							<i>remarks - this release:</i>	SP-16: Takes over from 42.032 Rel-4.	
<b>TS 22.034</b>	<b>High Speed Circuit Switched Data (HSCSD); Stage 1</b>								
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	KOKKOLA, Tommi	NOKIA Corporation			
	<i>freeze_meeting:</i> SP-11	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-11 2001-04-02 4 . 0 . 0						<i>remarks - general:</i>	Transfer>TSG#4	
	SP-16 2002-07-04 4 . 1 . 0						<i>remarks - this release:</i>		
<b>TS 22.038</b>	<b>USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1</b>								
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	CARPENTER, Paul	Research In Motion Limited			
	<i>freeze_meeting:</i> SP-11	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-09 2000-10-18 4 . 0 . 0						<i>remarks - general:</i>	Transfer>TSG#4	
	SP-10 2001-01-08 4 . 1 . 0						<i>remarks - this release:</i>		
	SP-20 2003-06-18 4 . 2 . 0								
	SP-22 2004-01-06 4 . 3 . 0								

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<b>TS 22.041</b>	<b>Operator Determined Call Barring</b>					
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> WATSON, John	VODAFONE Group Plc		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	SP-10 2001-01-08 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-11 2001-04-02 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>						
<b>TS 22.042</b>	<b>Network Identity and Time Zone (NITZ) service description; Stage 1</b>					
Rel-4	<i>current version:</i> 4.2.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-02 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-15 2002-03-25 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-20 2003-06-18 4 . 2 . 0	<a href="#">get it</a>				
	corect cover date 2003-06-26 4 . 2 . 1	<a href="#">get it</a>				
<hr/>						
<b>TS 22.048</b>	<b>Security mechanisms for the (U)SIM application toolkit; Stage 1</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> T3 / S3	<i>rapporteur:</i> BARNES, Nigel	MOTOROLA Ltd		
	<i>freeze_meeting:</i> TP-12	G: yes U: yes	<i>MCC:</i> JURISIC, Andrijana			
	<i>history (event, available, version, comments):</i>					
	TP-12 2001-07-06 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> TP-12: was previously 42.048.			
			<i>remarks - this release:</i> .			
<hr/>						
<b>TS 22.053</b>	<b>Tandem Free Operation (TFO); Service description; Stage 1</b>					
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> NAVARRO, William	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	draft 1999-04-23 0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4.			
	SP-03 1999-04-23 0 . 1 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-11 2001-04-10 4 . 0 . 0	<a href="#">get it</a>				
	edito 2001-10-01 4 . 0 . 1	<a href="#">get it</a>				

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<b>TS 22.057</b>	<b>Mobile Execution Environment (MExE) service description; Stage 1</b>								
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	CLAYTON, Michael	EMCOM Ltd			
	<i>freeze_meeting:</i> SP-11	<i>G: yes U: yes</i>		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-09 2000-10-18 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution			
	SP-15 2002-03-25 4 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	Environment (MExE); Stage 1".			
<hr/>									
<b>TS 22.060</b>	<b>General Packet Radio Service (GPRS); Service description; Stage 1</b>								
Rel-4	<i>current version:</i> 4.4.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	CARPENTER, Paul	Research In Motion Limited			
	<i>freeze_meeting:</i> SP-11	<i>G: yes U: yes</i>		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-07 2000-03-17 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4			
	SP-08 2000-06-28 4 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>				
	SP-10 2001-01-08 4 . 2 . 0			<a href="#">get it</a>					
	SP-15 2002-03-25 4 . 3 . 0			<a href="#">get it</a>					
	SP-16 2002-07-04 4 . 4 . 0			<a href="#">get it</a>					
<hr/>									
<b>TS 22.066</b>	<b>Support of Mobile Number Portability (MNP); Stage 1</b>								
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	CLAYTON, Michael	EMCOM Ltd			
	<i>freeze_meeting:</i> SP-11	<i>G: yes U: yes</i>		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-11 2001-04-02 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4			
					<i>remarks - this release:</i>				
<hr/>									
<b>TS 22.067</b>	<b>enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1</b>								
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	SWETINA, Joerg	SIEMENS AG			
	<i>freeze_meeting:</i> SP-11	<i>G: yes U: yes</i>		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-10 2001-01-08 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4			
	SP-15 2002-03-25 4 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>				

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<b>TS 22.071</b>	<b>Location Services (LCS); Stage 1</b>						
Rel-4	<i>current version:</i> 4.6.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> DEOL, Amar	Nortel Networks (USA)			
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>						
	SP-08 2000-06-28 4 . 0 . 0	based on 3.2.0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-09 2000-10-18 4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-10 2001-01-08 4 . 2 . 0		<a href="#">get it</a>				
	SP-11 2001-04-02 4 . 3 . 0		<a href="#">get it</a>				
	SP-15 2002-03-25 4 . 4 . 0		<a href="#">get it</a>				
	edito post SP-15 2002-04-04 4 . 4 . 1		<a href="#">get it</a>				
	SP-21 2003-09-30 4 . 5 . 0		<a href="#">get it</a>				
	SP-23 2004-03-23 4 . 6 . 0		<a href="#">get it</a>				
<hr/>							
<b>TS 22.072</b>	<b>Call Deflection (CD); Stage 1</b>						
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> HECHWARTNER, Roland T-Mobile AUSTRIA GmbH				
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>						
	SP-11 2001-04-02 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
				<i>remarks - this release:</i>			
<hr/>							
<b>TS 22.076</b>	<b>Noise suppression for the AMR codec; Service description; Stage 1</b>						
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.			
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version, comments):</i>						
	SP-11 2001-04-10 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	edito 2001-10-01 4 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>							
<b>TS 22.078</b>	<b>Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1</b>						
Rel-4	<i>current version:</i> 4.5.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> GRECH, Michel	Lucent Technologies Network Systems UK			
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>						
	SP-09 2000-10-29 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-10 2001-01-08 4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-11 2001-04-02 4 . 2 . 0		<a href="#">get it</a>				
	SP-12 2001-06-27 4 . 3 . 0		<a href="#">get it</a>				
	SP-14 2002-01-10 4 . 4 . 0		<a href="#">get it</a>				
	SP-15 2002-03-25 4 . 5 . 0		<a href="#">get it</a>				

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<b>TS 22.079</b>	<b>Support of optimal routing; Stage 1</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-02 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
			<i>remarks - this release:</i>			
<hr/>						
<b>TS 22.081</b>	<b>Line Identification supplementary services; Stage 1</b>					
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> BLOMSTRAND, Ola	TeliaSonera AB		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-02 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-15 2002-03-25 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>						
<b>TS 22.082</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 1</b>					
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> IBIDUN, Kunle	ORANGE PCS LTD		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-02 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-12 2001-06-29 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-15 2002-03-25 4 . 2 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 22.083</b>	<b>Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1</b>					
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-02 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-15 2002-03-25 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>						
<b>TS 22.084</b>	<b>MultiParty (MPTY) supplementary service; Stage 1</b>					
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> SWETINA, Joerg	SIEMENS AG		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-02 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-15 2002-03-25 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			

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<b>TS 22.085</b>	<b>Closed User Group (CUG) supplementary services; Stage 1</b>					
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> BLOMSTRAND, Ola	TeliaSonera AB		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-02 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4
	SP-15 2002-03-25 4 . 1 . 0				<a href="#">get it</a>	<i>remarks - this release:</i>
<hr/>						
<b>TS 22.086</b>	<b>Advice of Charge (AoC) supplementary services; Stage 1</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> DEOL, Amar	Nortel Networks (USA)		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-02 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4
						<i>remarks - this release:</i>
<hr/>						
<b>TS 22.087</b>	<b>User-to-user signalling (UUS); Stage 1</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> ACHTER, Johannes	T-Mobile AUSTRIA GmbH		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-02 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4
						<i>remarks - this release:</i>
<hr/>						
<b>TS 22.088</b>	<b>Call Barring (CB) supplementary services; Stage 1</b>					
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> ACHTER, Johannes	T-Mobile AUSTRIA GmbH		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-02 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4
	SP-15 2002-03-25 4 . 1 . 0				<a href="#">get it</a>	<i>remarks - this release:</i>
<hr/>						
<b>TS 22.090</b>	<b>Unstructured Supplementary Service Data (USSD); Stage 1</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> IGNATIUS, Jan	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-02 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4
						<i>remarks - this release:</i>

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<b>TS 22.091</b>	<b>Explicit Call Transfer (ECT) supplementary service; Stage 1</b>								
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> SWETINA, Joerg	SIEMENS AG					
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version, comments):</i>								
	SP-11 2001-04-02 4 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4		
							<i>remarks - this release:</i>		
<hr/>									
<b>TS 22.093</b>	<b>Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1</b>								
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd					
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version, comments):</i>								
	SP-11 2001-04-02 4 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4		
							<i>remarks - this release:</i>		
<hr/>									
<b>TS 22.094</b>	<b>Follow Me service description - Stage 1</b>								
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> HECHWARTNER, Roland T-Mobile AUSTRIA GmbH						
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version, comments):</i>								
	SP-11 2001-04-02 4 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4. GSM only @TSG#5 2003-07-21 (Clayton): S1 have decided to scrap		
	SP-15 2002-03-25 4 . 1 . 0					<a href="#">get it</a>	<i>remarks - this release:</i> Apr2001: V3 unwithdrawn, so Rel-4 version produced. 02,94 R99 in favour of a		
	common GSM/UMTS spec, 22.094.								
<hr/>									
<b>TS 22.096</b>	<b>Name identification supplementary services; Stage 1</b>								
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> DEOL, Amar	Nortel Networks (USA)					
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version, comments):</i>								
	SP-11 2001-04-02 4 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4		
							<i>remarks - this release:</i>		
<hr/>									
<b>TS 22.097</b>	<b>Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1</b>								
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> DEOL, Amar	Nortel Networks (USA)					
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version, comments):</i>								
	SP-11 2001-04-02 4 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4		
	SP-15 2002-03-25 4 . 1 . 0					<a href="#">get it</a>	<i>remarks - this release:</i>		

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<b>TS 22.101</b>	<b>Service aspects; Service principles</b>								
Rel-4	<i>current version:</i> 4.10.0			<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> DEOL, Amar			Nortel Networks (USA)	
	<i>freeze_meeting:</i> SP-11			<i>G:</i> U: yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-08	2000-06-28	4 . 0 . 0	based on 3.9.0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-09	2000-10-18	4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> based on 3.9.0			
	SP-10	2001-01-08	4 . 2 . 0		<a href="#">get it</a>				
	SP-11	2001-04-02	4 . 3 . 0		<a href="#">get it</a>				
	SP-12	2001-06-27	4 . 4 . 0		<a href="#">get it</a>				
spelling corrections	2001-07-31		4 . 4 . 1		<a href="#">get it</a>				
	SP-13	2001-10-05	4 . 5 . 0		<a href="#">get it</a>				
	SP-15	2002-03-25	4 . 6 . 0		<a href="#">get it</a>				
	SP-20	2003-06-18	4 . 7 . 0		<a href="#">get it</a>				
	SP-21	2003-09-30	4 . 8 . 0		<a href="#">get it</a>				
	SP-22	2004-01-06	4 . 9 . 0		<a href="#">get it</a>				
	SP-23	2004-03-23	4 . 10 . 0		<a href="#">get it</a>				

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<b>TS 22.105</b>	<b>Services and service capabilities</b>								
Rel-4	<i>current version:</i> 4.3.0			<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> ZARRI, Michele			T-Mobile (UK) Ltd	
	<i>freeze_meeting:</i> SP-11			<i>G:</i> U: yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-09	2000-10-18	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-10	2001-01-08	4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-12	2001-06-27	4 . 2 . 0		<a href="#">get it</a>				
	SP-15	2002-03-25	4 . 3 . 0		<a href="#">get it</a>				

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<b>TS 22.115</b>	<b>Service Aspects Charging and billing</b>								
Rel-4	<i>current version:</i> 4.1.0			<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> SCARRONE, Enrico			TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> SP-11			<i>G:</i> yes U: yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-11	2001-04-02	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-22	2004-01-06	4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>			

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<b>TR 22.121</b>	<b>Service aspects; The Virtual Home Environment; Stage 1</b>								
Rel-4	<i>current version:</i> 4.1.1	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	ZARRI, Michele	T-Mobile (UK) Ltd			
	<i>freeze_meeting:</i> SP-11	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-04 2000-10-18	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1".			
	SP-11 2001-04-02	4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	SP-16: converted from TS to TR.			
	SP-16 2002-07-19	4 . 1 . 1	Converted from TS to TR.	<a href="#">get it</a>					
<hr/>									
<b>TS 22.127</b>	<b>Service Requirement for the Open Services Access (OSA); Stage 1</b>								
Rel-4	<i>current version:</i> 4.4.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	SWETINA, Joerg	SIEMENS AG			
	<i>freeze_meeting:</i> SP-11	G: U: yes		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	draft	0 . 1 . 0			<i>remarks - general:</i>				
	draft	0 . 2 . 0			<i>remarks - this release:</i>				
	draft	0 . 3 . 0							
	draft	0 . 4 . 0							
	draft	0 . 5 . 0							
	SP-09 2000-09-28	1 . 0 . 0		<a href="#">get it</a>					
	draft	1 . 0 . 1							
	draft	1 . 1 . 0							
	draft	1 . 1 . 0							
	draft	1 . 2 . 0							
	SP-10	2 . 0 . 0	SP-000551						
	SP-10 2001-01-12	4 . 0 . 0		<a href="#">get it</a>					
	SP-11 2001-04-02	4 . 1 . 0		<a href="#">get it</a>					
	SP-12 2001-06-27	4 . 2 . 0		<a href="#">get it</a>					
	SP-14 2002-01-10	4 . 3 . 0		<a href="#">get it</a>					
	SP-15 2002-03-28	4 . 4 . 0		<a href="#">get it</a>					
<hr/>									
<b>TS 22.129</b>	<b>Handover requirements between UTRAN and GERAN or other radio systems</b>								
Rel-4	<i>current version:</i> 4.4.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	SAMPSON, Nick	ORANGE SA			
	<i>freeze_meeting:</i> SP-11	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-09 2000-10-18	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-10 2001-01-08	4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>				
	SP-11 2001-04-02	4 . 2 . 0		<a href="#">get it</a>					
	SP-12 2001-06-27	4 . 3 . 0		<a href="#">get it</a>					
	SP-14 2002-01-10	4 . 4 . 0		<a href="#">get it</a>					

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## TS 22.135 Multicall; Service description; Stage 1

Rel-4 *current version:* 4.2.0 *WG (prime / other):* S1 / - *rapporteur:* KOKKOLA, Tommi NOKIA Corporation  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
SP-11 2001-04-02 4 . 0 . 0 [get it](#) *remarks - general:*  
SP-15 2002-03-27 4 . 1 . 0 [get it](#) *remarks - this release:*  
SP-16 4 . 2 . 0 CR010 unimplementable because written  
to wrong version. No new CR at SP-17;  
still waiting.  
SP-18 2002-12-18 4 . 2 . 0 CR010r1 implemented [get it](#)

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## TS 22.140 Multimedia Messaging Service (MMS); Stage 1

Rel-4 *current version:* 4.3.0 *WG (prime / other):* S1 / - *rapporteur:* MEYER, Juergen SIEMENS AG  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
SP-03 1999-04-23 0 . 0 . 0 [get it](#) *remarks - general:* (development in T2)  
SP-05 1999-10-08 1 . 0 . 0 [get it](#) *remarks - this release:* based on 3.0.0  
SP-06 1999-12-17 2 . 0 . 0 [get it](#)  
SP-08 4 . 0 . 0  
SP-08 2000-06-28 4 . 0 . 1 [get it](#)  
SP-11 2001-04-02 4 . 1 . 0 [get it](#)  
SP-15 2002-03-28 4 . 2 . 0 [get it](#)  
SP-18 2003-01-07 4 . 3 . 0 [get it](#)

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<b>TS 23.002</b>	<b>Network architecture</b>					
Rel-4	<i>current version:</i> 4.8.0		<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> MILINSKI, Alexander	SIEMENS AG	
	<i>freeze_meeting:</i> SP-11		G: yes U: yes	<i>MCC:</i> YOON, Sang-Ui		
	<i>history (event, available, version, comments):</i>					
	SP-09 2000-10-18	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4,CR at TSG#5	
	SP-10 2000-12-21	4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	SP-11 2001-04-06	4 . 2 . 0		<a href="#">get it</a>		
	SP-12 2001-06-29	4 . 3 . 0		<a href="#">get it</a>		
	SP-14 2002-01-07	4 . 4 . 0		<a href="#">get it</a>		
	SP-17 2002-09-24	4 . 5 . 0		<a href="#">get it</a>		
	SP-18 2003-01-10	4 . 6 . 0		<a href="#">get it</a>		
	SP-19 2003-03-27	4 . 7 . 0		<a href="#">get it</a>		
	SP-20 2003-06-20	4 . 8 . 0		<a href="#">get it</a>		

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<b>TS 23.003</b>	<b>Numbering, addressing and identification</b>					
Rel-4	<i>current version:</i> 4.8.0		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE LTD	
	<i>freeze_meeting:</i> SP-11		G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-02	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	NP-12 2001-06-27	4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	NP-13 2001-10-03	4 . 2 . 0		<a href="#">get it</a>		
	NP-14 2002-01-11	4 . 3 . 0		<a href="#">get it</a>		
	NP-16 2002-06-21	4 . 4 . 0		<a href="#">get it</a>		
	NP-17 2002-09-17	4 . 5 . 0		<a href="#">get it</a>		
	NP-20 2003-06-27	4 . 6 . 0		<a href="#">get it</a>		
	NP-21 2003-10-09	4 . 7 . 0		<a href="#">get it</a>		
	NP-22 2004-01-12	4 . 8 . 0		<a href="#">get it</a>		

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<b>TS 23.007</b>	<b>Restoration procedures</b>					
Rel-4	<i>current version:</i> 4.2.0		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE LTD	
	<i>freeze_meeting:</i> SP-11		G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-04	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	corrects 2002-06-24	4 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>	
	NP-16 2002-06-21	4 . 1 . 0		<a href="#">get it</a>		
	corrects 2002-09-24	4 . 1 . 1		<a href="#">get it</a>		
	NP-22 2004-01-12	4 . 2 . 0		<a href="#">get it</a>		

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<b>TS 23.008</b>	<b>Organisation of subscriber data</b>					
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> BAUER, Rolf	ALCATEL SEL AG		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-03-28 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-12 2001-06-27 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	NP-16 2002-06-21 4 . 2 . 0	<a href="#">get it</a>				
	NP-20 2003-06-27 4 . 3 . 0	<a href="#">get it</a>				

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<b>TS 23.009</b>	<b>Handover procedures</b>					
Rel-4	<i>current version:</i> 4.9.0	<i>WG (prime / other):</i> N1 / N4	<i>rapporteur:</i> FARHOUMAND, Rouzbeh	Ericsson Incorporated		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-11 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-12 2001-07-06 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	NP-13 2001-10-05 4 . 2 . 0	<a href="#">get it</a>				
	NP-14 2002-01-08 4 . 3 . 0	<a href="#">get it</a>				
	NP-16 2002-06-20 4 . 4 . 0	<a href="#">get it</a>				
	NP-17 2002-09-17 4 . 5 . 0	<a href="#">get it</a>				
	NP-18 2003-01-02 4 . 6 . 0	<a href="#">get it</a>				
	NP-19 2003-03-24 4 . 7 . 0	<a href="#">get it</a>				
	NP-20 2003-06-27 4 . 8 . 0	<a href="#">get it</a>				
	NP-22 2004-01-05 4 . 9 . 0	<a href="#">get it</a>				

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<b>TS 23.011</b>	<b>Technical realization of Supplementary Services</b>					
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> CONRAD, Alan	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	corrects 2002-06-24 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			

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<b>TS 23.012</b>	<b>Location management procedures</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			

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<b>TS 23.014</b>	<b>Support of Dual Tone Multi Frequency (DTMF) signalling</b>				
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> ZAUS, Robert	SIEMENS AG	
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>				
	NP-11 2001-04-11 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Should not be in UMTS ????	
	NP-17 2002-09-17 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
<hr/>					
<b>TS 23.015</b>	<b>Technical realization of Operator Determined Barring (ODB)</b>				
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David	VODAFONE LTD	
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> Chalmers KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>				
	NP-11 2001-04-02 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	corrects 2002-06-24 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>		
<hr/>					
<b>TS 23.016</b>	<b>Subscriber data management; Stage 2</b>				
Rel-4	<i>current version:</i> 4.4.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>				
	NP-11 2001-03-30 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-15 2002-03-28 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-16 2002-06-21 4 . 2 . 0	<a href="#">get it</a>			
	NP-17 2002-09-17 4 . 3 . 0	<a href="#">get it</a>			
	NP-23 2004-03-23 4 . 4 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 23.018</b>	<b>Basic Call Handling; Technical realization</b>				
Rel-4	<i>current version:</i> 4.7.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David	VODAFONE LTD	
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> Chalmers KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>				
	NP-09 2000-10-25 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-10 2000-12-21 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-11 2001-04-06 4 . 2 . 0	<a href="#">get it</a>			
	NP-12 2001-06-27 4 . 3 . 0	<a href="#">get it</a>			
	NP-13 2001-10-03 4 . 4 . 0	<a href="#">get it</a>			
	NP-14 2002-01-16 4 . 5 . 0	<a href="#">get it</a>			
	NP-15 2002-03-28 4 . 6 . 0	<a href="#">get it</a>			
	NP-19 2003-04-04 4 . 7 . 0	<a href="#">get it</a>			

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<b>TS 23.031</b>	<b>Fraud Information Gathering System (FIGS); Service description; Stage 2</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WRIGHT, Tim	Indicate persons who left Company and wait for new One		
	<i>freeze_meeting:</i> SP-18	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> POPE, Maurice			
<i>history (event, available, version, comments):</i>						
	SP-18	2003-01-06	4 . 0 . 0	Technically identical to 43.031 v4.0.0	<a href="#">get it</a>	<i>remarks - general:</i> SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 & Rel-5 -> <i>remarks - this release:</i> Created from 43.031 Rel-4. 23.031.
<hr/>						
<b>TS 23.032</b>	<b>Universal Geographical Area Description (GAD)</b>					
Rel-4	<i>current version:</i> 4.1.1	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> HIETALAHTI, Hannu	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> YOON, Sang-Ui			
<i>history (event, available, version, comments):</i>						
	SP-11	2001-04-11	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> S2 responsibility?
	SP-18	2003-01-07	4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>
	edito post SP-18 to correct figures	2003-01-10	4 . 1 . 1		<a href="#">get it</a>	
<hr/>						
<b>TS 23.034</b>	<b>High Speed Circuit Switched Data (HSCSD); Stage 2</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i>			
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> JORGENSEN, Per Johan			
<i>history (event, available, version, comments):</i>						
	NP-11	2001-04-11	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>
<hr/>						
<b>TS 23.035</b>	<b>Immediate Service Termination (IST); Stage 2</b>					
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WRIGHT, Tim	Indicate persons who left Company and wait for new One		
	<i>freeze_meeting:</i> SP-16	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> POPE, Maurice			
<i>history (event, available, version, comments):</i>						
	SP-16	2002-06-24	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> SP-16: created to take over from 03.35 (R99) and 43.035 (Rel-4 onwards).
	SP-17	2002-09-18	4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> SP-16: takes over from 43.035 Rel-4

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## TS 23.038 Alphabets and language-specific information

Rel-4 *current version:* 4.4.0 *WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*freeze\_meeting:* SP-11 *G: yes U: yes* *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*

TP-08	2000-06-23	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
TP-10	2001-01-03	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> based on 3.3.0
TP-11	2001-03-29	4	.	2	.	0	<a href="#">get it</a>
TP-13	2001-10-03	4	.	3	.	0	<a href="#">get it</a>
TP-14	2002-01-11	4	.	4	.	0	<a href="#">get it</a>

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## TR 23.039 Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)

Rel-4 *current version:* 4.0.0 *WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*freeze\_meeting:* SP-11 *G: yes U: yes* *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*

TP-11	2001-04-02	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i>
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## TS 23.040 Technical realization of Short Message Service (SMS)

Rel-4 *current version:* 4.8.0 *WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*freeze\_meeting:* SP-11 *G: yes U: yes* *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*

TP-08	2000-06-23	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> 2003-12-03: Note that this spec also contains stage 3.
TP-09	2000-10-11	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
TP-11	2001-03-29	4	.	2	.	0	<a href="#">get it</a>
TP-12	2001-07-02	4	.	3	.	0	<a href="#">get it</a>
TP-13	2001-10-03	4	.	4	.	0	<a href="#">get it</a>
TP-14	2002-01-11	4	.	5	.	0	<a href="#">get it</a>
TP-15	2002-03-21	4	.	6	.	0	<a href="#">get it</a>
TP-16	2002-06-25	4	.	7	.	0	<a href="#">get it</a>
TP-20	2003-06-26	4	.	8	.	0	<a href="#">get it</a>

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<b>TS 23.041</b>	<b>Technical realization of Cell Broadcast Service (CBS)</b>					
Rel-4	<i>current version:</i> 4.4.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Research In Motion Limited		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> RODERMUND, Friedhelm			
	<i>history (event, available, version, comments):</i>					
	TP-11 2001-04-06 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4		
	TP-12 2001-07-04 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	TP-14 2002-01-11 4 . 2 . 0	<a href="#">get it</a>				
	TP-16 2002-07-02 4 . 3 . 0	<a href="#">get it</a>				
	TP-19 2003-03-24 4 . 4 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 23.042</b>	<b>Compression algorithm for SMS</b>					
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Research In Motion Limited		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> RODERMUND, Friedhelm			
	<i>history (event, available, version, comments):</i>					
	TP-11 2001-04-06 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	include test vector file 2001-10-17 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>						
<b>TS 23.048</b>	<b>Security mechanisms for the (U)SIM application toolkit; Stage 2</b>					
Rel-4	<i>current version:</i> 4.4.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> BARNES, Nigel	MOTOROLA Ltd		
	<i>freeze_meeting:</i> TP-12	G: yes U: yes	<i>MCC:</i> JURISIC, Andrijana			
	<i>history (event, available, version, comments):</i>					
	TP-12 2001-07-06 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	TP-12: replaces 43.048. TP-15: For test spec, see 31.048,		
	TP-13 2001-10-12 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	.		
	TP-14 2002-01-17 4 . 2 . 0	<a href="#">get it</a>				
	TP-15 2002-03-28 4 . 3 . 0	<a href="#">get it</a>				
	TP-19 2003-03-26 4 . 4 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 23.053</b>	<b>Tandem Free Operation (TFO); Service description; Stage 2</b>					
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> S4 / S2	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-05 1999-10-13 0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	No draft.		
	SP-11 2001-03-29 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	edito 2001-10-01 4 . 0 . 1	<a href="#">get it</a>				

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**TS 23.057 Mobile Execution Environment (MExE); Functional description; Stage 2**

Rel-4 *current version:* 4.5.0 *WG (prime / other):* T2 / - *rapporteur:* BRENK, Lars TTP Communications plc  
*freeze\_meeting:* SP-11 *G: yes U: yes* *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*

TP-10	2000-12-22	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Apr-2001: " Station Application" removed from title.
TP-11	2001-04-11	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
TP-12	2001-07-05	4 . 2 . 0	<a href="#">get it</a>	
TP-13	2001-10-05	4 . 3 . 0	<a href="#">get it</a>	
include fig 5	2001-10-18	4 . 3 . 1	<a href="#">get it</a>	
TP-14	2002-01-16	4 . 4 . 0	<a href="#">get it</a>	
TP-15	2002-03-25	4 . 5 . 0	<a href="#">get it</a>	

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**TS 23.060 General Packet Radio Service (GPRS); Service description; Stage 2**

Rel-4 *current version:* 4.9.0 *WG (prime / other):* S2 / - *rapporteur:* KUCHIBHOTLA, Ravi MOTOROLA Ltd  
*freeze\_meeting:* SP-11 *G: yes U: yes* *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

SP-11	2001-04-06	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4
SP-12	2001-06-29	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
SP-13	2001-10-12	4 . 2 . 0	<a href="#">get it</a>	
SP-14	2002-01-08	4 . 3 . 0	<a href="#">get it</a>	
edito		4 . 3 . 1		
SP-15	2002-04-05	4 . 4 . 0	<a href="#">get it</a>	
SP-16	2002-06-17	4 . 5 . 0	<a href="#">get it</a>	
SP-17	2002-10-02	4 . 6 . 0	<a href="#">get it</a>	
SP-18	2003-01-10	4 . 7 . 0	<a href="#">get it</a>	
SP-20	2003-06-20	4 . 8 . 0	<a href="#">get it</a>	
SP-22	2004-01-06	4 . 9 . 0	<a href="#">get it</a>	

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**TS 23.066 Support of GSM Mobile Number Portability (MNP) stage 2**

Rel-4 *current version:* 4.0.1 *WG (prime / other):* N4 / - *rapporteur:* LOPEZ SORIA, Luis Telefon AB LM Ericsson  
*freeze\_meeting:* SP-11 *G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

NP-11	2001-04-04	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4, CR at TSG#5
corrects	2002-06-24	4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>

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<b>TS 23.067</b>	<b>Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2</b>						
Rel-4	<i>current version:</i> 4.1.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> SCHMITT, Peter	SIEMENS AG			
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>						
	NP-10 2000-12-21	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-12 2001-06-27	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	corrects 2002-06-24	4 . 1 . 1	<a href="#">get it</a>				
<hr/>							
<b>TS 23.072</b>	<b>Call Deflection Supplementary Service; Stage 2</b>						
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> CONRAD, Alan	T-MOBILE DEUTSCHLAND			
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>						
	NP-11 2001-04-04	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	corrects 2002-06-24	4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>							
<b>TS 23.078</b>	<b>customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2</b>						
Rel-4	<i>current version:</i> 4.11.1	<i>WG (prime / other):</i> N2 / -	<i>rapporteur:</i> HOMANN, Christian	ALCATEL SEL AG			
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> JURISIC, Andrijana				
	<i>history (event, available, version, comments):</i>						
	NP-11 2001-04-02	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> CR at TSG#4,CR at TSG#5			
	NP-12 2001-06-29	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> Phase 3.			
	NP-13 2001-10-03	4 . 2 . 0	<a href="#">get it</a>				
	NP-14 2002-01-04	4 . 3 . 0	<a href="#">get it</a>				
	NP-15 2002-03-19	4 . 4 . 0	<a href="#">get it</a>				
	NP-16 2002-06-17	4 . 5 . 0	<a href="#">get it</a>				
	post NP-16 edito 2002-06-19	4 . 5 . 1	<a href="#">get it</a>				
	NP-17 2002-09-17	4 . 6 . 0	<a href="#">get it</a>				
	editorial correction 2002-11-14	4 . 6 . 1	<a href="#">get it</a>	minor correction, no need for SDO publication			
	to cover page						
	NP-18 2002-12-18	4 . 7 . 0	<a href="#">get it</a>				
	NP-19 2003-03-25	4 . 8 . 0	<a href="#">get it</a>				
	NP-20 2003-06-23	4 . 9 . 0	<a href="#">get it</a>				
	NP-21 2003-09-29	4 . 10 . 0	<a href="#">get it</a>				
	NP-23 2004-03-25	4 . 11 . 0	<a href="#">get it</a>				
	editorial post NP-23 2004-04-21	4 . 11 . 1	<a href="#">get it</a>	typo on cover page			

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<b>TS 23.079</b>	<b>Support of Optimal Routeing (SOR); Technical realization; Stage 2</b>					
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David	VODAFONE LTD		
	<i>freeze_meeting:</i> SP-11		Chalmers			
		<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> CR at TSG#4,CR at TSG#5			
	NP-16 2002-06-21 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	NP-18 2003-01-07 4 . 2 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 23.081</b>	<b>Line Identification supplementary services; Stage 2</b>					
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-17 2002-09-17 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>						
<b>TS 23.082</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 2</b>					
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-12 2001-06-27 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	NP-13 2001-10-03 4 . 2 . 0	<a href="#">get it</a>				
	NP-16 2002-06-21 4 . 3 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 23.083</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2</b>					
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE LTD		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-09 2000-10-26 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-11 2001-03-30 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	inclusion of missed CR	<a href="#">get it</a>				
	NP-14 2002-01-10 4 . 3 . 0	<a href="#">get it</a>				

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<b>TS 23.084</b>	<b>MultiParty (MPty) Supplementary Service; Stage 2</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE LTD		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-03-30 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>
<hr/>						
<b>TS 23.085</b>	<b>Closed User Group (CUG) Supplementary Service; Stage 2</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-04 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>
<hr/>						
<b>TS 23.086</b>	<b>Advice of Charge (AoC) Supplementary Service; Stage 2</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-04 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>
<hr/>						
<b>TS 23.087</b>	<b>User-to-User Signalling (UUS) supplementary service; Stage 2</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-04 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>
<hr/>						
<b>TS 23.088</b>	<b>Call Barring (CB) Supplementary Service; Stage 2</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-04 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>

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<b>TS 23.090</b>	<b>Unstructured Supplementary Service Data (USSD); Stage 2</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> CROOK, Mick	ORANGE PCS LTD		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-04 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>
<hr/>						
<b>TS 23.091</b>	<b>Explicit Call Transfer (ECT) Supplementary Service; Stage 2</b>					
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-03-30 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
	NP-17 2002-09-17 4 . 1 . 0				<a href="#">get it</a>	<i>remarks - this release:</i>
<hr/>						
<b>TS 23.093</b>	<b>Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-04 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>
<hr/>						
<b>TS 23.094</b>	<b>Follow Me Stage 2</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-04 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4. GSM only @TSG#5 <i>remarks - this release:</i>
<hr/>						
<b>TS 23.096</b>	<b>Name Identification Supplementary Service; Stage 2</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-04 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>

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<b>TS 23.097</b>	<b>Multiple Subscriber Profile (MSP) Phase 1; Stage 2</b>								
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE LTD					
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo						
	<i>history (event, available, version, comments):</i>								
	NP-11 2001-04-04 4 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4,CR at TSG#5		
							<i>remarks - this release:</i>		
<hr/>									
<b>TS 23.101</b>	<b>General UMTS Architecture</b>								
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> OLSSON, Magnus	Telefon AB LM Ericsson					
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> YOON, Sang-Ui						
	<i>history (event, available, version, comments):</i>								
	SP-11 2001-04-11 4 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i>		
							<i>remarks - this release:</i>		
<hr/>									
<b>TS 23.107</b>	<b>Quality of Service (QoS) concept and architecture</b>								
Rel-4	<i>current version:</i> 4.6.0	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> RINNE, Janne	NOKIA Corporation					
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> YOON, Sang-Ui						
	<i>history (event, available, version, comments):</i>								
	SP-10 2000-12-22 4 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i> was 23.907		
	SP-12 2001-06-29 4 . 1 . 0					<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-13 2001-10-12 4 . 2 . 0					<a href="#">get it</a>			
	SP-14 2002-01-07 4 . 3 . 0					<a href="#">get it</a>			
	SP-15 2002-04-07 4 . 4 . 0					<a href="#">get it</a>			
	SP-17 2002-09-24 4 . 5 . 0					<a href="#">get it</a>			
	SP-18 2003-01-10 4 . 6 . 0					<a href="#">get it</a>			
<hr/>									
<b>TS 23.108</b>	<b>Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)</b>								
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> DOIG, Ian	MOTOROLA S.A.S					
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> JORGENSEN, Per Johan						
	<i>history (event, available, version, comments):</i>								
	NP-11 2001-04-11 4 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i> This is clause 7 from 04.08 ex R98.		
	post NP-16 2002-06-28 4 . 0 . 1					<a href="#">get it</a>	<i>remarks - this release:</i> 2002-02-26: Hietalahti proposes to withdraw, no further interest, unmaintained. 2002-04-15: N1-23 decision to continue to Rel-5. 2002-06-27: (Jorgensen) if R99 and Rel-5 exist, so musts Rel-4, so re-instated.		
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<b>TS 23.110</b>	<b>UMTS Access Stratum Services and Functions</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> LOPEZ-TORRES, Oscar	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> YOON, Sang-Ui			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-11 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			
<hr/>						
<b>TS 23.116</b>	<b>Super-Charger technical realization; Stage 2</b>					
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> ALLEN, Nicholas	Indicate persons who left Company and wait for new One		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> New after TSG#5			
	NP-12 2001-06-27 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	NP-14 2002-01-10 4 . 2 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 23.119</b>	<b>Gateway Location Register (GLR); Stage2</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> SAWADA, Masahiro	NTT DoCoMo Inc.		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> New after TSG#5			
			<i>remarks - this release:</i>			
<hr/>						
<b>TS 23.122</b>	<b>Non-Access-Stratum functions related to Mobile Station (MS) in idle mode</b>					
Rel-4	<i>current version:</i> 4.4.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> HIETALAHTI, Hannu	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-11 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> 2004-02-26: Added to the list of specs in 01.01 / 41.101 following MCC review of R98			
	NP-12 2001-07-05 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> features.			
	NP-17 2002-09-17 4 . 2 . 0	<a href="#">get it</a>				
	NP-18 2002-12-18 4 . 3 . 0	<a href="#">get it</a>				
	NP-21 2003-10-10 4 . 4 . 0	<a href="#">get it</a>				

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<b>TS 23.127</b>	<b>Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2</b>								
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> GOURRAUD, Christophe	ERICSSON RESEARCH CANADA					
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> YOON, Sang-Ui						
	<i>history (event, available, version, comments):</i>								
	SP-09 2000-11-06 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Sept 00: "Open Service Architecture" removed from title.					
	SP-11 2001-04-06 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>						
	SP-12 2001-06-29 4 . 2 . 0	<a href="#">get it</a>							
	SP-15 2002-04-05 4 . 3 . 0	<a href="#">get it</a>							
<hr/>									
<b>TS 23.135</b>	<b>Multicall supplementary service; Stage 2</b>								
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> MITAMURA, Kazuo	NTT COMWARE Corporation					
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> KYMALAINEN, Kimmo						
	<i>history (event, available, version, comments):</i>								
	NP-09 2000-10-25 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>						
			<i>remarks - this release:</i>						
<hr/>									
<b>TS 23.140</b>	<b>Multimedia Messaging Service (MMS); Functional description; Stage 2</b>								
Rel-4	<i>current version:</i> 4.10.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> LAUMEN, Josef	INFINEON TECHNOLOGIES					
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> RODERMUND, Friedhelm						
	<i>history (event, available, version, comments):</i>								
	TP-09 2000-10-06 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	2003-12-03: Note that this spec also contains stage 3.					
	TP-10 2000-12-21 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>						
	TP-11 2001-03-29 4 . 2 . 0	<a href="#">get it</a>							
	TP-12 2001-07-03 4 . 3 . 0	<a href="#">get it</a>							
	TP-13 2001-10-05 4 . 4 . 0	<a href="#">get it</a>							
	TP-14 2002-01-11 4 . 5 . 0	<a href="#">get it</a>							
	TP-15 2002-03-21 4 . 6 . 0	<a href="#">get it</a>							
	TP-16 2002-06-25 4 . 7 . 0	<a href="#">get it</a>							
	TP-17 2002-09-23 4 . 8 . 0	<a href="#">get it</a>							
	TP-19 2003-03-31 4 . 9 . 0	<a href="#">get it</a>							
	TP-20 2003-06-24 4 . 10 . 0	<a href="#">get it</a>							

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## TS 23.146 Technical realization of facsimile Group 3 service - non-transparent

Rel-4 *current version:* 4.1.0 *WG (prime / other):* N3 / - *rapporteur:* HAGIWARA, Junichiro NTT DoCoMo Inc.  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* BOSWARTHICK, David

*history (event, available, version, comments):*

NP-06	1999-12-17	1	0	0	<a href="#">get it</a> <i>remarks - general:</i>
NP-07	2000-03-17	1	1	0	<a href="#">get it</a> <i>remarks - this release:</i> New @ TSG#6, Circuit switched type of Real time Non transparent FAX specification. TSG#7:1.1.0 "but not stable enough to be made available!"
N3-10	2000-05-25	2	0	0	<a href="#">get it</a>
NP-08	2000-06-23	4	0	0	<a href="#">get it</a>
NP-09	2000-10-12	4	1	0	<a href="#">get it</a>

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## TS 23.153 Out of Band Transcoder Control; Stage 2

Rel-4 *current version:* 4.9.0 *WG (prime / other):* N4 / - *rapporteur:* HODGES, Phil Telefon AB LM Ericsson  
*freeze\_meeting:* SP-10 *G:* *U:* yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

draft	2000-01-14	1	0	0	<a href="#">get it</a> <i>remarks - general:</i> New after TSG#5
NP-07	2000-11-21	2	0	0	<a href="#">get it</a> <i>remarks - this release:</i> argument in SA over r99 or r00] concl: not approved
NP-10		2	3	0	NP-000653
NP-10	2001-01-09	4	0	0	<a href="#">get it</a>
NP-11	2001-04-04	4	1	0	<a href="#">get it</a>
NP-12	2001-06-27	4	2	0	<a href="#">get it</a>
NP-13	2001-10-03	4	3	0	<a href="#">get it</a>
NP-14	2002-01-10	4	4	0	<a href="#">get it</a>
NP-17	2002-09-18	4	5	0	<a href="#">get it</a>
NP-18	2003-01-09	4	6	0	<a href="#">get it</a>
NP-19	2003-04-04	4	7	0	<a href="#">get it</a>
NP-20	2003-06-27	4	8	0	<a href="#">get it</a>
NP-21	2003-10-09	4	9	0	<a href="#">get it</a>

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Server location: [http://www.3gpp.org/ftp/Specs/archive/23\\_series](http://www.3gpp.org/ftp/Specs/archive/23_series)

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## TS 23.205 Bearer-independent circuit-switched core network; Stage 2

Rel-4 *current version:* 4.7.0 *WG (prime / other):* N4 / - *rapporteur:* HODGES, Phil Telefon AB LM Ericsson  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

NP-10	2001-01-12	1	.	0	.	1	N4-001104	<a href="#">get it</a>	<i>remarks - general:</i> 2000-10: Rap change from Keutmann.
NP-11	2001-03-30	4	.	0	.	0		<a href="#">get it</a>	<i>remarks - this release:</i>
NP-12	2001-07-06	4	.	1	.	0		<a href="#">get it</a>	
NP-13	2001-10-03	4	.	2	.	0		<a href="#">get it</a>	
NP-14	2002-01-10	4	.	3	.	0		<a href="#">get it</a>	
NP-15	2002-03-28	4	.	4	.	0		<a href="#">get it</a>	
NP-16	2002-06-21	4	.	5	.	0		<a href="#">get it</a>	
NP-17	2002-09-18	4	.	6	.	0		<a href="#">get it</a>	
NP-20	2003-06-27	4	.	7	.	0		<a href="#">get it</a>	

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## TS 23.221 Architectural requirements

Rel-4 *current version:* 4.2.0 *WG (prime / other):* S2 / - *rapporteur:* DANIEL, Elizabeth Lucent Technologies Network Systems UK  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

draft	2000-11-07	0	.	0	.	5		<a href="#">get it</a>	<i>remarks - general:</i> Derived from R99-specific 23.121
SP-10	2001-01-31	1	.	0	.	0	SP-000595	<a href="#">get it</a>	<i>remarks - this release:</i>
draft	2001-02-01	1	.	1	.	0		<a href="#">get it</a>	
SP-11	2001-04-06	4	.	0	.	0		<a href="#">get it</a>	
SP-12	2001-07-02	4	.	1	.	0		<a href="#">get it</a>	
SP-16	2002-06-18	4	.	2	.	0		<a href="#">get it</a>	

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## TS 23.227 Application and user interaction in the UE; Principles and specific requirements

Rel-4 *current version:* 4.2.0 *WG (prime / other):* T2 / - *rapporteur:* TOMÉ, Olga Telefon AB LM Ericsson  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*

draft	2000-09-06	0	.	1	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
TP-11	2001-04-02	4	.	0	.	0		<a href="#">get it</a>	<i>remarks - this release:</i>
TP-14	2002-01-11	4	.	1	.	0		<a href="#">get it</a>	
TP-15	2002-03-26	4	.	2	.	0		<a href="#">get it</a>	

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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**TS 23.271 Location Services (LCS); Functional description; Stage 2**

Rel-4 *current version:* 4.11.0

*freeze\_meeting:* SP-11

*WG (prime / other):* S2 / - *rapporteur:* WONG, Gavin VODAFONE Group Plc

*G:* yes *U:* yes *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

draft 2000-07-10 0 . 1 . 0

draft 2000-09-14 0 . 2 . 0

SP-09 2000-11-09 1 . 0 . 0

draft 2000-11-22 1 . 1 . 0

SP-10 2001-02-27 4 . 0 . 0 SP-000596

SP-11 2001-04-11 4 . 1 . 0

SP-12 2001-07-02 4 . 2 . 0

SP-13 2001-10-15 4 . 3 . 0

SP-14 2002-01-07 4 . 4 . 0

SP-15 2002-03-29 4 . 5 . 0

SP-16 2002-06-18 4 . 6 . 0

SP-17 2002-09-24 4 . 7 . 0

SP-18 2003-01-09 4 . 8 . 0

SP-20 2003-06-23 4 . 9 . 0

SP-21 2003-10-02 4 . 10 . 0

SP-23 2004-04-01 4 . 11 . 0

[get it](#)

*remarks - general:* post-TSG#8: Recombined 2G and 3G spec for R00 onwards.

[get it](#)

*remarks - this release:* post-TSG#8: Recombined Rel99 2G and 3G specs (respectively 03.71 and 23.171).

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**TR 23.873 Feasibility study for transport and control separation in the PS CN domain**

Rel-4 *current version:* 4.0.0

*freeze\_meeting:* SP-11

*WG (prime / other):* S2 / - *rapporteur:* IBANEZ, Juan-Antonio Telefon AB LM Ericsson

*G:* *U:* yes *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

draft 2000-09-12 0 . 2 . 0

draft 2000-11-08 0 . 3 . 0

draft 2000-11-20 0 . 4 . 0

SP-10 2001-01-31 1 . 0 . 0

draft 2000-12-30 1 . 1 . 0

SP-11 2001-04-11 4 . 0 . 0

[get it](#)

*remarks - general:*

[get it](#)

*remarks - this release:*

[get it](#)

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<b>TR 23.908</b>	<b>Technical report on Pre-Paging</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			
<hr/>						
<b>TR 23.909</b>	<b>Technical report on the Gateway Location Register</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David	VODAFONE LTD		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> Chalmers KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			
<hr/>						
<b>TR 23.910</b>	<b>Circuit switched data bearer services</b>					
Rel-4	<i>current version:</i> 4.8.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> HUSLENDE, Ragnar	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version, comments):</i>					
	NP-09 2000-10-18 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> 03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)			
	edito 2000-10-24 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	NP-10 2000-12-22 4 . 1 . 0	<a href="#">get it</a>				
	NP-11 2001-04-06 4 . 2 . 0	<a href="#">get it</a>				
	NP-12 2001-06-28 4 . 3 . 0	<a href="#">get it</a>				
	NP-14 2002-01-11 4 . 4 . 0	<a href="#">get it</a>				
	NP-17 2002-09-17 4 . 5 . 0	<a href="#">get it</a>				
	NP-18 2003-01-06 4 . 6 . 0	<a href="#">get it</a>				
	NP-19 2003-03-27 4 . 7 . 0	<a href="#">get it</a>				
	NP-21 2003-10-01 4 . 8 . 0	<a href="#">get it</a>				
<hr/>						
<b>TR 23.911</b>	<b>Technical report on Out-of-band transcoder control</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			

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**TR 23.912 Technical report on Super-Charger**  
Rel-4 *current version:* 4.1.0 *WG (prime / other):* N4 / - *rapporteur:* SHARP, Iain NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
NP-11 2001-04-04 4 . 0 . 0 [get it](#) *remarks - general:*  
NP-14 2002-01-10 4 . 1 . 0 [get it](#) *remarks - this release:*

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**TR 23.930 Iu Principles**  
Rel-4 *current version:* 4.0.0 *WG (prime / other):* S2 / - *rapporteur:* AXERUD, Bo NOKIA TELECOMMUNICATIONS FINLAND  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* YOON, Sang-Ui  
*history (event, available, version, comments):*  
SP-11 2001-04-11 4 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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Rel-4 **24** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/24\\_series](http://www.3gpp.org/ftp/Specs/archive/24_series)

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**TS 24.002 GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration**  
Rel-4 *current version:* 4.1.1 *WG (prime / other):* N1 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* Skov JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
NP-11 2001-04-06 4 . 0 . 0 [get it](#) *remarks - general:*  
NP-19 2003-03-24 4 . 1 . 0 [get it](#) *remarks - this release:*  
correction of typo 2003-06-02 4 . 1 . 1 [get it](#)  
on cover page

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**TS 24.007 Mobile radio interface signalling layer 3; General Aspects**  
Rel-4 *current version:* 4.2.0 *WG (prime / other):* N1 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
NP-11 2001-04-11 4 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4,CR at TSG#5  
NP-14 2002-01-04 4 . 1 . 0 [get it](#) *remarks - this release:*  
NP-16 2002-06-24 4 . 2 . 0 [get it](#)

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ACTIVE specs Rel-4 24 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/24\\_series](http://www.3gpp.org/ftp/Specs/archive/24_series)

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## TS 24.008 Mobile radio interface Layer 3 specification; Core network protocols; Stage 3

Rel-4 *current version:* 4.13.0 *WG (prime / other):* N1 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* SP-11 *G: yes U: yes* *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*

NP-09	2000-10-12	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
NP-10	2001-01-03	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
edito	2001-01-09	4 . 1 . 1	<a href="#">get it</a>	
NP-11	2001-04-06	4 . 2 . 0	<a href="#">get it</a>	
edito	2001-07-06	4 . 2 . 1	<a href="#">get it</a>	replaces missing section of table
NP-12	2001-07-13	4 . 3 . 0	<a href="#">get it</a>	
NP-13	2001-10-04	4 . 4 . 0	<a href="#">get it</a>	
NP-14	2002-01-09	4 . 5 . 0	<a href="#">get it</a>	
NP-15	2002-03-21	4 . 6 . 0	<a href="#">get it</a>	
NP-16	2002-06-24	4 . 7 . 0	<a href="#">get it</a>	
NP-17	2002-09-17	4 . 8 . 0	<a href="#">get it</a>	
NP-18	2002-12-18	4 . 9 . 0	<a href="#">get it</a>	
NP-19	2003-03-24	4 . 10 . 0	<a href="#">get it</a>	
NP-20	2003-06-27	4 . 11 . 0	<a href="#">get it</a>	
NP-21	2003-10-10	4 . 12 . 0	<a href="#">get it</a>	
NP-23	2004-03-22	4 . 13 . 0	<a href="#">get it</a>	

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## TS 24.010 Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects

Rel-4 *current version:* 4.2.0 *WG (prime / other):* N4 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* SP-11 *G: yes U: yes* *MCC:* Skov KYMALAINEN, Kimmo

*history (event, available, version, comments):*

NP-11	2001-03-30	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
NP-13	2001-10-03	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
NP-14	2002-01-10	4 . 2 . 0	<a href="#">get it</a>	

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<b>TS 24.011</b>	<b>Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface</b>								
Rel-4	<i>current version:</i> 4.1.1	<i>WG (prime / other):</i> N1 / T2	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S					
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	MCC:	Skov	JORGENSEN, Per Johan				
	<i>history (event, available, version, comments):</i>								
	NP-11 2001-04-06	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4				
	NP-15 2002-03-19	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					
	fix headers, 2002-06-28	4 . 1 . 1	<a href="#">get it</a>						
	restore missing figure								
<hr/>									
<b>TS 24.022</b>	<b>Radio Link Protocol (RLP) for circuit switched bearer and teleservices</b>								
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> KLEHN, Norbert	SIEMENS AG					
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	MCC:	BOSWARTHICK, David					
	<i>history (event, available, version, comments):</i>								
	NP-11 2001-04-06	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link				
	NP-20 2003-06-23	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the				
					Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface".				
<hr/>									
<b>TS 24.030</b>	<b>Location Services (LCS); Supplementary service operations; Stage 3</b>								
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)					
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	MCC:	KYMALAINEN, Kimmo					
	<i>history (event, available, version, comments):</i>								
	NP-11 2001-03-30	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	TSG#7: txfrd from SMG to 3GPP for R99.				
	NP-12 2001-06-27	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					
	NP-14 2002-01-10	4 . 2 . 0	<a href="#">get it</a>						
<hr/>									
<b>TS 24.067</b>	<b>Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3</b>								
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> SCHMITT, Peter	SIEMENS AG					
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	MCC:	KYMALAINEN, Kimmo					
	<i>history (event, available, version, comments):</i>								
	NP-11 2001-04-04	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
	NP-12 2001-06-27	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					

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<b>TS 24.072</b>	<b>Call Deflection Supplementary Service; Stage 3</b>					
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	corrects 2002-06-24 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
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<b>TS 24.080</b>	<b>Mobile radio Layer 3 supplementary service specification; Formats and coding</b>					
Rel-4	<i>current version:</i> 4.3.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
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	NP-12 2001-07-04 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	NP-14 2002-01-10 4 . 2 . 0	<a href="#">get it</a>				
	NP-16 2002-06-21 4 . 3 . 0	<a href="#">get it</a>				
	editorial 2003-10-09 4 . 3 . 1	<a href="#">get it</a>				
<hr/>						
<b>TS 24.081</b>	<b>Line Identification Supplementary Service; Stage 3</b>					
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	corrects 2002-06-24 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>						
<b>TS 24.082</b>	<b>Call Forwarding supplementary service; Stage 3</b>					
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	correct references 2002-06-25 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>						
<b>TS 24.083</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3</b>					
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE LTD		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	correct references 2002-06-25 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			

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<b>TS 24.084</b>	<b>MultiParty (MPTY) Supplementary Service; Stage 3</b>						
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE LTD			
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>						
	NP-11 2001-04-04 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>	
	correct references 2002-06-25 4 . 0 . 1				<a href="#">get it</a>	<i>remarks - this release:</i>	
<hr/>							
<b>TS 24.085</b>	<b>Closed User Group (CUG) Supplementary Service; Stage 3</b>						
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software			
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>						
	NP-11 2001-04-04 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>	
	correct references 2002-06-25 4 . 0 . 1				<a href="#">get it</a>	<i>remarks - this release:</i>	
<hr/>							
<b>TS 24.086</b>	<b>Advice of Charge (AoC) Supplementary Service; Stage 3</b>						
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software			
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>						
	NP-11 2001-04-04 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>	
	correct references 2002-06-25 4 . 0 . 1				<a href="#">get it</a>	<i>remarks - this release:</i>	
<hr/>							
<b>TS 24.087</b>	<b>User-to-User Signalling (UUS); Stage 3</b>						
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software			
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>						
	NP-11 2001-04-04 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>	
	correct references 2002-06-25 4 . 0 . 1				<a href="#">get it</a>	<i>remarks - this release:</i>	
<hr/>							
<b>TS 24.088</b>	<b>Call Barring (CB) Supplementary Service; Stage 3</b>						
Rel-4	<i>current version:</i> 4.0.2	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software			
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>						
	NP-11 2001-04-04 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>	
	correct references 2002-06-25 4 . 0 . 1				<a href="#">get it</a>	<i>remarks - this release:</i>	
	correct history box 2002-07-23 4 . 0 . 2				<a href="#">get it</a>		

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs Rel-4 24 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/24\\_series](http://www.3gpp.org/ftp/Specs/archive/24_series)

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**TS 24.090 Unstructured Supplementary Service Data (USSD); Stage 3**

Rel-4 *current version:* 4.0.1  
*freeze\_meeting:* SP-11  
*history (event, available, version, comments):*  
NP-11 2001-04-04 4 . 0 . 0  
correct references 2002-06-25 4 . 0 . 1

*WG (prime / other):* N4 / - *rapporteur:* BRUSS, Jörg ERICSSON Eurolab Deutschland GmbH  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*

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**TS 24.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 3**

Rel-4 *current version:* 4.0.1  
*freeze\_meeting:* SP-11  
*history (event, available, version, comments):*  
NP-11 2001-04-04 4 . 0 . 0  
correct references 2002-06-25 4 . 0 . 1

*WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*

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**TS 24.093 Call Completion to Busy Subscriber (CCBS); Stage 3**

Rel-4 *current version:* 4.0.1  
*freeze\_meeting:* SP-11  
*history (event, available, version, comments):*  
NP-11 2001-04-04 4 . 0 . 0  
correct references 2002-06-25 4 . 0 . 1

*WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*

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**TS 24.096 Name Identification Supplementary Service; Stage 3**

Rel-4 *current version:* 4.0.1  
*freeze\_meeting:* SP-11  
*history (event, available, version, comments):*  
NP-11 2001-04-04 4 . 0 . 0  
correct references 2002-06-25 4 . 0 . 1

*WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*

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**TS 24.135 Multicall supplementary service; Stage 3**

Rel-4 *current version:* 4.1.1  
*freeze\_meeting:* SP-11  
*history (event, available, version, comments):*  
NP-11 2001-04-04 4 . 0 . 0  
NP-14 2002-01-10 4 . 1 . 0  
correct references 2002-06-25 4 . 1 . 1

*WG (prime / other):* N4 / - *rapporteur:* MITAMURA, Kazuo NTT COMWARE Corporation  
*G: U: yes* *MCC:* KYMALAINEN, Kimmo  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs Rel-4 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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Rel-4 25 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.101 User Equipment (UE) radio transmission and reception (FDD)

Rel-4 current version: 4.11.0 WG (prime / other): R4 / - rapporteur: FERNANDES, Edgar MOTOROLA Ltd  
freeze\_meeting: SP-11 G: U: yes MCC: GUTIERREZ MIGUELEZ, Cesar

history (event, available, version, comments):

RP-11	2001-04-10	4	.	0	.	0
RP-12	2001-06-29	4	.	1	.	0
RP-13	2001-10-03	4	.	2	.	0
RP-14	2002-01-14	4	.	3	.	0
RP-15	2002-03-29	4	.	4	.	0
RP-16	2002-07-01	4	.	5	.	0
RP-18	2003-01-10	4	.	6	.	0
RP-19	2003-04-04	4	.	7	.	0
RP-20	2003-06-27	4	.	8	.	0
RP-21	2003-10-10	4	.	9	.	0
RP-22	2004-01-20	4	.	10	.	0
RP-23	2004-04-01	4	.	11	.	0

[get it](#) remarks - general:  
[get it](#) remarks - this release:  
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## TS 25.102 User Equipment (UE) radio transmission and reception (TDD)

Rel-4 current version: 4.7.0 WG (prime / other): R4 / - rapporteur: KOTTKAMP, Meik SIEMENS AG  
freeze\_meeting: SP-11 G: U: yes MCC: GUTIERREZ MIGUELEZ, Cesar

history (event, available, version, comments):

RP-11	2001-04-10	4	.	0	.	0
RP-12	2001-06-29	4	.	1	.	0
RP-13	2001-10-10	4	.	2	.	0
RP-14	2002-01-14	4	.	3	.	0
RP-15	2002-03-29	4	.	4	.	0
RP-16	2002-07-01	4	.	5	.	0
RP-17	2002-10-02	4	.	6	.	0
RP-18	2003-01-10	4	.	7	.	0

[get it](#) remarks - general:  
[get it](#) remarks - this release:  
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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs Rel-4 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.104 Base Station (BS) radio transmission and reception (FDD)

Rel-4 *current version:* 4.7.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* R4 / - *rapporteur:* SKÖLD, Johan Telefon AB LM Ericsson  
*G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version, comments):*

RP-11	2001-04-10	4	.	0	.	0
RP-12	2001-06-29	4	.	1	.	0
RP-13	2001-10-03	4	.	2	.	0
RP-14	2002-01-14	4	.	3	.	0
RP-15	2002-03-29	4	.	4	.	0
RP-16	2002-07-01	4	.	5	.	0
RP-18	2003-01-10	4	.	6	.	0
RP-19	2003-04-04	4	.	7	.	0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
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## TS 25.105 Base Station (BS) radio transmission and reception (TDD)

Rel-4 *current version:* 4.7.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* R4 / - *rapporteur:* KOTTKAMP, Meik SIEMENS AG  
*G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version, comments):*

RP-11	2001-04-10	4	.	0	.	0
RP-12	2001-06-29	4	.	1	.	0
RP-13	2001-10-10	4	.	2	.	0
RP-14	2002-01-16	4	.	3	.	0
RP-15	2002-03-29	4	.	4	.	0
RP-16	2002-07-01	4	.	5	.	0
RP-18	2003-01-10	4	.	6	.	0
RP-19	2003-04-04	4	.	7	.	0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs Rel-4 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.106 UTRA repeater radio transmission and reception

Rel-4 *current version:* 4.7.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* R4 / - *rapporteur:* NILSSON, Martin Indicate persons who left Company and wait for new One  
*G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version, comments):*

Start of work	2000-08-01	0	.	0	.	1	
RP-09	2000-10-13	1	.	0	.	0	
RP-10	2000-12-21	1	.	1	.	0	RP-000596
RP-11	2001-04-10	4	.	0	.	0	
RP-13	2001-10-10	4	.	1	.	0	
RP-16	2002-07-01	4	.	2	.	0	
RP-17	2002-10-02	4	.	3	.	0	
RP-18	2003-01-10	4	.	4	.	0	
RP-19	2003-04-04	4	.	5	.	0	
RP-20	2003-06-27	4	.	6	.	0	
RP-22	2004-01-20	4	.	7	.	0	

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
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## TS 25.113 Base station and repeater electromagnetic compatibility (EMC)

Rel-4 *current version:* 4.4.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* R4 / - *rapporteur:* BARNES, David DTI - Department of Trade and Industry  
*G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version, comments):*

RP-11	2001-04-10	4	.	0	.	0	
RP-12	2001-06-29	4	.	1	.	0	
RP-13	2001-10-10	4	.	2	.	0	
RP-17	2002-10-02	4	.	3	.	0	
RP-18	2003-01-10	4	.	4	.	0	

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
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[get it](#)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.



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ACTIVE specs Rel-4 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.123 Requirements for support of radio resource management (TDD)

Rel-4 *current version:* 4.12.0 *WG (prime / other):* R4 / - *rapporteur:* GUERRINI, Claudio TELECOM ITALIA S.p.A.  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version, comments):*

RP-11	2001-04-10	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
RP-12	2001-06-29	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
RP-13	2001-10-10	4 . 2 . 0	<a href="#">get it</a>	
RP-14	2002-01-16	4 . 3 . 0	<a href="#">get it</a>	
RP-15	2002-03-29	4 . 4 . 0	<a href="#">get it</a>	
RP-16	2002-07-03	4 . 5 . 0	<a href="#">get it</a>	
RP-17	2002-10-10	4 . 6 . 0	<a href="#">get it</a>	
RP-18	2003-01-10	4 . 7 . 0	<a href="#">get it</a>	
RP-19	2003-04-04	4 . 8 . 0	<a href="#">get it</a>	
RP-20	2003-07-01	4 . 9 . 0	<a href="#">get it</a>	
RP-21	2003-10-10	4 . 10 . 0	<a href="#">get it</a>	
RP-22	2004-01-23	4 . 11 . 0	<a href="#">get it</a>	
RP-23	2004-04-01	4 . 12 . 0	<a href="#">get it</a>	

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## TS 25.133 Requirements for support of radio resource management (FDD)

Rel-4 *current version:* 4.12.0 *WG (prime / other):* R4 / - *rapporteur:* GUERRINI, Claudio TELECOM ITALIA S.p.A.  
*freeze\_meeting:* RP-11 *G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version, comments):*

RP-11	2001-04-10	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
RP-12	2001-06-29	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
RP-13	2001-10-10	4 . 2 . 0	<a href="#">get it</a>	
RP-14	2002-01-17	4 . 3 . 0	<a href="#">get it</a>	
RP-15	2002-03-29	4 . 4 . 0	<a href="#">get it</a>	
RP-16	2002-07-04	4 . 5 . 0	<a href="#">get it</a>	
RP-17	2002-10-04	4 . 6 . 0	<a href="#">get it</a>	
RP-18	2003-01-10	4 . 7 . 0	<a href="#">get it</a>	
RP-19	2003-04-04	4 . 8 . 0	<a href="#">get it</a>	
RP-20	2003-07-01	4 . 9 . 0	<a href="#">get it</a>	
RP-21	2003-10-10	4 . 10 . 0	<a href="#">get it</a>	
RP-22	2004-01-23	4 . 11 . 0	<a href="#">get it</a>	
RP-23	2004-04-01	4 . 12 . 0	<a href="#">get it</a>	

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs Rel-4 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.141 Base Station (BS) conformance testing (FDD)

Rel-4 *current version:* 4.8.0

*freeze\_meeting:* SP-11

*history (event, available, version, comments):*

RP-11	2001-04-10	4	.	0	.	0
RP-12	2001-06-29	4	.	1	.	0
RP-13	2001-10-03	4	.	2	.	0
RP-14	2002-01-16	4	.	3	.	0
RP-15	2002-04-02	4	.	4	.	0
RP-16	2002-07-04	4	.	5	.	0
RP-17	2002-10-04	4	.	6	.	0
RP-18	2003-01-10	4	.	7	.	0
RP-19	2003-04-04	4	.	8	.	0

*WG (prime / other):* R4 / - *rapporteur:* NAKAMURA, Takaharu Fujitsu Limited  
*G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
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[get it](#)  
[get it](#)

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## TS 25.142 Base Station (BS) conformance testing (TDD)

Rel-4 *current version:* 4.8.0

*freeze\_meeting:* SP-11

*history (event, available, version, comments):*

RP-11	2001-04-10	4	.	0	.	0
RP-12	2001-06-29	4	.	1	.	0
RP-13	2001-10-10	4	.	2	.	0
RP-14	2002-01-16	4	.	3	.	0
RP-15	2002-03-29	4	.	4	.	0
RP-16	2002-07-04	4	.	5	.	0
RP-17	2002-10-04	4	.	6	.	0
RP-18	2003-01-10	4	.	7	.	0
RP-19	2003-04-04	4	.	8	.	0

*WG (prime / other):* R4 / - *rapporteur:* MEYER, Juergen SIEMENS AG  
*G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
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G = required in systems with GERAN acces; U = required in systems with UMTS access.

# 3GPP specification status

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ACTIVE specs Rel-4 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.143 UTRA repeater conformance testing

Rel-4 *current version:* 4.9.0 *WG (prime / other):* R4 / - *rapporteur:* KUMMETZ, Thomas MIKOM GmbH - An Andrew Company  
*freeze\_meeting:* RP-11 G: U: yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version, comments):*

Start of work	2000-08-01	0	0	0		<a href="#">get it</a> <i>remarks - general:</i> Created by renumbering 25.107
RP-09	2000-10-12	0	0	2		<a href="#">get it</a> <i>remarks - this release:</i> Was to have been 25.107. But never was.
RP-10	2000-12-21	1	0	0	RP-000671	<a href="#">get it</a>
RP-11	2001-04-10	4	0	0		<a href="#">get it</a>
RP-12	2001-06-29	4	1	0		<a href="#">get it</a>
RP-13	2001-10-10	4	2	0		<a href="#">get it</a>
RP-15	2002-03-19	4	3	0		<a href="#">get it</a>
RP-16	2002-07-03	4	4	0		<a href="#">get it</a>
RP-17	2002-10-02	4	5	0		<a href="#">get it</a>
RP-18	2003-01-10	4	6	0		<a href="#">get it</a>
RP-19	2003-04-04	4	7	0		<a href="#">get it</a>
RP-20	2003-06-27	4	8	0		<a href="#">get it</a>
RP-22	2004-01-23	4	9	0		<a href="#">get it</a>

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## TS 25.201 Physical layer - general description

Rel-4 *current version:* 4.3.0 *WG (prime / other):* R1 / - *rapporteur:* GERSTENBERGER, Dirk Telefon AB LM Ericsson  
*freeze\_meeting:* SP-11 G: U: yes *MCC:* SASAKI, Tsukasa

*history (event, available, version, comments):*

RP-11	2001-04-05	4	0	0		<a href="#">get it</a> <i>remarks - general:</i>
RP-14	2002-01-09	4	1	0		<a href="#">get it</a> <i>remarks - this release:</i>
RP-15	2002-03-29	4	2	0		<a href="#">get it</a>
RP-16	2002-06-28	4	3	0		<a href="#">get it</a>

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## TS 25.211 Physical channels and mapping of transport channels onto physical channels (FDD)

Rel-4 *current version:* 4.6.0 *WG (prime / other):* R1 / - *rapporteur:* PARKVALL, Stefan Ericsson AB  
*freeze\_meeting:* SP-11 G: U: yes *MCC:* SASAKI, Tsukasa

*history (event, available, version, comments):*

RP-11	2001-04-05	4	0	0		<a href="#">get it</a> <i>remarks - general:</i>
RP-12	2001-06-28	4	1	0		<a href="#">get it</a> <i>remarks - this release:</i>
RP-13	2001-10-08	4	2	0		<a href="#">get it</a>
RP-14	2002-01-09	4	3	0		<a href="#">get it</a>
RP-15	2002-03-29	4	4	0		<a href="#">get it</a>
RP-16	2002-06-28	4	5	0		<a href="#">get it</a>
RP-17	2002-09-27	4	6	0		<a href="#">get it</a>

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs Rel-4 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.212 Multiplexing and channel coding (FDD)

Rel-4 *current version:* 4.6.0

*freeze\_meeting:* SP-11

*history (event, available, version, comments):*

RP-11	2001-04-05	4	.	0	.	0
RP-12	2001-06-28	4	.	1	.	0
RP-13	2001-10-08	4	.	2	.	0
RP-14	2002-01-09	4	.	3	.	0
RP-15	2002-03-29	4	.	4	.	0
RP-16	2002-06-28	4	.	5	.	0
RP-17	2002-09-27	4	.	6	.	0

*WG (prime / other):* R1 / - *rapporteur:* MICHEL, Jürgen SIEMENS AG  
*G:* *U:* yes *MCC:* SASAKI, Tsukasa

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 25.213 Spreading and modulation (FDD)

Rel-4 *current version:* 4.4.0

*freeze\_meeting:* SP-11

*history (event, available, version, comments):*

RP-11	2001-04-05	4	.	0	.	0
RP-12	2001-06-28	4	.	1	.	0
RP-14	2002-01-09	4	.	2	.	0
RP-16	2002-06-28	4	.	3	.	0
RP-22	2004-01-14	4	.	4	.	0

*WG (prime / other):* R1 / - *rapporteur:* WILLENEGGER, Serge QUALCOMM EUROPE S.A.R.L.  
*G:* *U:* yes *MCC:* SASAKI, Tsukasa

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)

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## TS 25.214 Physical layer procedures (FDD)

Rel-4 *current version:* 4.6.0

*freeze\_meeting:* SP-11

*history (event, available, version, comments):*

RP-11	2001-04-05	4	.	0	.	0
RP-12	2001-06-28	4	.	1	.	0
RP-13	2001-10-08	4	.	2	.	0
RP-14	2002-01-09	4	.	3	.	0
RP-15	2002-03-29	4	.	4	.	0
RP-17	2002-09-27	4	.	5	.	0
RP-19	2003-04-04	4	.	6	.	0

*WG (prime / other):* R1 / - *rapporteur:* BOUMENDIL, Sarah NORTEL NETWORKS (EUROPE)  
*G:* *U:* yes *MCC:* SASAKI, Tsukasa

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs Rel-4 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.215 Physical layer; Measurements (FDD)

Rel-4 *current version:* 4.7.0

*freeze\_meeting:* SP-11

*WG (prime / other):* R1 / -

*rapporteur:* SUZUKI, Hidetoshi

Panasonic Mobile Communications Co.,Ltd.

*G:* U: yes

*MCC:* SASAKI, Tsukasa

*history (event, available, version, comments):*

RP-11	2001-04-05	4	.	0	.	0
RP-12	2001-06-28	4	.	1	.	0
RP-13	2001-10-08	4	.	2	.	0
RP-14	2002-01-09	4	.	3	.	0
RP-15	2002-03-29	4	.	4	.	0
RP-17	2002-09-27	4	.	5	.	0
RP-18	2003-01-07	4	.	6	.	0
RP-20	2003-06-27	4	.	7	.	0

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:*

[get it](#)

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[get it](#)

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## TS 25.221 Physical channels and mapping of transport channels onto physical channels (TDD)

Rel-4 *current version:* 4.7.0

*freeze\_meeting:* SP-11

*WG (prime / other):* R1 / -

*rapporteur:* CHAPMAN, Thomas

SIEMENS AG

*G:* U: yes

*MCC:* SASAKI, Tsukasa

*history (event, available, version, comments):*

RP-11	2001-04-05	4	.	0	.	0
RP-12	2001-06-28	4	.	1	.	0
RP-13	2001-10-08	4	.	2	.	0
RP-14	2002-01-09	4	.	3	.	0
RP-15	2002-03-29	4	.	4	.	0
RP-16	2002-06-28	4	.	5	.	0
RP-17	2002-09-27	4	.	6	.	0
RP-18	2003-01-07	4	.	7	.	0

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:*

[get it](#)

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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ACTIVE specs Rel-4 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.222 Multiplexing and channel coding (TDD)

Rel-4 *current version:* 4.7.0 *WG (prime / other):* R1 / - *rapporteur:* BEALE, Martin IPWireless Inc.  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* SASAKI, Tsukasa

*history (event, available, version, comments):*

RP-11	2001-04-05	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
RP-13	2001-10-08	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
RP-14	2002-01-09	4	.	2	.	0	<a href="#">get it</a>
RP-15	2002-03-29	4	.	3	.	0	<a href="#">get it</a>
RP-16	2002-06-28	4	.	4	.	0	<a href="#">get it</a>
RP-17	2002-09-27	4	.	5	.	0	<a href="#">get it</a>
RP-18	2003-01-07	4	.	6	.	0	<a href="#">get it</a>
RP-22	2004-01-14	4	.	7	.	0	Minor problems implementing CRs. See <a href="#">get it</a> readme file.

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## TS 25.223 Spreading and modulation (TDD)

Rel-4 *current version:* 4.5.0 *WG (prime / other):* R1 / - *rapporteur:* ANDERSON, Nicholas IPWireless Inc.  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* SASAKI, Tsukasa

*history (event, available, version, comments):*

RP-11	2001-04-05	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
RP-12	2001-06-28	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
RP-13	2001-10-08	4	.	2	.	0	<a href="#">get it</a>
RP-14	2002-01-09	4	.	3	.	0	<a href="#">get it</a>
RP-15	2002-03-29	4	.	4	.	0	<a href="#">get it</a>
RP-18	2003-01-07	4	.	5	.	0	<a href="#">get it</a>

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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ACTIVE specs Rel-4 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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<b>TS 25.224</b>	<b>Physical layer procedures (TDD)</b>						
Rel-4	<i>current version:</i> 4.10.0		<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> RUDOLF, Marian		INTERDIGITAL COMMUNICATIONS CORPORATION	
	<i>freeze_meeting:</i> SP-11		<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa			
	<i>history (event, available, version, comments):</i>						
	RP-11 2001-04-05	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	RP-12 2001-06-28	4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	RP-13 2001-10-08	4 . 2 . 0		<a href="#">get it</a>			
	RP-14 2002-01-09	4 . 3 . 0		<a href="#">get it</a>			
	RP-15 2002-03-29	4 . 4 . 0		<a href="#">get it</a>			
	RP-16 2002-06-28	4 . 5 . 0		<a href="#">get it</a>			
	RP-17 2002-09-27	4 . 6 . 0		<a href="#">get it</a>			
	RP-18 2003-01-07	4 . 7 . 0		<a href="#">get it</a>			
	RP-19 2003-04-04	4 . 8 . 0		<a href="#">get it</a>			
	RP-21 2003-09-29	4 . 9 . 0		<a href="#">get it</a>			
	RP-22 2004-01-14	4 . 10 . 0		<a href="#">get it</a>			

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<b>TS 25.225</b>	<b>Physical layer; Measurements (TDD)</b>						
Rel-4	<i>current version:</i> 4.8.0		<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> CZAPLA, Liliana		INTERDIGITAL COMMUNICATIONS CORPORATION	
	<i>freeze_meeting:</i> SP-11		<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa			
	<i>history (event, available, version, comments):</i>						
	RP-11 2001-04-05	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	RP-12 2001-06-28	4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	RP-13 2001-10-08	4 . 2 . 0		<a href="#">get it</a>			
	RP-14 2002-01-09	4 . 3 . 0		<a href="#">get it</a>			
	RP-16 2002-06-28	4 . 4 . 0		<a href="#">get it</a>			
	RP-17 2002-09-27	4 . 5 . 0		<a href="#">get it</a>			
	RP-18 2003-01-07	4 . 6 . 0		<a href="#">get it</a>			
	RP-20 2003-06-27	4 . 7 . 0		<a href="#">get it</a>			
	RP-23 2004-04-02	4 . 8 . 0		<a href="#">get it</a>			

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs Rel-4 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.301 Radio Interface Protocol Architecture

Rel-4 *current version:* 4.4.0  
*freeze\_meeting:* SP-11  
*history (event, available, version, comments):*

RP-11	2001-03-27	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
RP-12	2001-06-19	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
RP-14	2002-01-04	4	.	2	.	0	<a href="#">get it</a>	
RP-16	2002-06-17	4	.	3	.	0	<a href="#">get it</a>	
RP-17	2002-09-18	4	.	4	.	0	<a href="#">get it</a>	

WG (prime / other): R2 / - *rapporteur:* GRANZOW, Wolfgang ERICSSON Eurolab Deutschland GmbH  
G: U: yes *MCC:* ARZELIER, Claude

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## TS 25.302 Services provided by the physical layer

Rel-4 *current version:* 4.8.0  
*freeze\_meeting:* SP-11  
*history (event, available, version, comments):*

RP-11	2001-03-27	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i> V3.0.0 approved via e-mail July 99 CR at TSG#5?
RP-12	2001-06-19	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
RP-13	2001-10-02	4	.	2	.	0	<a href="#">get it</a>	
RP-14	2002-01-04	4	.	3	.	0	<a href="#">get it</a>	
RP-15	2002-03-19	4	.	4	.	0	<a href="#">get it</a>	
RP-16	2002-06-17	4	.	5	.	0	<a href="#">get it</a>	
RP-17	2002-09-18	4	.	6	.	0	<a href="#">get it</a>	
RP-18	2002-12-20	4	.	7	.	0	<a href="#">get it</a>	
RP-21	2003-10-02	4	.	8	.	0	<a href="#">get it</a>	

WG (prime / other): R2 / - *rapporteur:* MIHAILESCU, Claudiu NORTEL NETWORKS (EUROPE)  
G: U: yes *MCC:* ARZELIER, Claude

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## TS 25.303 Interlayer procedures in Connected Mode

Rel-4 *current version:* 4.5.0  
*freeze\_meeting:* SP-11  
*history (event, available, version, comments):*

RP-11	2001-03-27	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
RP-12	2001-06-19	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
RP-13	2001-10-02	4	.	2	.	0	<a href="#">get it</a>	
RP-14	2002-01-04	4	.	3	.	0	<a href="#">get it</a>	
RP-15	2002-03-19	4	.	4	.	0	<a href="#">get it</a>	
RP-16	2002-06-17	4	.	5	.	0	<a href="#">get it</a>	

WG (prime / other): R2 / - *rapporteur:* RINNE, Mikko J Nokia Research Center  
G: U: yes *MCC:* ARZELIER, Claude

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G = required in systems with GERAN acces; U = required in systems with UMTS access.



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ACTIVE specs Rel-4 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.304 User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode

Rel-4 *current version:* 4.8.0 *WG (prime / other):* R2 / - *rapporteur:* MAHKONEN, Marko NOKIA Corporation  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* ARZELIER, Claude

*history (event, available, version, comments):*

RP-11	2001-03-27	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
RP-12	2001-06-27	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
RP-13	2001-10-02	4 . 2 . 0	<a href="#">get it</a>	
RP-14	2002-01-04	4 . 3 . 0	<a href="#">get it</a>	
RP-15	2002-03-19	4 . 4 . 0	<a href="#">get it</a>	
RP-16	2002-06-17	4 . 5 . 0	<a href="#">get it</a>	
RP-18	2003-01-08	4 . 6 . 0	<a href="#">get it</a>	
RP-20	2003-06-25	4 . 7 . 0	<a href="#">get it</a>	
RP-23	2004-03-24	4 . 8 . 0	<a href="#">get it</a>	

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## TS 25.305 User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2

Rel-4 *current version:* 4.7.0 *WG (prime / other):* R2 / - *rapporteur:* MIHAILESCU, Claudiu NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* RP-11 *G:* U: yes *MCC:* ARZELIER, Claude

*history (event, available, version, comments):*

RP-11	2001-03-27	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Created from 25.923
RP-12	2001-06-19	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
RP-14	2002-01-04	4 . 2 . 0	<a href="#">get it</a>		
RP-15	2002-03-19	4 . 3 . 0	<a href="#">get it</a>		
RP-19	2003-03-25	4 . 4 . 0	<a href="#">get it</a>		
RP-20	2003-06-20	4 . 5 . 0	<a href="#">get it</a>		
RP-21	2003-10-02	4 . 6 . 0	<a href="#">get it</a>		
RP-22	2004-01-12	4 . 7 . 0	<a href="#">get it</a>		

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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ACTIVE specs Rel-4 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.306 UE Radio Access capabilities definition

Rel-4 *current version:* 4.9.0 *WG (prime / other):* R2 / - *rapporteur:* BERGGREN, Anders Ericsson Incorporated  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* ARZELIER, Claude

*history (event, available, version, comments):*

RP-11	2001-03-27	4	.	0	.	0
RP-12	2001-06-19	4	.	1	.	0
RP-13	2001-10-02	4	.	2	.	0
RP-14	2002-01-04	4	.	3	.	0
RP-15	2002-03-19	4	.	4	.	0
RP-16	2002-06-17	4	.	5	.	0
RP-18	2003-01-08	4	.	6	.	0
RP-20	2003-06-20	4	.	7	.	0
RP-21	2003-10-02	4	.	8	.	0
RP-22	2004-01-12	4	.	9	.	0

[get it](#) *remarks - general:* Converted from TR 25.926 at TSG#10.  
*remarks - this release:*  
[get it](#)  
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## TS 25.307 Requirements on UEs supporting a release-independent frequency band

Rel-4 *current version:* 4.3.0 *WG (prime / other):* R2 / R4 *rapporteur:* FAUCONNIER, Denis NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* RP-13 *G:* *U:* yes *MCC:* ARZELIER, Claude

*history (event, available, version, comments):*

RP-13	2001-10-02	4	.	0	.	0
RP-14	2002-01-04	4	.	1	.	0
RP-22	2004-01-12	4	.	2	.	0
RP-23	2004-03-24	4	.	3	.	0

[get it](#) *remarks - general:* Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4  
*remarks - this release:* Expect continual updates each time a new band is allowed. = RF & RMM requirements.  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 25.321 Medium Access Control (MAC) protocol specification

Rel-4 *current version:* 4.9.0 *WG (prime / other):* R2 / - *rapporteur:* STADLER, Thomas SIEMENS AG  
*freeze\_meeting:* RP-11 *G:* *U:* yes *MCC:* ARZELIER, Claude

*history (event, available, version, comments):*

RP-11	2001-03-27	4	.	0	.	0
RP-12	2001-06-19	4	.	1	.	0
RP-13	2001-10-02	4	.	2	.	0
RP-14	2002-01-04	4	.	3	.	0
RP-15	2002-03-19	4	.	4	.	0
RP-16	2002-06-17	4	.	5	.	0
RP-17	2002-09-18	4	.	6	.	0
RP-18	2003-01-08	4	.	7	.	0
RP-19	2003-03-25	4	.	8	.	0
RP-21	2003-10-02	4	.	9	.	0

[get it](#) *remarks - general:*  
*remarks - this release:*  
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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.322 Radio Link Control (RLC) protocol specification

Rel-4 *current version:* 4.11.0

*freeze\_meeting:* SP-11

*WG (prime / other):* R2 / - *rapporteur:* MADELAINE, Sebastien PHILIPS CONSUMER COMMUNICATION  
*G:* *U:* yes *MCC:* ARZELIER, Claude

*history (event, available, version, comments):*

RP-11	2001-03-27	4	.	0	.	0
RP-12	2001-06-19	4	.	1	.	0
RP-13	2001-10-03	4	.	2	.	0
RP-14	2002-01-04	4	.	3	.	0
RP-15	2002-03-19	4	.	4	.	0
RP-16	2002-06-17	4	.	5	.	0
RP-17	2002-09-19	4	.	6	.	0
RP-18	2003-01-10	4	.	7	.	0
RP-19	2003-03-25	4	.	8	.	0
RP-20	2003-06-20	4	.	9	.	0
RP-21	2003-10-02	4	.	10	.	0
RP-22	2004-01-12	4	.	11	.	0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
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## TS 25.323 Packet Data Convergence Protocol (PDCP) specification

Rel-4 *current version:* 4.6.0

*freeze\_meeting:* SP-11

*WG (prime / other):* R2 / - *rapporteur:* HANS, Martin INFINEON TECHNOLOGIES  
*G:* *U:* yes *MCC:* ARZELIER, Claude

*history (event, available, version, comments):*

RP-11	2001-03-27	4	.	0	.	0
RP-12	2001-06-19	4	.	1	.	0
RP-13	2001-10-02	4	.	2	.	0
RP-14	2002-01-04	4	.	3	.	0
RP-15	2002-03-19	4	.	4	.	0
RP-16	2002-06-17	4	.	5	.	0
RP-17	2002-09-18	4	.	6	.	0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
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[get it](#)  
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## TS 25.324 Broadcast/Multicast Control (BMC)

Rel-4 *current version:* 4.3.0

*freeze\_meeting:* SP-11

*WG (prime / other):* R2 / - *rapporteur:* HARTL, Mike Vodafone D2 GmbH  
*G:* *U:* yes *MCC:* ARZELIER, Claude

*history (event, available, version, comments):*

RP-11	2001-03-27	4	.	0	.	0
RP-16	2002-06-17	4	.	1	.	0
RP-18	2003-01-13	4	.	2	.	0
RP-19	2003-03-25	4	.	3	.	0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs Rel-4 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.331 Radio Resource Control (RRC) protocol specification

Rel-4 *current version:* 4.13.0

*freeze\_meeting:* SP-11

*WG (prime / other):* R2 / - *rapporteur:* KUCHIBHOTLA, Ravi MOTOROLA Ltd  
*G:* *U:* yes *MCC:* ARZELIER, Claude

*history (event, available, version, comments):*

	RP-11	2001-04-06	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
	RP-12	2001-06-27	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
	RP-13	2001-10-08	4 . 2 . 0	<a href="#">get it</a>	
replace	ASN.1	2001-10-16	4 . 2 . 1	<a href="#">get it</a>	
	RP-14	2002-01-18	4 . 3 . 0	<a href="#">get it</a>	
	RP-15	2002-03-25	4 . 4 . 0	<a href="#">get it</a>	
	RP-16	2002-06-20	4 . 5 . 0	<a href="#">get it</a>	
	RP-17	2002-09-20	4 . 6 . 0	<a href="#">get it</a>	Do not use this version: contains wrong ASN.1
Misimplemented RP-17 CR		2002-09-23	4 . 7 . 0	<a href="#">get it</a>	v4.6.0 omitted ASN.1 in error
	RP-18	2003-02-03	4 . 8 . 0	<a href="#">get it</a>	
	RP-19	2003-03-27	4 . 9 . 0	<a href="#">get it</a>	
	RP-20	2003-06-25	4 . 10 . 0	<a href="#">get it</a>	
	RP-21	2003-10-02	4 . 11 . 0	<a href="#">get it</a>	
	RP-22	2004-01-12	4 . 12 . 0	<a href="#">get it</a>	
	RP-23	2004-03-24	4 . 13 . 0	<a href="#">get it</a>	

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## TS 25.401 UTRAN overall description

Rel-4 *current version:* 4.6.0

*freeze\_meeting:* SP-11

*WG (prime / other):* R3 / - *rapporteur:* GODIN, Philippe NORTEL NETWORKS (EUROPE)  
*G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

	RP-11	2001-04-06	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Approval at TSG#5
	RP-12	2001-07-06	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
	RP-13	2001-10-12	4 . 2 . 0	<a href="#">get it</a>	
	RP-15	2002-04-02	4 . 3 . 0	<a href="#">get it</a>	
	RP-16	2002-06-28	4 . 4 . 0	<a href="#">get it</a>	
	RP-17	2002-09-30	4 . 5 . 0	<a href="#">get it</a>	
	RP-18	2003-01-03	4 . 6 . 0	<a href="#">get it</a>	

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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ACTIVE specs Rel-4 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.402 Synchronisation in UTRAN Stage 2

Rel-4 *current version:* 4.6.0 *WG (prime / other):* R3 / - *rapporteur:* KUNZ, Walter SIEMENS AG  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

RP-11	2001-04-06	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> New
RP-12	2001-07-06	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
RP-13	2001-10-12	4 . 2 . 0	<a href="#">get it</a>	
RP-14	2002-01-11	4 . 3 . 0	<a href="#">get it</a>	
RP-15	2002-04-02	4 . 4 . 0	<a href="#">get it</a>	
RP-16	2002-06-28	4 . 5 . 0	<a href="#">get it</a>	
RP-18	2003-01-03	4 . 6 . 0	<a href="#">get it</a>	

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## TS 25.410 UTRAN lu Interface: General Aspects and Principles

Rel-4 *current version:* 4.5.0 *WG (prime / other):* R3 / - *rapporteur:* DIESEN, Michael MOTOROLA Ltd  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

RP-11	2001-04-06	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Approval at TSG#5
RP-12	2001-07-06	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
RP-13	2001-10-12	4 . 2 . 0	<a href="#">get it</a>	
RP-14	2002-01-11	4 . 3 . 0	<a href="#">get it</a>	
RP-16	2002-06-28	4 . 4 . 0	<a href="#">get it</a>	
RP-17	2002-09-30	4 . 5 . 0	<a href="#">get it</a>	

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## TS 25.411 UTRAN lu interface layer 1

Rel-4 *current version:* 4.1.0 *WG (prime / other):* R3 / - *rapporteur:* KUNZ, Walter SIEMENS AG  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

RP-11	2001-04-06	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
RP-12	2001-07-06	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>

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## TS 25.412 UTRAN lu interface signalling transport

Rel-4 *current version:* 4.1.0 *WG (prime / other):* R3 / - *rapporteur:* NG, Cheng Hock NEC Corporation  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

RP-11	2001-04-06	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
RP-17	2002-09-30	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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ACTIVE specs Rel-4 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.413 UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling

Rel-4 *current version:* 4.12.0 *WG (prime / other):* R3 / - *rapporteur:* GUYOT, Olivier NOKIA Corporation  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

RP-11	2001-04-06	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
RP-12	2001-07-06	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
RP-13	2001-10-12	4 . 2 . 0	<a href="#">get it</a>	
RP-14	2002-01-14	4 . 3 . 0	<a href="#">get it</a>	
RP-15	2002-04-02	4 . 4 . 0	<a href="#">get it</a>	
RP-16	2002-07-05	4 . 5 . 0	<a href="#">get it</a>	
RP-17	2002-10-03	4 . 6 . 0	<a href="#">get it</a>	
RP-18	2003-01-03	4 . 7 . 0	<a href="#">get it</a>	
RP-19	2003-03-26	4 . 8 . 0	<a href="#">get it</a>	
RP-20	2003-06-17	4 . 9 . 0	<a href="#">get it</a>	
RP-21	2003-09-30	4 . 10 . 0	<a href="#">get it</a>	
RP-22	2004-01-13	4 . 11 . 0	<a href="#">get it</a>	
RP-23	2004-04-01	4 . 12 . 0	<a href="#">get it</a>	

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## TS 25.414 UTRAN Iu interface data transport & transport signalling

Rel-4 *current version:* 4.7.0 *WG (prime / other):* R3 / - *rapporteur:* ISRAELSSON, Martin Telefon AB LM Ericsson  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

RP-11	2001-04-06	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
RP-13	2001-10-12	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
RP-14	2002-01-14	4 . 2 . 0	<a href="#">get it</a>	
RP-15	2002-04-02	4 . 3 . 0	<a href="#">get it</a>	
RP-16	2002-06-28	4 . 4 . 0	<a href="#">get it</a>	
RP-18	2003-01-03	4 . 5 . 0	<a href="#">get it</a>	
RP-19	2003-03-26	4 . 6 . 0	<a href="#">get it</a>	
RP-22	2004-01-13	4 . 7 . 0	<a href="#">get it</a>	

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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ACTIVE specs Rel-4 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.415 UTRAN Iu interface user plane protocols

Rel-4 *current version:* 4.7.0 *WG (prime / other):* R3 / - *rapporteur:* ISRAELSSON, Martin Telefon AB LM Ericsson  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

RP-11	2001-04-06	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
RP-12	2001-07-06	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
RP-13	2001-10-12	4 . 2 . 0	<a href="#">get it</a>	
RP-14	2002-01-14	4 . 3 . 0	<a href="#">get it</a>	
RP-15	2002-03-25	4 . 4 . 0	<a href="#">get it</a>	
RP-16	2002-06-28	4 . 5 . 0	<a href="#">get it</a>	
RP-17	2002-09-30	4 . 6 . 0	<a href="#">get it</a>	
RP-18	2003-01-03	4 . 7 . 0	<a href="#">get it</a>	

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## TS 25.419 UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)

Rel-4 *current version:* 4.10.0 *WG (prime / other):* R3 / - *rapporteur:* MCWILLIAMS, Brendan VODAFONE Group Plc  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

RP-11	2001-04-06	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
RP-12	2001-07-06	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
RP-13	2001-10-12	4 . 2 . 0	<a href="#">get it</a>	
RP-14	2002-01-11	4 . 3 . 0	<a href="#">get it</a>	
RP-15	2002-03-25	4 . 4 . 0	<a href="#">get it</a>	
RP-16	2002-06-28	4 . 5 . 0	<a href="#">get it</a>	
correct vers no. shown on doc	2002-08-06	4 . 5 . 1	<a href="#">get it</a>	
RP-17	2002-10-03	4 . 6 . 0	<a href="#">get it</a>	
RP-19	2003-03-26	4 . 7 . 0	<a href="#">get it</a>	
RP-20	2003-06-17	4 . 8 . 0	<a href="#">get it</a>	
RP-21	2003-09-30	4 . 9 . 0	<a href="#">get it</a>	
RP-22	2004-01-13	4 . 10 . 0	<a href="#">get it</a>	

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## TS 25.420 UTRAN Iur Interface: General Aspects and Principles

Rel-4 *current version:* 4.2.0 *WG (prime / other):* R3 / - *rapporteur:* PALAT, Sudeep Lucent Technologies Network Systems UK  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

RP-11	2001-04-06	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
RP-14	2002-01-11	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
RP-15	2002-04-02	4 . 2 . 0	<a href="#">get it</a>	

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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ACTIVE specs Rel-4 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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<b>TS 25.421</b>	<b>UTRAN Iur interface Layer 1</b>								
Rel-4	<i>current version:</i> 4.0.0								
	<i>freeze_meeting:</i> SP-11								
	<i>history (event, available, version, comments):</i>								
	RP-11 2001-04-06	4	.	0	.	0			
							<a href="#">get it</a>	<i>remarks - general:</i>	
								<i>remarks - this release:</i>	
<hr/>									
<b>TS 25.422</b>	<b>UTRAN Iur interface signalling transport</b>								
Rel-4	<i>current version:</i> 4.2.0								
	<i>freeze_meeting:</i> SP-11								
	<i>history (event, available, version, comments):</i>								
	RP-11 2001-04-06	4	.	0	.	0			
	RP-14 2002-01-11	4	.	1	.	0			
edito post	RP-14 2002-04-02	4	.	1	.	1			
	RP-17 2002-10-03	4	.	2	.	0			
							<a href="#">get it</a>	<i>remarks - general:</i>	
							<a href="#">get it</a>	<i>remarks - this release:</i>	
							<a href="#">get it</a>		
							<a href="#">get it</a>		
<hr/>									
<b>TS 25.423</b>	<b>UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling</b>								
Rel-4	<i>current version:</i> 4.12.0								
	<i>freeze_meeting:</i> SP-11								
	<i>history (event, available, version, comments):</i>								
	RP-11 2001-04-06	4	.	0	.	0			
	RP-12 2001-07-06	4	.	1	.	0			
	RP-13 2001-10-12	4	.	2	.	0			
	RP-14 2002-01-11	4	.	3	.	0			
	RP-15 2002-04-02	4	.	4	.	0			
	RP-16 2002-07-05	4	.	5	.	0			
	RP-17 2002-10-11	4	.	6	.	0			
	RP-18 2003-01-03	4	.	7	.	0			
	RP-19 2003-03-31	4	.	8	.	0			
	RP-20 2003-06-17	4	.	9	.	0			
	RP-21 2003-09-30	4	.	10	.	0			
	RP-22 2004-01-13	4	.	11	.	0			
	RP-23 2004-04-01	4	.	12	.	0			
							<a href="#">get it</a>	<i>remarks - general:</i>	
								<i>remarks - this release:</i>	

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G = required in systems with GERAN access; U = required in systems with UMTS access.



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ACTIVE specs Rel-4 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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**TS 25.424 UTRAN lur interface data transport & transport signalling for CCH data streams**

Rel-4 *current version:* 4.3.0 *WG (prime / other):* R3 / - *rapporteur:* DREVON, Nicolas ALCATEL S.A.  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

RP-11	2001-04-06	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
RP-14	2002-01-11	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
RP-15	2002-04-02	4	.	2	.	0	<a href="#">get it</a>
RP-16	2002-06-28	4	.	3	.	0	<a href="#">get it</a>

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**TS 25.425 UTRAN lur interface user plane protocols for CCH data streams**

Rel-4 *current version:* 4.4.0 *WG (prime / other):* R3 / - *rapporteur:* DREVON, Nicolas ALCATEL S.A.  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

RP-11	2001-04-06	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
RP-13	2001-10-12	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
RP-14	2002-01-11	4	.	2	.	0	<a href="#">get it</a>
RP-15	2002-04-02	4	.	3	.	0	<a href="#">get it</a>
RP-22	2004-01-13	4	.	4	.	0	<a href="#">get it</a>

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**TS 25.426 UTRAN lur and lub interface data transport & transport signalling for DCH data streams**

Rel-4 *current version:* 4.4.0 *WG (prime / other):* R3 / - *rapporteur:* KEKKI, Sami NOKIA Corporation  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

RP-11	2001-04-06	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
RP-14	2002-01-11	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
RP-15	2002-04-02	4	.	2	.	0	<a href="#">get it</a>
RP-16	2002-06-28	4	.	3	.	0	<a href="#">get it</a>
RP-17	2002-10-03	4	.	4	.	0	<a href="#">get it</a>

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs Rel-4 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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<b>TS 25.427</b>	<b>UTRAN Iur and Iub interface user plane protocols for DCH data streams</b>								
Rel-4	<i>current version:</i> 4.5.0	<i>WG (prime / other):</i>	R3	/ -	<i>rapporteur:</i>	HAKULI, Tuomas	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-11	<i>G:</i>			<i>MCC:</i>	CALDENHOVEN, Juergen			
	<i>history (event, available, version, comments):</i>								
	RP-11	2001-04-06	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	RP-12	2001-07-06	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
	RP-13	2001-10-12	4	.	2	.	0	<a href="#">get it</a>	
	RP-14	2002-01-11	4	.	3	.	0	<a href="#">get it</a>	
	RP-18	2003-01-03	4	.	4	.	0	<a href="#">get it</a>	
	RP-22	2004-01-13	4	.	5	.	0	<a href="#">get it</a>	
<hr/>									
<b>TS 25.430</b>	<b>UTRAN Iub interface: General Aspects and Principles</b>								
Rel-4	<i>current version:</i> 4.4.0	<i>WG (prime / other):</i>	R3	/ -	<i>rapporteur:</i>	KOIZUMI, Yoshiko	Fujitsu Limited		
	<i>freeze_meeting:</i> SP-11	<i>G:</i>			<i>MCC:</i>	CALDENHOVEN, Juergen			
	<i>history (event, available, version, comments):</i>								
	RP-11	2001-04-06	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	RP-12	2001-07-06	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
	RP-14	2002-01-11	4	.	2	.	0	<a href="#">get it</a>	
	RP-16	2002-06-28	4	.	3	.	0	<a href="#">get it</a>	
	RP-17	2002-10-03	4	.	4	.	0	<a href="#">get it</a>	
<hr/>									
<b>TS 25.431</b>	<b>UTRAN Iub interface Layer 1</b>								
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i>	R3	/ -	<i>rapporteur:</i>	KUNZ, Walter	SIEMENS AG		
	<i>freeze_meeting:</i> SP-11	<i>G:</i>			<i>MCC:</i>	CALDENHOVEN, Juergen			
	<i>history (event, available, version, comments):</i>								
	RP-11	2001-04-06	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
									<i>remarks - this release:</i>
<hr/>									
<b>TS 25.432</b>	<b>UTRAN Iub interface: signalling transport</b>								
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i>	R3	/ -	<i>rapporteur:</i>	KOIZUMI, Yoshiko	Fujitsu Limited		
	<i>freeze_meeting:</i> SP-11	<i>G:</i>			<i>MCC:</i>	CALDENHOVEN, Juergen			
	<i>history (event, available, version, comments):</i>								
	RP-11	2001-04-06	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
									<i>remarks - this release:</i>

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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ACTIVE specs Rel-4 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.433 UTRAN lub interface NBAP signalling

Rel-4 *current version:* 4.12.0

*freeze\_meeting:* SP-11

*WG (prime / other):* R3 / - *rapporteur:* SEHEDIC, Yann Nortel Networks Germany GmbH & Co. KG

*G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

RP-11	2001-04-06	4	.	0	.	0
RP-12	2001-07-06	4	.	1	.	0
RP-13	2001-10-12	4	.	2	.	0
edito	2001-10-23	4	.	2	.	1
RP-14	2002-01-11	4	.	3	.	0
RP-15	2002-04-04	4	.	4	.	0
RP-16	2002-07-19	4	.	5	.	0
RP-17	2002-10-11	4	.	6	.	0
RP-18	2003-01-03	4	.	7	.	0
RP-19	2003-03-31	4	.	8	.	0
RP-20	2003-06-17	4	.	9	.	0
RP-21	2003-09-30	4	.	10	.	0
RP-22	2004-01-13	4	.	11	.	0
RP-23	2004-04-01	4	.	12	.	0

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:*

[get it](#)

[get it](#)

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## TS 25.434 UTRAN lub interface data transport & transport signalling for CCH data streams

Rel-4 *current version:* 4.4.0

*freeze\_meeting:* SP-11

*WG (prime / other):* R3 / - *rapporteur:* LAVASANI, Shahab TeliaSonera AB

*G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

RP-11	2001-04-06	4	.	0	.	0
RP-12	2001-07-06	4	.	1	.	0
RP-14	2002-01-11	4	.	2	.	0
RP-15	2002-04-02	4	.	3	.	0
RP-16	2002-06-28	4	.	4	.	0

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:*

[get it](#)

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<b>TS 25.435</b>	<b>UTRAN Iub interface user plane protocols for CCH data streams</b>						
Rel-4	<i>current version:</i> 4.6.0	<i>WG (prime / other):</i>	R3 / -	<i>rapporteur:</i>	STOJANOVSKI, Saso	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> SP-11	<i>G:</i>		<i>MCC:</i>	CALDENHOVEN, Juergen		
	<i>history (event, available, version, comments):</i>						
	RP-11 2001-04-06	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	RP-12 2001-07-06	4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	RP-13 2001-10-12	4 . 2 . 0		<a href="#">get it</a>			
	RP-14 2002-01-11	4 . 3 . 0		<a href="#">get it</a>			
	RP-15 2002-04-02	4 . 4 . 0		<a href="#">get it</a>			
	RP-17 2002-10-03	4 . 5 . 0		<a href="#">get it</a>			
	RP-22 2004-01-13	4 . 6 . 0		<a href="#">get it</a>			

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<b>TS 25.442</b>	<b>UTRAN implementation-specific O&amp;M transport</b>						
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i>	R3 / -	<i>rapporteur:</i>	HAUSER, Alexander	Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i> SP-11	<i>G:</i>		<i>MCC:</i>	CALDENHOVEN, Juergen		
	<i>history (event, available, version, comments):</i>						
	RP-11 2001-04-06	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
					<i>remarks - this release:</i>		

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<b>TR 25.832</b>	<b>Manifestations of Handover and SRNS relocation</b>						
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i>	R3 / -	<i>rapporteur:</i>	TOWNEND, Richard	mmO2 plc	
	<i>freeze_meeting:</i> SP-11	<i>G:</i>		<i>MCC:</i>	CALDENHOVEN, Juergen		
	<i>history (event, available, version, comments):</i>						
	RP-11 2001-04-06	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
					<i>remarks - this release:</i>	RP-15: No upgrade to Rel-5.	

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<b>TR 25.834</b>	<b>UTRA TDD low chip rate option; Radio protocol aspects</b>						
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i>	R2 / -	<i>rapporteur:</i>	LIU, YanHui	China Academy of Telecommunications Technology	
	<i>freeze_meeting:</i> SP-11	<i>G:</i>		<i>MCC:</i>	ARZELIER, Claude		
	<i>history (event, available, version, comments):</i>						
	Start of work 2000-07-01	0 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	draft 2000-07-15	0 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>	RP-15: Not to be promoted to Rel-5.	
	draft 2000-08-01	0 . 1 . 0		<a href="#">get it</a>			
	RP-09 2000-10-01	1 . 0 . 0		<a href="#">get it</a>			
	RP-10 2000-12-20	4 . 0 . 0		<a href="#">get it</a>			
	RP-11 2001-03-27	4 . 1 . 0		<a href="#">get it</a>			

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<b>TR 25.836</b>	<b>Node B synchronization for TDD</b>								
Rel-4	<i>current version:</i> 4.1.0								
	<i>freeze_meeting:</i> SP-11								
	<i>history (event, available, version, comments):</i>								
	RP-10 2001-01-12	4	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
	RP-11 2001-04-05	4	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: Not to be promoted to Rel-5.
<hr/>									
<b>TR 25.838</b>	<b>Node B Synchronisation for TDD (lub/lur aspects)</b>								
Rel-4	<i>current version:</i> 4.1.0								
	<i>freeze_meeting:</i> SP-11								
	<i>history (event, available, version, comments):</i>								
	draft 2000-07-15	0	.	0	.	1		<a href="#">get it</a>	<i>remarks - general:</i>
	RP-09 2000-09-21	0	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: No upgrade to Rel-5.
	RP-10 2000-12-21	0	.	1	.	1		<a href="#">get it</a>	
	RP-11 2001-04-06	4	.	0	.	0		<a href="#">get it</a>	
	RP-14 2002-01-11	4	.	1	.	0		<a href="#">get it</a>	
<hr/>									
<b>TR 25.840</b>	<b>Terminal power saving features</b>								
Rel-4	<i>current version:</i> 4.0.0								
	<i>freeze_meeting:</i> SP-11								
	<i>history (event, available, version, comments):</i>								
	RP-09 2000-09-28	1	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
	RP-10 2001-01-12	2	.	0	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: Not to be promoted to Rel-5. 2003-11-28: WG Chairman indicates that the doc is contentious, and cannot easily be brought under change control. RP-22: Nevertheless,
	RP-11 2001-04-05	2	.	3	.	0		<a href="#">get it</a>	brought under change control; no further work envisaged.
	RP-22 2004-01-14	4	.	0	.	0	approved unseen at RP-22. No further work envisaged.	<a href="#">get it</a>	
<hr/>									
<b>TR 25.841</b>	<b>DSCH power control improvement in soft handover</b>								
Rel-4	<i>current version:</i> 4.1.0								
	<i>freeze_meeting:</i> SP-11								
	<i>history (event, available, version, comments):</i>								
	RP-09 2000-09-28	1	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
	RP-10 2001-01-12	4	.	0	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: Not to be promoted to Rel-5.
	RP-11 2001-04-04	4	.	1	.	0		<a href="#">get it</a>	

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<b>TR 25.843</b>	<b>1,28 Mcps TDD UE Radio Access Capabilities</b>					
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> ZHU, Yifei	China Academy of Telecommunications Technology		
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> ARZELIER, Claude			
<i>history (event, available, version, comments):</i>						
	RP-10	2000-12-20	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	RP-11	2001-03-27	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: Not to be promoted to Rel-5.	
<hr/>						
<b>TR 25.844</b>	<b>Radio access bearer support enhancements</b>					
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> KRISHNARAJAH, Ainkaran	Ericsson AB		
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> ARZELIER, Claude			
<i>history (event, available, version, comments):</i>						
	RP-10	2000-12-20	1 . 0 . 0	RP-000560	<a href="#">get it</a>	<i>remarks - general:</i>
	RP-11	2001-03-27	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: Not to be promoted to Rel-5.
	RP-13	2001-10-02	4 . 1 . 0		<a href="#">get it</a>	
	RP-16	2002-06-17	4 . 2 . 0		<a href="#">get it</a>	
	RP-17	2002-09-18	4 . 3 . 0		<a href="#">get it</a>	
<hr/>						
<b>TR 25.847</b>	<b>UE positioning enhancements</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> R2 /	<i>rapporteur:</i> BECKMANN, Mark	SIEMENS AG		
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> ARZELIER, Claude			
<i>history (event, available, version, comments):</i>						
	draft	2000-11-10	0 . 1 . 0		<a href="#">get it</a>	<i>remarks - general:</i>
	RP-10	2000-12-20	1 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: Not to be promoted to Rel-5.
	RP-11	2001-03-27	4 . 0 . 0		<a href="#">get it</a>	
<hr/>						
<b>TR 25.848</b>	<b>Physical Layer Aspects of UTRA High Speed Downlink Packet Access</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> R1 /	<i>rapporteur:</i> IKEDA, Shinobu	NEC Corporation		
	<i>freeze_meeting:</i> SP-10	G: U: yes	<i>MCC:</i> SASAKI, Tsukasa			
<i>history (event, available, version, comments):</i>						
	RP-11	2001-04-05	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>
						<i>remarks - this release:</i> RP-15: Not to be promoted to Rel-5.

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<b>TR 25.849</b>	<b>DSCH power control improvement in soft handover</b>								
Rel-4	<i>current version:</i> 4.0.0		<i>WG (prime / other):</i> R3 / -		<i>rapporteur:</i> WOONHEE, Hwang	NOKIA Corporation			
	<i>freeze_meeting:</i> SP-11		G: U: yes		<i>MCC:</i> CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>								
	RP-11 2001-04-06 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i> RP-15: No upgrade to Rel-5.				
<hr/>									
<b>TR 25.850</b>	<b>UE positioning in UTRAN lub/lur protocol aspects</b>								
Rel-4	<i>current version:</i> 4.3.0		<i>WG (prime / other):</i> R3 / -		<i>rapporteur:</i> HAUTALA, Jari	NOKIA Corporation			
	<i>freeze_meeting:</i> SP-11		G: U: yes		<i>MCC:</i> CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>								
	RP-10 2000-12-21 0 . 0 . 2 RP-000658			<a href="#">get it</a>	<i>remarks - general:</i>				
	draft 2000-12-21 0 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: No upgrade to Rel-5.				
	RP-11 2001-04-06 4 . 0 . 0			<a href="#">get it</a>					
	RP-12 2001-07-06 4 . 1 . 0			<a href="#">get it</a>					
	RP-13 2001-10-12 4 . 2 . 0			<a href="#">get it</a>					
	RP-14 2002-01-11 4 . 3 . 0			<a href="#">get it</a>					
<hr/>									
<b>TR 25.851</b>	<b>RAB Quality of Service (QoS) Renegotiation over lu</b>								
Rel-4	<i>current version:</i> 4.0.0		<i>WG (prime / other):</i> R3 /		<i>rapporteur:</i> IRWIN, Sania	MOTOROLA GmbH			
	<i>freeze_meeting:</i> SP-11		G: U: yes		<i>MCC:</i> CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>								
	RP-10 2000-12-21 0 . 0 . 2 RP-000660			<a href="#">get it</a>	<i>remarks - general:</i>				
	RP-11 2001-04-06 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: No upgrade to Rel-5.				
<hr/>									
<b>TR 25.853</b>	<b>Delay budget within the access stratum</b>								
Rel-4	<i>current version:</i> 4.0.0		<i>WG (prime / other):</i> R3 / -		<i>rapporteur:</i> VON BRANDT, Armin	SIEMENS AG			
	<i>freeze_meeting:</i> RP-11		G: U: yes		<i>MCC:</i> CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>								
	RP-11 2001-04-06 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Was 25.932. Approved and renumbered at TSG#10.				
					<i>remarks - this release:</i> RP-15: No upgrade to Rel-5.				

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## TR 25.921 Guidelines and principles for protocol description and error handling

Rel-4 *current version:* 4.7.0 *WG (prime / other):* R2 / - *rapporteur:* KALLA, Gairn NOKIA UK Ltd  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* ARZELIER, Claude

*history (event, available, version, comments):*

RP-11	2001-03-27	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
RP-12	2001-06-19	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
RP-13	2001-10-02	4	.	2	.	0	<a href="#">get it</a>
RP-14	2002-01-04	4	.	3	.	0	<a href="#">get it</a>
RP-15	2002-03-19	4	.	4	.	0	<a href="#">get it</a>
RP-18	2003-01-13	4	.	5	.	0	<a href="#">get it</a>
RP-21	2003-10-02	4	.	6	.	0	<a href="#">get it</a>
RP-23	2004-03-26	4	.	7	.	0	<a href="#">get it</a>

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## TR 25.922 Radio resource management strategies

Rel-4 *current version:* 4.3.0 *WG (prime / other):* R2 / - *rapporteur:* BULDORINI, Andrea TELECOM ITALIA S.p.A.  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* ARZELIER, Claude

*history (event, available, version, comments):*

RP-11	2001-03-27	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
RP-13	2001-10-02	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
RP-15	2002-03-19	4	.	2	.	0	<a href="#">get it</a>
RP-23	2004-03-24	4	.	3	.	0	<a href="#">get it</a>

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## TR 25.928 1,28 Mcps functionality for UTRA TDD physical layer

Rel-4 *current version:* 4.0.1 *WG (prime / other):* R1 / - *rapporteur:* AKSENTIJEVIC, Mirko NOKIA Corporation  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* SASAKI, Tsukasa

*history (event, available, version, comments):*

RP-07		0	.	0	.	2	RP-000091 <i>remarks - general:</i> Created R1#10, Jan 99.
RP-07	2000-03-15	0	.	0	.	3	RP-000158 <a href="#">get it</a> <i>remarks - this release:</i> RP-15: Not to be promoted to Rel-5.
RP-08		0	.	2	.	0	
RP-08	2000-06-23	1	.	0	.	0	<a href="#">get it</a>
RP-09	2001-01-11	1	.	1	.	0	<a href="#">get it</a>
RP-11	2001-04-06	4	.	0	.	0	<a href="#">get it</a>
edito	2001-04-10	4	.	0	.	1	<a href="#">get it</a>

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**TR 25.931 UTRAN Functions, examples on signalling procedures**

Rel-4 *current version:* 4.4.0  
*freeze\_meeting:* SP-07  
*history (event, available, version, comments):*

RP-11	2001-03-30	4	.	0	.	0	
RP-12	2001-07-05	4	.	1	.	0	
RP-14	2002-01-11	4	.	2	.	0	
RP-15	2002-04-02	4	.	3	.	0	
RP-16	2002-06-28	4	.	4	.	0	

*WG (prime / other):* R3 / - *rapporteur:* CASALINO, Francesco TELECOM ITALIA S.p.A.  
*G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)

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**TR 25.934 AAL2 QoS optimization**

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-11  
*history (event, available, version, comments):*

draft	2000-04-25	0	.	0	.	0	
draft	2000-05-16	0	.	0	.	1	
RP-09	2000-09-28	0	.	2	.	0	
RP-10	2000-12-21	0	.	2	.	1	RP-000646
RP-11	2001-04-06	4	.	0	.	0	

*WG (prime / other):* R3 / - *rapporteur:* YOSHIMURA, Takayuki Vodafone K.K.  
*G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* RP-15: No upgrade to Rel-5.  
[get it](#)  
[get it](#)

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**TR 25.935 RRM optimisation**

Rel-4 *current version:* 4.1.0  
*freeze\_meeting:* SP-11  
*history (event, available, version, comments):*

Start of work	2000-08-01	0	.	0	.	0	
draft	2000-07-15	0	.	0	.	1	
R3-15	2000-08-15	0	.	1	.	0	
RP-10	2000-12-21	0	.	1	.	1	
draft	2000-10-16	1	.	0	.	0	
RP-11	2001-04-06	4	.	0	.	0	
RP-15	2002-03-25	4	.	1	.	0	

*WG (prime / other):* R3 / - *rapporteur:* VAN LIESHOUT, Gert-Jan SAMSUNG Electronics Research Institute  
*G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* RP-15: No upgrade to Rel-5.  
[get it](#)  
[get it](#)  
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[get it](#)

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## TR 25.936 Handover for realtime services from PS-domain

Rel-4 *current version:* 4.0.1

*freeze\_meeting:* SP-11

*WG (prime / other):* R3 / - *rapporteur:* MOUSSET, Claire NORTEL NETWORKS (EUROPE)

*G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

Start of work 2000-07-01 0 . 0 . 0  
draft 2000-07-15 0 . 0 . 1  
R3-15 2000-09-01 0 . 1 . 0  
RP-10 2000-12-21 0 . 3 . 0  
RP-11 2001-04-06 4 . 0 . 0  
formatting 2002-01-09 4 . 0 . 1  
corrections

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:* RP-15: Not to be promoted to Rel-5.

[get it](#)

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## TR 25.937 UTRAN TDD low chiprate

Rel-4 *current version:* 4.1.0

*freeze\_meeting:* SP-11

*WG (prime / other):* R3 / - *rapporteur:* XU, Bing HuaWei Technologies Co., Ltd

*G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

draft 2000-08-01 0 . 0 . 0  
draft 2000-08-15 0 . 0 . 1  
R3-15 2000-08-30 0 . 1 . 0  
RP-10 2000-12-21 0 . 3 . 1 RP-000686  
RP-11 2001-04-06 4 . 0 . 0  
RP-13 2001-10-12 4 . 1 . 0

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:* RP-15: No upgrade to Rel-5.

[get it](#)

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## TR 25.942 RF system scenarios

Rel-4 *current version:* 4.2.0

*freeze\_meeting:* SP-12

*WG (prime / other):* R4 / - *rapporteur:* BENABDALLAH, Nadia Vodafone Omnitel N.V

*G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version, comments):*

RP-11 2001-10-10 4 . 0 . 0 expected post RP-12  
RP-14 2002-01-14 4 . 1 . 0  
RP-16 2002-07-03 4 . 2 . 0

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:* Additional rapporteur = A.De Pasquale.

[get it](#)

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<b>TR 25.943</b>	<b>Deployment aspects</b>								
Rel-4	<i>current version:</i> 4.2.0			<i>WG (prime / other):</i> R4 / -	<i>rapporteur:</i> SKÖLD, Johan	Telefon AB LM Ericsson			
	<i>freeze_meeting:</i> RP-12			<i>G:</i> U: yes	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar				
	<i>history (event, available, version, comments):</i>								
	R4-09	0 . 0 . 1						<i>remarks - general:</i>	
	R4-11	0 . 1 . 0						<i>remarks - this release:</i>	
	RP-08 2000-06-23	2 . 0 . 0							<a href="#">get it</a>
	RP-12	2 . 1 . 0	RP-010437						
	RP-12 2001-06-29	4 . 0 . 0							<a href="#">get it</a>
	RP-14 2002-01-16	4 . 1 . 0							<a href="#">get it</a>
	RP-16 2002-07-03	4 . 2 . 0							<a href="#">get it</a>
<hr/>									
<b>TR 25.944</b>	<b>Channel coding and multiplexing examples</b>								
Rel-4	<i>current version:</i> 4.1.0			<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> IKEDA, Shinobu	NEC Corporation			
	<i>freeze_meeting:</i> SP-11			<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa				
	<i>history (event, available, version, comments):</i>								
	RP-11 2001-04-06	4 . 0 . 0						<i>remarks - general:</i> Created Jan 2000 (aka R1.04)	
	edito 2001-04-10	4 . 0 . 1						<i>remarks - this release:</i> RP-15: Not to be promoted to Rel-5.	
	RP-12 2001-06-28	4 . 1 . 0							<a href="#">get it</a>
<hr/>									
<b>TR 25.945</b>	<b>RF requirements for low chip rate TDD option</b>								
Rel-4	<i>current version:</i> 4.1.1			<i>WG (prime / other):</i> R4 / -	<i>rapporteur:</i> ZHANG, Daijun	China Academy of Telecommunications Technology			
	<i>freeze_meeting:</i> SP-11			<i>G:</i> U: yes	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar				
	<i>history (event, available, version, comments):</i>								
	RP-09	0 . 3 . 0						<i>remarks - general:</i>	
	RP-10 2000-12-21	2 . 0 . 0	RP-000678					<i>remarks - this release:</i>	
	RP-11 2001-05-28	4 . 0 . 0	Cosmetically too nasty to publish as ETSI TR (TS??)						<a href="#">get it</a>
	RP-13 2001-10-10	4 . 1 . 0							<a href="#">get it</a>
	fix layout prob 2001-10-10	4 . 1 . 1							<a href="#">get it</a>

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<b>TR 25.946</b>	<b>RAB Quality of Service (QoS) Negotiation over lu</b>								
Rel-4	<i>current version:</i> 4.0.0		<i>WG (prime / other):</i> R3 / -		<i>rapporteur:</i> VESELY, Alexander	SIEMENS AG			
	<i>freeze_meeting:</i> SP-11		G: U: yes		<i>MCC:</i> CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>								
	draft 2000-08-15	0 . 0 . 1			<a href="#">get it</a>	<i>remarks - general:</i>			
	R3-15 2000-08-30	0 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: No upgrade to Rel-5.			
	RP-10 2000-12-21	0 . 1 . 1			<a href="#">get it</a>				RP-000656
	RP-11 2001-04-06	4 . 0 . 0			<a href="#">get it</a>				
<hr/>									
<b>TR 25.950</b>	<b>UTRA high speed downlink packet access</b>								
Rel-4	<i>current version:</i> 4.0.0		<i>WG (prime / other):</i> R2 / -		<i>rapporteur:</i> KUCHIBHOTLA, Ravi	MOTOROLA Ltd			
	<i>freeze_meeting:</i> SP-11		G: U: yes		<i>MCC:</i> ARZELIER, Claude				
	<i>history (event, available, version, comments):</i>								
	draft 2000-11-07	0 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>			
	RP-11 2001-03-27	4 . 0 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: Not to be promoted to Rel-5.			
<hr/>									
<b>TR 25.953</b>	<b>TrFO/TFO</b>								
Rel-4	<i>current version:</i> 4.0.0		<i>WG (prime / other):</i> R3 / -		<i>rapporteur:</i> VESELY, Alexander	SIEMENS AG			
	<i>freeze_meeting:</i> SP-11		G: U: yes		<i>MCC:</i> CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>								
	RP-10 2000-12-21	0 . 0 . 3			<a href="#">get it</a>	<i>remarks - general:</i>			RP-000664
	RP-11 2001-04-06	4 . 0 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: No upgrade to Rel-5.			
<hr/>									
<b>TR 25.954</b>	<b>Migration to modification procedure</b>								
Rel-4	<i>current version:</i> 4.0.0		<i>WG (prime / other):</i> R3 / -		<i>rapporteur:</i> YOSHIMURA, Takayuki	Vodafone K.K.			
	<i>freeze_meeting:</i> SP-11		G: U: yes		<i>MCC:</i> CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>								
	RP-11 2001-04-06	4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>			
						<i>remarks - this release:</i> RP-15: No upgrade to Rel-5.			
<hr/>									
<b>TR 25.956</b>	<b>UTRA repeater: Planning guidelines and system analysis</b>								
Rel-4	<i>current version:</i> 4.0.0		<i>WG (prime / other):</i> R4 / -		<i>rapporteur:</i> GARCIA LOPEZ, Lorena	TELEFONICA S.A.			
	<i>freeze_meeting:</i> RP-11		G: U: yes		<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar				
	<i>history (event, available, version, comments):</i>								
	RP-11 2001-04-10	4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>			
						<i>remarks - this release:</i>			

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**TR 25.993 Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)**  
Rel-4 *current version:* 4.1.0 *WG (prime / other):* R2 / *rapporteur:* FAUCONNIER, Denis NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* ARZELIER, Claude  
*history (event, available, version, comments):*  
RP-18 2003-01-13 4 . 0 . 0 Back creation from Rel-6 version [get it](#) *remarks - general:*  
RP-22 2004-01-12 4 . 1 . 0 [get it](#) *remarks - this release:* Pointer to latest release version.

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Rel-4 **26** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/26\\_series](http://www.3gpp.org/ftp/Specs/archive/26_series)

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**TS 26.071 AMR speech Codec; General description**  
Rel-4 *current version:* 4.0.0 *WG (prime / other):* S4 / - *rapporteur:* EKUDDEN, Erik Telefon AB LM Ericsson  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
SP-11 2001-04-10 4 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4  
*remarks - this release:*

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**TS 26.073 AMR speech Codec; C-source code**  
Rel-4 *current version:* 4.1.0 *WG (prime / other):* S4 / - *rapporteur:* EKUDDEN, Erik Telefon AB LM Ericsson  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
SP-11 2001-04-10 4 . 0 . 0 [get it](#) *remarks - general:*  
SP-14 2002-01-09 4 . 1 . 0 [get it](#) *remarks - this release:*

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**TS 26.074 AMR speech Codec; Test sequences**  
Rel-4 *current version:* 4.0.1 *WG (prime / other):* S4 / - *rapporteur:* EKUDDEN, Erik Telefon AB LM Ericsson  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
SP-11 2001-04-10 4 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4  
corected tests 2001-07-04 4 . 0 . 1 [get it](#) *remarks - this release:*

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<b>TS 26.077</b>	<b>Minimum performance requirements for noise suppresser application to the Adaptive Multi-Rate (AMR) speech encoder</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino		TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	
<hr/>						
<b>TS 26.090</b>	<b>AMR speech Codec; Transcoding Functions</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik		Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-07 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
					<i>remarks - this release:</i>	
<hr/>						
<b>TS 26.091</b>	<b>AMR speech Codec; Error concealment of lost frames</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik		Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
					<i>remarks - this release:</i>	
<hr/>						
<b>TS 26.092</b>	<b>AMR speech Codec; comfort noise for AMR Speech Traffic Channels</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik		Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
					<i>remarks - this release:</i>	
<hr/>						
<b>TS 26.093</b>	<b>AMR speech Codec; Source Controlled Rate operation</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik		Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-10 2000-12-21 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
					<i>remarks - this release:</i>	

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<b>TS 26.094</b>	<b>AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels</b>						
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	USAI, Paolino	TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> SP-11	G: yes U: yes		<i>MCC:</i>	USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	SP-11 2001-04-10 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4		
					<i>remarks - this release:</i>		
<hr/>							
<b>TS 26.101</b>	<b>Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure</b>						
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	HAGQVIST, Jari	NOKIA Corporation	
	<i>freeze_meeting:</i> SP-11	G: U: yes		<i>MCC:</i>	USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	SP-11 2001-04-10 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-12 2001-06-27 4 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-15 2002-03-28 4 . 2 . 0			<a href="#">get it</a>			
<hr/>							
<b>TS 26.102</b>	<b>Adaptive Multi-Rate (AMR) speech codec; Interface to lu and Uu</b>						
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	NAVARRO, William	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> SP-11	G: yes U: yes		<i>MCC:</i>	USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	SP-11 2001-04-10 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-19 2003-04-04 4 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>		
<hr/>							
<b>TS 26.103</b>	<b>Speech codec list for GSM and UMTS</b>						
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	HELLWIG, Karl	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> SP-11	G: yes U: yes		<i>MCC:</i>	USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	SP-10 2000-12-21 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> New after TSG#5		
	SP-11 2001-04-10 4 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-14 2002-01-09 4 . 2 . 0			<a href="#">get it</a>			
	SP-16 2002-06-28 4 . 3 . 0			<a href="#">get it</a>			

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<b>TS 26.104</b>	<b>ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec</b>					
Rel-4	<i>current version:</i> 4.5.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	USAI, Paolino	TELECOM ITALIA S.p.A.
	<i>freeze_meeting:</i> SP-11	G: yes U: yes		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	SP-10 2000-12-21 4 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>		
	SP-12 2001-06-27 4 . 1 . 0	<a href="#">get it</a>		<i>remarks - this release:</i>		
	bug fix 2001-06-29 4 . 1 . 1	<a href="#">get it</a>				
	SP-13 2001-10-02 4 . 2 . 0	<a href="#">get it</a>				
	SP-15 2002-03-28 4 . 3 . 0	<a href="#">get it</a>				
	SP-19 2003-04-04 4 . 4 . 0	<a href="#">get it</a>				
	SP-20 2003-06-25 4 . 5 . 0	<a href="#">get it</a>				

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<b>TS 26.110</b>	<b>Codec for circuit switched multimedia telephony service; General description</b>					
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	ARONSON, Barry	TOSHIBA CO
	<i>freeze_meeting:</i> SP-11	G: yes U: yes		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	SP-09 2000-10-10 4 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>		
	SP-11 2001-04-10 4 . 1 . 0	<a href="#">get it</a>		<i>remarks - this release:</i>		

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<b>TS 26.111</b>	<b>Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	ARONSON, Barry	TOSHIBA CO
	<i>freeze_meeting:</i> SP-11	G: yes U: yes		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	CR at TSG#5	
				<i>remarks - this release:</i>		

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<b>TS 26.115</b>	<b>Echo control for speech and multi-media services</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	USAI, Paolino	TELECOM ITALIA S.p.A.
	<i>freeze_meeting:</i> SP-11	G: U: yes		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>		
				<i>remarks - this release:</i>	Derived from 26.914 R99.	

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<b>TS 26.131</b>	<b>Terminal acoustic characteristics for telephony; Requirements</b>					
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> GOETZ, Ian		TELLABS OPERATIONS INC.	
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-13 2001-10-02 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-17 2002-09-24 4 . 2 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 26.132</b>	<b>Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification</b>					
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> GOETZ, Ian		TELLABS OPERATIONS INC.	
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-13 2001-10-02 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-15 2002-03-28 4 . 2 . 0	<a href="#">get it</a>				
	SP-17 2002-09-24 4 . 3 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 26.233</b>	<b>End-to-end transparent streaming service; General description</b>					
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> HONKO, Harri		NOKIA Corporation	
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	draft 2000-11-02 0 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-10 2000-12-21 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-11 2001-04-10 4 . 0 . 0	<a href="#">get it</a>				
	SP-14 2002-01-09 4 . 1 . 0	<a href="#">get it</a>				
	SP-15 2002-03-28 4 . 2 . 0	<a href="#">get it</a>				

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<b>TS 26.234</b>	<b>Transparent end-to-end streaming service; Protocols and codecs</b>						
Rel-4	<i>current version:</i> 4.5.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> FRANCESCHI, Olle	Nippon Ericsson K.K.			
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version, comments):</i>						
	draft 2000-10-19 0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>				
	draft 2000-10-26 0 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release:</i>				
	draft 2000-11-02 0 . 0 . 3	<a href="#">get it</a>					
	SP-10 2000-12-21 1 . 0 . 0 SP-000566	<a href="#">get it</a>					
	SP-11 2001-04-10 4 . 0 . 0	<a href="#">get it</a>					
	SP-13 2001-10-02 4 . 1 . 0	<a href="#">get it</a>					
	SP-14 2002-01-09 4 . 2 . 0	<a href="#">get it</a>					
	SP-15 2002-03-28 4 . 3 . 0	<a href="#">get it</a>					
	SP-16 2002-06-28 4 . 4 . 0	<a href="#">get it</a>					
	SP-18 2003-01-03 4 . 5 . 0	<a href="#">get it</a>					
<hr/>							
<b>TR 26.901</b>	<b>AMR wideband speech codec; Feasibility study report</b>						
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> OHANA, Alain	Cingular Wireless LLC			
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version, comments):</i>						
	SP-07 2000-03-17 2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-07 2000-03-17 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>				
	edito 2000-04-26 4 . 0 . 1	<a href="#">get it</a>					
<hr/>							
<b>TR 26.911</b>	<b>Codec for Circuit switched Multimedia Telephony Service; Terminal Implementor's Guide</b>						
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> HAAVISTO, Petri	Nokia Research Center			
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version, comments):</i>						
	SP-10 2000-12-21 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-11 2001-04-10 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>				
	SP-19 2003-04-04 4 . 2 . 0	<a href="#">get it</a>					
<hr/>							
<b>TR 26.912</b>	<b>Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G</b>						
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> FRANCESCHI, Olle	Nippon Ericsson K.K.			
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version, comments):</i>						
	SP-11 2001-04-10 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
			<i>remarks - this release:</i> 2002-06-18: not useful to upgrade to Rel-5?				

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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**TR 26.975 Performance characterization of the Adaptive Multi-Rate (AMR) speech codec**  
Rel-4 *current version:* 4.1.0 *WG (prime / other):* S4 / - *rapporteur:* EKUDDEN, Erik Telefon AB LM Ericsson  
*freeze\_meeting:* SP-11 *G: yes U: yes* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
SP-11 2001-04-10 4 . 0 . 0 [get it](#) *remarks - general:* Replaces 26.075. 2001-10-02: Also for GSM.  
SP-13 2001-10-02 4 . 1 . 0 [get it](#) *remarks - this release:*

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**TR 26.978 Results of the AMR noise suppression selection phase**  
Rel-4 *current version:* 4.0.0 *WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*freeze\_meeting:* SP-11 *G: yes U: yes* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
SP-11 2001-04-10 4 . 0 . 0 [get it](#) *remarks - general:* Replaces 26.078  
*remarks - this release:* Replaces 26.078

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Rel-4 **27** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/27\\_series](http://www.3gpp.org/ftp/Specs/archive/27_series)

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**TS 27.001 General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)**  
Rel-4 *current version:* 4.11.0 *WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*freeze\_meeting:* SP-11 *G: yes U: yes* *MCC:* BOSWARTHICK, David  
*history (event, available, version, comments):*  
NP-08 2000-06-28 4 . 0 . 0 [get it](#) *remarks - general:*  
NP-09 2000-10-23 4 . 1 . 0 [get it](#) *remarks - this release:*  
NP-10 2001-01-04 4 . 2 . 0 [get it](#)  
NP-11 2001-04-05 4 . 3 . 0 [get it](#)  
NP-12 2001-07-04 4 . 4 . 0 [get it](#)  
NP-13 2001-10-10 4 . 5 . 0 [get it](#)  
NP-14 2002-01-11 4 . 6 . 0 [get it](#)  
NP-15 2002-03-20 4 . 7 . 0 [get it](#)  
NP-17 2002-09-17 4 . 8 . 0 [get it](#)  
NP-19 2003-03-27 4 . 9 . 0 [get it](#)  
NP-20 2003-06-25 4 . 10 . 0 [get it](#)  
NP-21 2003-10-01 4 . 11 . 0 [get it](#)

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## TS 27.002 Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities

Rel-4 *current version:* 4.0.0 *WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*freeze\_meeting:* SP-11 *G: yes U: yes* *MCC:* BOSWARTHICK, David  
*history (event, available, version, comments):*  
NP-09 (probably) 2000-10-12 4 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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## TS 27.003 Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities

Rel-4 *current version:* 4.1.0 *WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*freeze\_meeting:* SP-11 *G: yes U: yes* *MCC:* BOSWARTHICK, David  
*history (event, available, version, comments):*  
NP-10 2000-12-22 4 . 0 . 0 [get it](#) *remarks - general:*  
NP-11 2001-04-02 4 . 1 . 0 [get it](#) *remarks - this release:*

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## TS 27.005 Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)

Rel-4 *current version:* 4.2.0 *WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*freeze\_meeting:* SP-11 *G: yes U: yes* *MCC:* RODERMUND, Friedhelm  
*history (event, available, version, comments):*  
TP-11 2001-04-06 4 . 0 . 0 [get it](#) *remarks - general:*  
TP-13 2001-10-04 4 . 1 . 0 [get it](#) *remarks - this release:*  
TP-16 2002-06-25 4 . 2 . 0 [get it](#)

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## TS 27.007 AT command set for 3G User Equipment (UE)

Rel-4 *current version:* 4.6.0 *WG (prime / other):* T2 / - *rapporteur:* CHRISTENSEN, Soren Telefon AB LM Ericsson  
*freeze\_meeting:* SP-11 *G: yes U: yes* *MCC:* RODERMUND, Friedhelm  
*history (event, available, version, comments):*  
TP-09 2000-10-11 4 . 0 . 0 [get it](#) *remarks - general:*  
TP-11 2001-04-11 4 . 1 . 0 [get it](#) *remarks - this release:*  
TP-12 2001-07-04 4 . 2 . 0 [get it](#)  
TP-14 2002-01-15 4 . 3 . 0 [get it](#)  
TP-15 2002-04-04 4 . 4 . 0 [get it](#)  
TP-18 2002-12-20 4 . 5 . 0 [get it](#)  
TP-19 2003-03-31 4 . 6 . 0 [get it](#)

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<b>TS 27.010</b>	<b>Terminal Equipment to User Equipment (TE-UE) multiplexer protocol</b>								
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i>	T2 / -	<i>rapporteur:</i>	BROOK, Richard	SAMSUNG Electronics Research Institute			
	<i>freeze_meeting:</i> SP-11	G: yes U: yes		<i>MCC:</i>	RODERMUND, Friedhelm				
	<i>history (event, available, version, comments):</i>								
	TP-11 2001-04-06 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	TP-13 2001-10-04 4 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>				
	TP-15 2002-03-25 4 . 2 . 0			<a href="#">get it</a>					
<hr/>									
<b>TS 27.060</b>	<b>Packet domain; Mobile Station (MS) supporting Packet Switched services</b>								
Rel-4	<i>current version:</i> 4.3.1	<i>WG (prime / other):</i>	N3 / -	<i>rapporteur:</i>	BOSWARTHICK, David	ETSI Secretariat			
	<i>freeze_meeting:</i> SP-11	G: yes U: yes		<i>MCC:</i>	BOSWARTHICK, David				
	<i>history (event, available, version, comments):</i>								
	NP-11 2001-04-06 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	GPRS			
	NP-16 2002-06-24 4 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>				
	NP-17 2002-09-17 4 . 2 . 0			<a href="#">get it</a>					
	NP-20 2003-06-23 4 . 3 . 0			<a href="#">get it</a>					
	edito post NP-20: 2003-07-01 4 . 3 . 1			<a href="#">get it</a>					
	corrects typo								
	(wrong version no.								
	on cover)								
<hr/>									
<b>TS 27.103</b>	<b>Wide Area Network Synchronization</b>								
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i>	T2 / -	<i>rapporteur:</i>	CHAU, Alan	NOKIA UK Ltd			
	<i>freeze_meeting:</i> SP-11	G: yes U: yes		<i>MCC:</i>	RODERMUND, Friedhelm				
	<i>history (event, available, version, comments):</i>								
	TP-11 2001-04-02 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>				
<hr/>									
<b>TR 27.901</b>	<b>Report on Terminal Interfaces - An Overview</b>								
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i>	T2 / -	<i>rapporteur:</i>	REX, Thomas	ERICSSON MOBILE COMMUNICATIONS AB			
	<i>freeze_meeting:</i> SP-11	G: U: yes		<i>MCC:</i>	RODERMUND, Friedhelm				
	<i>history (event, available, version, comments):</i>								
	TP-11 2001-04-02 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	TP-15 2002-03-26 4 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>				

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## TR 27.903 Discussion of synchronization standards

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-11  
*history (event, available, version, comments):*  
TP-11 2001-04-02 4 . 0 . 0

*WG (prime / other):* T2 / - *rapporteur:* LOCKHART, Rob Motorola Inc.  
*G:* U: yes *MCC:* RODERMUND, Friedhelm

[get it](#) *remarks - general:*  
*remarks - this release:* TP-15: Not to be promoted to Rel-5.

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## TS 28.062 Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3

Rel-4 *current version:* 4.5.0  
*freeze\_meeting:* SP-11  
*history (event, available, version, comments):*  
SP-05 1999-10-13 0 . 0 . 0  
SP-09 2000-10-18 0 . 0 . 3  
SP-10 2000-12-21 1 . 0 . 0 NP-000568  
draft 2001-02-08 1 . 1 . 0  
SP-11 2001-04-10 4 . 0 . 0  
SP-12 2001-06-27 4 . 1 . 0  
edito 2001-10-01 4 . 1 . 1  
SP-14 2002-01-09 4 . 2 . 0  
SP-15 2002-03-28 4 . 3 . 0  
SP-16 2002-06-28 4 . 4 . 0  
SP-18 2003-01-03 4 . 5 . 0

*WG (prime / other):* S4 / - *rapporteur:* SUERBAUM, Clemens SIEMENS AG  
*G:* yes *U:* yes *MCC:* USAI, Paolino

[get it](#) *remarks - general:* Transfer>TSG#4  
[get it](#) *remarks - this release:* TSG#11: Usai: may need 48.062. Later, no: applies to 3G too.  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 29.002 Mobile Application Part (MAP) specification

Rel-4 *current version:* 4.14.0

*freeze\_meeting:* SP-11

*WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

NP-08	2000-06-23	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
edito	2000-08-04	4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>
edito	2000-08-11	4 . 0 . 2	<a href="#">get it</a>	
NP-09	2000-10-26	4 . 1 . 0	<a href="#">get it</a>	
NP-10	2000-12-20	4 . 2 . 0	<a href="#">get it</a>	
edito	2001-02-01	4 . 2 . 1	<a href="#">get it</a>	
NP-11	2001-04-06	4 . 3 . 0	<a href="#">get it</a>	
NP-12	2001-07-06	4 . 4 . 0	<a href="#">get it</a>	
edito	2001-08-16	4 . 4 . 1	<a href="#">get it</a>	
NP-13	2001-10-03	4 . 5 . 0	<a href="#">get it</a>	
NP-14	2002-01-18	4 . 6 . 0	<a href="#">get it</a>	
NP-15	2002-04-04	4 . 7 . 0	<a href="#">get it</a>	
NP-16	2002-06-21	4 . 8 . 0	<a href="#">get it</a>	
NP-17	2002-09-24	4 . 9 . 0	<a href="#">get it</a>	
NP-18	2003-01-09	4 . 10 . 0	<a href="#">get it</a>	
NP-19	2003-04-04	4 . 11 . 0	<a href="#">get it</a>	
NP-20	2003-07-04	4 . 12 . 0	<a href="#">get it</a>	delayed availability due to complexity of changes
NP-21	2003-10-09	4 . 13 . 0	<a href="#">get it</a>	
NP-23	2004-03-23	4 . 14 . 0	<a href="#">get it</a>	

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<b>TS 29.007</b>	<b>General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone</b>								
Rel-4	<i>current version:</i> 4.10.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> KLEHN, Norbert	SIEMENS AG					
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	MCC:	BOSWARTHICK, David					
	<i>history (event, available, version, comments):</i>								
	NP-09 2000-10-12	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
	NP-10 2001-01-04	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					
	NP-11 2001-03-29	4 . 2 . 0	<a href="#">get it</a>						
	NP-14 2002-01-11	4 . 3 . 0	<a href="#">get it</a>						
	NP-16 2002-06-24	4 . 4 . 0	<a href="#">get it</a>						
	NP-17 2002-09-17	4 . 5 . 0	<a href="#">get it</a>						
	NP-18 2003-01-09	4 . 6 . 0	<a href="#">get it</a>						
	NP-19 2003-03-27	4 . 7 . 0	<a href="#">get it</a>						
	NP-20 2003-06-23	4 . 8 . 0	<a href="#">get it</a>						
	NP-21 2003-10-01	4 . 9 . 0	<a href="#">get it</a>						
	NP-22 2004-01-22	4 . 10 . 0	<a href="#">get it</a>						

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<b>TS 29.010</b>	<b>Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling</b>								
Rel-4	<i>current version:</i> Procedures and the Mobile Application Part (MAP)	<i>4.8.0WG (prime / other):</i> N4	<i>rapporteur:</i> KYMALAINEN, Kimmo						
TeliaSonera AB									
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	MCC:	KYMALAINEN, Kimmo					
	<i>history (event, available, version, comments):</i>								
	NP-11 2001-03-30	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4 (transfer??)					
	NP-12 2001-07-06	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					
	NP-14 2002-01-11	4 . 2 . 0	<a href="#">get it</a>						
	NP-16 2002-06-21	4 . 3 . 0	<a href="#">get it</a>						
	NP-17 2002-09-18	4 . 4 . 0	<a href="#">get it</a>						
	NP-18 2003-01-07	4 . 5 . 0	<a href="#">get it</a>						
	NP-20 2003-06-27	4 . 6 . 0	<a href="#">get it</a>						
	NP-22 2004-01-12	4 . 7 . 0	<a href="#">get it</a>						
	NP-23 2004-03-24	4 . 8 . 0	<a href="#">get it</a>						

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<b>TS 29.011</b>	<b>Signalling Interworking for Supplementary Services</b>								
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software					
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	MCC:	KYMALAINEN, Kimmo					
	<i>history (event, available, version, comments):</i>								
	NP-11 2001-04-04	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
	correct references 2002-06-25	4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>					

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<b>TS 29.013</b>	<b>Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols</b>			
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo	
	<i>history (event, available, version, comments):</i>			
	NP-11	2001-04-04	4 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i> Transfer>TSG#4
	update references	2002-06-24	4 . 0 . 1	<a href="#">get it</a> <i>remarks - this release:</i>

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<b>TS 29.016</b>	<b>Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification</b>			
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> DAWES, Peter	VODAFONE LTD
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> JORGENSEN, Per Johan	
	<i>history (event, available, version, comments):</i>			
	NP-11	2001-04-06	4 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i>
	NP-16	2002-06-26	4 . 1 . 0	<a href="#">get it</a> <i>remarks - this release:</i>

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<b>TS 29.018</b>	<b>General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification</b>			
Rel-4	<i>current version:</i> 4.5.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> DAWES, Peter	VODAFONE LTD
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> JORGENSEN, Per Johan	
	<i>history (event, available, version, comments):</i>			
	NP-11	2001-04-06	4 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i>
	NP-13	2001-10-03	4 . 1 . 0	<a href="#">get it</a> <i>remarks - this release:</i>
	NP-14	2002-01-04	4 . 2 . 0	<a href="#">get it</a>
	NP-15	2002-03-19	4 . 3 . 0	<a href="#">get it</a>
	NP-16	2002-06-26	4 . 4 . 0	<a href="#">get it</a>
	NP-21	2003-10-10	4 . 5 . 0	<a href="#">get it</a>

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 29.060</b>	<b>General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface</b>					
Rel-4	<i>current version:</i> 4.11.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-03-30 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-12 2001-07-04 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	NP-13 2001-10-03 4 . 2 . 0	<a href="#">get it</a>				
	NP-14 2002-01-11 4 . 3 . 0	<a href="#">get it</a>				
	NP-15 2002-03-28 4 . 4 . 0	<a href="#">get it</a>				
	NP-17 2002-09-18 4 . 5 . 0	<a href="#">get it</a>				
	NP-18 2003-01-07 4 . 6 . 0	<a href="#">get it</a>				
	NP-19 2003-04-04 4 . 7 . 0	<a href="#">get it</a>				
	NP-20 2003-06-27 4 . 8 . 0	<a href="#">get it</a>				
	NP-21 2003-10-09 4 . 9 . 0	<a href="#">get it</a>				
	NP-22 2004-01-12 4 . 10 . 0	<a href="#">get it</a>				
	NP-23 2004-03-24 4 . 11 . 0	<a href="#">get it</a>				

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<b>TS 29.061</b>	<b>Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)</b>					
Rel-4	<i>current version:</i> 4.9.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> HUSLENDE, Ragnar	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-06 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Former title: "General Packet Radio Service (GPRS); Interworking between the Public		
	NP-12 2001-06-28 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	Land Mobile Network (PLMN) supporting GPRS and Packet".		
	NP-13 2001-10-12 4 . 2 . 0	<a href="#">get it</a>				
	NP-14 2002-01-14 4 . 3 . 0	<a href="#">get it</a>				
	NP-15 2002-03-20 4 . 4 . 0	<a href="#">get it</a>				
	NP-16 2002-07-02 4 . 5 . 0	<a href="#">get it</a>				
	NP-18 2003-01-09 4 . 6 . 0	<a href="#">get it</a>				
	NP-19 2003-03-27 4 . 7 . 0	<a href="#">get it</a>				
	NP-20 2003-06-23 4 . 8 . 0	<a href="#">get it</a>				
	NP-22 2004-01-15 4 . 9 . 0	<a href="#">get it</a>				

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 29.078</b>	<b>customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification</b>				
Rel-4	<i>current version:</i> 4.8.0	<i>WG (prime / other):</i> N2 / -	<i>rapporteur:</i> NOLDUS, Rogier	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> JURISIC, Andrijana		
	<i>history (event, available, version, comments):</i>				
	NP-11	2001-03-29	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4
	NP-12	2001-07-03	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> Phase 3
	NP-13	2001-10-03	4 . 2 . 0	<a href="#">get it</a>	
	NP-14	2002-01-04	4 . 3 . 0	<a href="#">get it</a>	
	NP-15	2002-03-19	4 . 4 . 0	<a href="#">get it</a>	
	NP-16	2002-06-17	4 . 5 . 0	<a href="#">get it</a>	
	NP-17	2002-09-17	4 . 6 . 0	<a href="#">get it</a>	
	NP-18	2002-12-18	4 . 7 . 0	<a href="#">get it</a>	
	NP-19	2003-03-25	4 . 8 . 0	<a href="#">get it</a>	

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<b>TS 29.108</b>	<b>Application of the Radio Access Network Application Part (RANAP) on the E-interface</b>				
Rel-4	<i>current version:</i> 4.4.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> VESELY, Alexander	SIEMENS AG	
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> CALDENHOVEN, Juergen		
	<i>history (event, available, version, comments):</i>				
	RP-11	2001-04-06	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> TSG#8:Appeared as v2.0.0 (RP-000258)
	RP-13	2001-10-12	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
	RP-16	2002-06-28	4 . 2 . 0	<a href="#">get it</a>	
	RP-18	2003-01-03	4 . 3 . 0	<a href="#">get it</a>	
	RP-19	2003-03-26	4 . 4 . 0	<a href="#">get it</a>	

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<b>TS 29.119</b>	<b>GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)</b>				
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> AIKAWA, Shinichiro	Fujitsu Limited	
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>				
	NP-11	2001-04-04	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> New after TSG#5
					<i>remarks - this release:</i>

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<b>TS 29.120</b>	<b>Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3</b>				
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> MITAMURA, Kazuo	NTT COMWARE Corporation	
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>				
	NP-09	2000-10-25	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> New after TSG#5
					<i>remarks - this release:</i>

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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## TS 29.198-01 Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview

Rel-4 *current version:* 4.3.4 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-11 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-11	2001-03-27	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
NP-12	2001-06-29	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
NP-13	2001-10-08	4 . 2 . 0	<a href="#">get it</a>	
NP-14	2002-01-08	4 . 3 . 0	<a href="#">get it</a>	
edito	2002-03-20	4 . 3 . 1	<a href="#">get it</a>	
edito (references etc)	2003-03-31	4 . 3 . 2	<a href="#">get it</a>	
edito	2003-06-18	4 . 3 . 3	<a href="#">get it</a>	Introduction - update of table explaining how the various releases of ETSI, Parlay and 3GPP OSA specifications correspond; References
edito	2004-01-14	4 . 3 . 4	<a href="#">get it</a>	Introiduction - update of tables explaining how the various releases of ETSI, Parlay and 3GPP OSA specifications correspond

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## TS 29.198-02 Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data

Rel-4 *current version:* 4.7.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-11 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-11	2001-03-27	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
NP-12	2001-06-29	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
NP-13	2001-10-08	4 . 2 . 0	<a href="#">get it</a>	
NP-14	2002-01-08	4 . 3 . 0	<a href="#">get it</a>	
NP-15	2002-03-20	4 . 4 . 0	<a href="#">get it</a>	
NP-19	2003-03-31	4 . 5 . 0	<a href="#">get it</a>	
NP-20	2003-06-18	4 . 6 . 0	<a href="#">get it</a>	
NP-22	2004-01-14	4 . 7 . 0	<a href="#">get it</a>	

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 29.198-03 Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework

Rel-4 *current version:* 4.8.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-11 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-11	2001-03-27	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
NP-12	2001-06-29	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
NP-13	2001-10-08	4 . 2 . 0	<a href="#">get it</a>	
NP-14	2002-01-08	4 . 3 . 0	<a href="#">get it</a>	
NP-15	2002-03-20	4 . 4 . 0	<a href="#">get it</a>	
NP-16	2002-07-05	4 . 5 . 0	<a href="#">get it</a>	
NP-17	2002-10-01	4 . 6 . 0	<a href="#">get it</a>	
NP-19	2003-03-31	4 . 7 . 0	<a href="#">get it</a>	
NP-20	2003-06-18	4 . 8 . 0	<a href="#">get it</a>	

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## TS 29.198-04 Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control

Rel-4 *current version:* 4.8.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-11		1 . 0 . 0		<i>remarks - general:</i>
edito	2001-03-27	1 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>
NP-12		2 . 0 . 0		
NP-12	2001-06-29	4 . 0 . 0	<a href="#">get it</a>	
NP-13	2001-10-12	4 . 1 . 0	<a href="#">get it</a>	
NP-14	2002-01-08	4 . 2 . 0	<a href="#">get it</a>	
NP-15	2002-03-20	4 . 3 . 0	<a href="#">get it</a>	
NP-16	2002-07-05	4 . 4 . 0	<a href="#">get it</a>	
NP-17	2002-10-01	4 . 5 . 0	<a href="#">get it</a>	
NP-19	2003-03-31	4 . 6 . 0	<a href="#">get it</a>	
NP-20	2003-06-18	4 . 7 . 0	<a href="#">get it</a>	
NP-22	2004-01-14	4 . 8 . 0	<a href="#">get it</a>	

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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## TS 29.198-05 Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction

Rel-4 *current version:* 4.8.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-11 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-11	2001-03-27	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
NP-12	2001-06-29	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
NP-13	2001-10-08	4 . 2 . 0	<a href="#">get it</a>	
NP-14	2002-01-08	4 . 3 . 0	<a href="#">get it</a>	
NP-15	2002-03-20	4 . 4 . 0	<a href="#">get it</a>	
NP-17	2002-10-01	4 . 5 . 0	<a href="#">get it</a>	
NP-19	2003-03-31	4 . 6 . 0	<a href="#">get it</a>	
NP-20	2003-06-18	4 . 7 . 0	<a href="#">get it</a>	
NP-22	2004-01-14	4 . 8 . 0	<a href="#">get it</a>	

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## TS 29.198-06 Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility

Rel-4 *current version:* 4.5.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-11 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-11	2001-03-27	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
NP-12	2001-06-29	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
IDL file corrected	2001-07-12	4 . 1 . 1	<a href="#">get it</a>	
NP-13	2001-10-08	4 . 2 . 0	<a href="#">get it</a>	
edito	2001-10-12	4 . 2 . 1	<a href="#">get it</a>	
NP-14	2002-01-08	4 . 3 . 0	<a href="#">get it</a>	
NP-15	2002-03-20	4 . 4 . 0	<a href="#">get it</a>	
NP-19	2003-03-31	4 . 5 . 0	<a href="#">get it</a>	

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## TS 29.198-07 Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities

Rel-4 *current version:* 4.5.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-11 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-11	2001-03-27	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
NP-12	2001-06-29	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
NP-13	2001-10-08	4 . 2 . 0	<a href="#">get it</a>	
NP-14	2002-01-08	4 . 3 . 0	<a href="#">get it</a>	
NP-15	2002-03-20	4 . 4 . 0	<a href="#">get it</a>	
NP-19	2003-03-31	4 . 5 . 0	<a href="#">get it</a>	

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 29.198-08 Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control

Rel-4 *current version:* 4.7.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-11 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-11	2001-03-27	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
NP-12	2001-06-29	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
NP-13	2001-10-08	4 . 2 . 0	<a href="#">get it</a>	
NP-14	2002-01-08	4 . 3 . 0	<a href="#">get it</a>	
NP-15	2002-03-20	4 . 4 . 0	<a href="#">get it</a>	
NP-17	2002-10-01	4 . 5 . 0	<a href="#">get it</a>	
NP-19	2003-03-31	4 . 6 . 0	<a href="#">get it</a>	
NP-20	2003-06-18	4 . 7 . 0	<a href="#">get it</a>	

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## TS 29.198-11 Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management

Rel-4 *current version:* 4.4.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-11		1 . 0 . 0		<i>remarks - general:</i>
edito	2001-03-27	1 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>
NP-12	2001-06-29	4 . 0 . 0	<a href="#">get it</a>	
NP-13	2001-10-08	4 . 1 . 0	<a href="#">get it</a>	
NP-14	2002-01-08	4 . 2 . 0	<a href="#">get it</a>	
NP-15	2002-03-20	4 . 3 . 0	<a href="#">get it</a>	
NP-19	2003-03-31	4 . 4 . 0	<a href="#">get it</a>	

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## TS 29.198-12 Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging

Rel-4 *current version:* 4.5.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-11		1 . 0 . 0		<i>remarks - general:</i>
edito	2001-03-27	1 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>
NP-12		2 . 0 . 0		
NP-12	2001-06-29	4 . 0 . 0	<a href="#">get it</a>	
NP-13	2001-10-08	4 . 1 . 0	<a href="#">get it</a>	
NP-14	2002-01-08	4 . 2 . 0	<a href="#">get it</a>	
NP-15	2002-03-20	4 . 3 . 0	<a href="#">get it</a>	
NP-19	2003-03-31	4 . 4 . 0	<a href="#">get it</a>	
NP-22	2004-01-14	4 . 5 . 0	<a href="#">get it</a>	

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 29.202 Signalling System No. 7 (SS7) signalling transport in core network; Stage 3

Rel-4 *current version:* 4.3.0 *WG (prime / other):* N4 / *rapporteur:* ANGELO, Ciriaco Telefon AB LM Ericsson  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

NP-11	2001-04-02	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
edito	2001-05-09	4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>
NP-13	2001-10-03	4 . 1 . 0	<a href="#">get it</a>	
correct references	2002-06-25	4 . 1 . 1	<a href="#">get it</a>	
NP-17	2002-09-18	4 . 2 . 0	<a href="#">get it</a>	
NP-18	2003-01-07	4 . 3 . 0	<a href="#">get it</a>	

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## TS 29.205 Application of Q.1900 series to bearer-independent Circuit Switched (CS) core network architecture; Stage 3

Rel-4 *current version:* 4.2.0 *WG (prime / other):* N4 / *rapporteur:* HEIDERMARK, Alf Telefon AB LM Ericsson  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

NP-11	2001-03-30	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
NP-12	2001-07-04	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
NP-13	2001-10-03	4 . 2 . 0	<a href="#">get it</a>	

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## TS 29.232 Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3

Rel-4 *current version:* 4.8.0 *WG (prime / other):* N4 / - *rapporteur:* PARK, Ian David VODAFONE LTD  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

NP-10	2001-01-12	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Additional rapporteur: Laura.Pomponi@CSELT.IT
NP-11	2001-03-30	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
NP-12	2001-07-04	4 . 1 . 0	<a href="#">get it</a>	
NP-13	2001-10-05	4 . 2 . 0	<a href="#">get it</a>	
NP-14	2002-01-11	4 . 3 . 0	<a href="#">get it</a>	
NP-15	2002-03-28	4 . 4 . 0	<a href="#">get it</a>	
NP-16	2002-06-21	4 . 5 . 0	<a href="#">get it</a>	
NP-17	2002-09-18	4 . 6 . 0	<a href="#">get it</a>	
NP-18	2003-01-07	4 . 7 . 0	<a href="#">get it</a>	
NP-20	2003-06-27	4 . 8 . 0	<a href="#">get it</a>	

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G = required in systems with GERAN access; U = required in systems with UMTS access.



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<b>TS 29.414</b>	<b>Core network Nb data transport and transport signalling</b>					
Rel-4	<i>current version:</i> 4.4.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BELLING, Thomas	SIEMENS AG		
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-06 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-12 2001-06-28 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	NP-13 2001-10-03 4 . 2 . 0	<a href="#">get it</a>				
	NP-14 2002-01-11 4 . 3 . 0	<a href="#">get it</a>				
	NP-15 2002-03-20 4 . 4 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 29.415</b>	<b>Core network Nb interface user plane protocols</b>					
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BELLING, Thomas	SIEMENS AG		
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-06 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-13 2001-10-03 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	NP-14 2002-01-11 4 . 2 . 0	<a href="#">get it</a>				
	NP-19 2003-03-27 4 . 3 . 0	<a href="#">get it</a>				
<hr/>						
<b>TR 29.994</b>	<b>Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults</b>					
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> N1 / RP	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	Skov			
	<i>history (event, available, version, comments):</i>		<i>MCC:</i> JORGENSEN, Per Johan			
	NP-16 2002-06-26 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest		
	edito post NP-18 2002-12-16 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>	. Release version.		
				TR.		
<hr/>						
<b>TR 29.998-01</b>	<b>Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General Issues on API Mapping</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N5 /	<i>rapporteur:</i> ABARCA, Chelo	ALCATEL S.A.		
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-02 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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**TR 29.998-04-1 Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 1: API to CAP Mapping**

Rel-4 *current version:* 4.2.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-11 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-11	2001-04-02	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
NP-12	2001-06-29	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
NP-13	2001-10-05	4	.	2	.	0	<a href="#">get it</a>

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**TR 29.998-05-1 Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 1: API to CAP Mapping**

Rel-4 *current version:* 4.0.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-11 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-11	2001-04-02	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i>
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**TR 29.998-05-4 Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 4: API to SMS Mapping**

Rel-4 *current version:* 4.0.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-12 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-11	2001-03-26	1	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
edito	2001-04-02	1	.	0	.	1	<a href="#">get it</a> <i>remarks - this release:</i>
NP-12		2	.	0	.	0	
NP-12	2001-06-29	4	.	0	.	0	<a href="#">get it</a>

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**TR 29.998-06 Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 6: User Location and User Status Service Mapping to MAP**

Rel-4 *current version:* 4.0.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-11 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-11	2001-04-02	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i>
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**TR 29.998-08 Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 8: Data Session Control Service Mapping to CAP**

Rel-4 *current version:* 4.0.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-11 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

NP-11	2001-04-02	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i>
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Rel-4 30 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/30\\_series](http://www.3gpp.org/ftp/Specs/archive/30_series)

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**TR 30.902 Guidelines for the modification of the Mobile Application Part (MAP)**  
Rel-4 *current version:* 4.0.2 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* NP-19 *G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
NP-19 2003-04-07 4 . 0 . 2 Technically identical to 30.002 v4.0.1. [get it](#) *remarks - general:* NP-19: Number of TR 30.002 changed to avoid potential confusion with old SMG 3.0x  
*remarks - this release:* . series.

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**TS 31.048 Test specification for security mechanisms for the (U)SIM application toolkit**  
Rel-4 *current version:* none *WG (prime / other):* T3 / - *rapporteur:* VIALLET, Sophie Indicate persons who left Company and wait for new  
*freeze\_meeting:* TP-21 *G:* yes *U:* yes *MCC:* JURISIC, Andrijana One  
*history (event, available, version, comments):*  
*remarks - general:* Test spec for 23.048.  
*remarks - this release:*

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**TS 31.101 UICC-terminal interface; Physical and logical characteristics**  
Rel-4 *current version:* 4.1.0 *WG (prime / other):* T3 / SCP *rapporteur:* VESTERGAARD, Peter NOKIA UK Ltd  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* JURISIC, Andrijana  
*history (event, available, version, comments):*  
TP-11 2001-04-09 4 . 0 . 0 [get it](#) *remarks - general:* Contents is a reference to ETSI TR 102 221.  
TP-18 2003-01-02 4 . 1 . 0 [get it](#) *remarks - this release:*

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<b>TS 31.102</b>	<b>Characteristics of the USIM application</b>								
Rel-4	<i>current version:</i> 4.12.0			WG (prime / other):	T3 / -	<i>rapporteur:</i>	RUBON, Jean-Francois	GEMPLUS S.A.	
	<i>freeze_meeting:</i> SP-11			G:	U: yes	<i>MCC:</i>	JURISIC, Andrijana		
	<i>history (event, available, version, comments):</i>								
	TP-11	2001-04-09	4 . 0 . 0			<a href="#">get it</a>			<i>remarks - general:</i>
	TP-12	2001-07-23	4 . 1 . 0			<a href="#">get it</a>			<i>remarks - this release:</i>
	TP-13	2001-10-11	4 . 2 . 0			<a href="#">get it</a>			
	TP-14	2002-01-17	4 . 3 . 0			<a href="#">get it</a>			
	TP-15	2002-03-28	4 . 4 . 0			<a href="#">get it</a>			
	TP-16	2002-06-28	4 . 5 . 0			<a href="#">get it</a>			
	TP-17	2002-09-25	4 . 6 . 0			<a href="#">get it</a>			
	TP-18	2003-01-02	4 . 7 . 0			<a href="#">get it</a>			
	TP-19	2003-04-01	4 . 8 . 0			<a href="#">get it</a>			
	TP-20	2003-06-23	4 . 9 . 0			<a href="#">get it</a>			
	TP-21	2003-09-30	4 . 10 . 0			<a href="#">get it</a>			
	TP-22	2004-01-12	4 . 11 . 0			<a href="#">get it</a>			
	TP-23	2004-03-25	4 . 12 . 0			<a href="#">get it</a>			

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<b>TS 31.110</b>	<b>Numbering system for telecommunication IC card applications</b>								
Rel-4	<i>current version:</i> 4.1.0			WG (prime / other):	T3 / -	<i>rapporteur:</i>	DIETRICH, Christian	Axalto S.A.	
	<i>freeze_meeting:</i> SP-11			G:	U: yes	<i>MCC:</i>	JURISIC, Andrijana		
	<i>history (event, available, version, comments):</i>								
	TP-11	2001-05-16	4 . 0 . 0			<a href="#">get it</a>			<i>remarks - general:</i> Sanders April 2001: Will be scrapped in favour of an ETSI SCP document. May 2001: to scrap in favour of an ETSI SCP deliverable only
	TP-14	2002-01-16	4 . 1 . 0			<a href="#">get it</a>			<i>remarks - this release:</i> Sanders: "unscrapped". Contents will be change to a reference to ETSI TS 101 220.

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 31.111</b>	<b>Universal Subscriber Identity Module Application Toolkit (USAT)</b>								
Rel-4	<i>current version:</i> 4.11.0	<i>WG (prime / other):</i> T3 / -	<i>rporteur:</i> WOODSEND, Kristian	Indicate persons who left Company and wait for new One					
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> JURISIC, Andrijana						
	<i>history (event, available, version, comments):</i>								
	TP-09 2000-10-18	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.				
	TP-10 2001-01-05	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					
	TP-11 2001-04-09	4 . 2 . 0	<a href="#">get it</a>						
	edito 2001-04-10	4 . 2 . 1	<a href="#">get it</a>						
	TP-12 2001-07-06	4 . 3 . 0	<a href="#">get it</a>						
	TP-13 2001-10-12	4 . 4 . 0	<a href="#">get it</a>						
	TP-14 2002-01-16	4 . 5 . 0	<a href="#">get it</a>						
	TP-15 2002-03-28	4 . 6 . 0	<a href="#">get it</a>						
	TP-16 2002-06-28	4 . 7 . 0	<a href="#">get it</a>						
	TP-17 2002-09-18	4 . 8 . 0	<a href="#">get it</a>						
	TP-18 2003-01-02	4 . 9 . 0	<a href="#">get it</a>						
	TP-19 2003-04-04	4 . 10 . 0	<a href="#">get it</a>						
	TP-21 2003-09-29	4 . 11 . 0	<a href="#">get it</a>						

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<b>TS 31.120</b>	<b>UICC-terminal interface; Physical, electrical and logical test specification</b>								
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> T3 / -	<i>rporteur:</i> MAESER, Torsten	Orga Test Systems Gmbh					
	<i>freeze_meeting:</i> SP-11	<i>G:</i> <i>U:</i> yes	<i>MCC:</i> JURISIC, Andrijana						
	<i>history (event, available, version, comments):</i>								
				<i>remarks - general:</i>	based on R99 core spec; split into 2 parts (this is 1). TSG#11:moved to ETSI-SCP				
				<i>remarks - this release:</i>	Created belatedly when R99 version was reinstated after TP-12. Anticipate document at TP-13.				

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 31.121 UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification

Rel-4 *current version:* 4.7.0 *WG (prime / other):* T3 / - *rapporteur:* AFCHAR, Ramin VODAFONE Group Plc  
*freeze\_meeting:* SP-12 *G:* *U:* yes *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*

TP-12	2001-07-06	4	.	0	.	0
TP-16	2002-06-19	4	.	1	.	0
TP-17	2002-09-18	4	.	2	.	0
TP-18	2003-01-02	4	.	3	.	0
TP-19	2003-03-26	4	.	4	.	0
TP-20	2003-06-23	4	.	5	.	0
TP-21	2003-09-29	4	.	6	.	0
TP-23	2004-03-26	4	.	7	.	0

[get it](#) *remarks - general:* based on R99 core spec; split into 2 parts (this is 2)  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 31.122 Universal Subscriber Identity Module (USIM) conformance test specification

Rel-4 *current version:* none *WG (prime / other):* T3 / - *rapporteur:* KNIGHT, Simon ASPECTS Software Ltd  
*freeze\_meeting:* SP-12 *G:* *U:* yes *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*

*remarks - general:* based on R99 core spec; was originally 31.121 but renumbered which 31.120 was  
*remarks - this release:* 2003-07-15 (Dietze): will not progress to Rel-5, since no SIM device beyond Rel-4.  
split into two parts

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Rel-4 32 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/32\\_series](http://www.3gpp.org/ftp/Specs/archive/32_series)

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## TS 32.101 Telecommunication management; Principles and high level requirements

Rel-4 *current version:* 4.2.1 *WG (prime / other):* S5 / - *rapporteur:* TRUSS, Michael MOTOROLA Ltd  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-11	2001-03-28	4	.	0	.	0
edito	2001-04-11	4	.	0	.	1
SP-12	2001-07-03	4	.	1	.	0
SP-13	2001-10-05	4	.	2	.	0
edito	2002-03-26	4	.	2	.	1

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)

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## TS 32.102 Telecommunication management; Architecture

Rel-4 *current version:* 4.5.0 *WG (prime / other):* S5 / - *rapporteur:* BERGGREN, Tommy TeliaSonera AB  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-11	2001-03-28	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
SP-12	2001-07-03	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
SP-13	2001-10-05	4	.	2	.	0	<a href="#">get it</a>
SP-19	2003-03-31	4	.	3	.	0	<a href="#">get it</a>
SP-21	2003-10-03	4	.	4	.	0	<a href="#">get it</a>
SP-23	2004-03-23	4	.	5	.	0	<a href="#">get it</a>

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## TS 32.111-1 Telecommunication management; Fault Management; Part 1: 3G fault management requirements

Rel-4 *current version:* 4.0.1 *WG (prime / other):* S5 / - *rapporteur:* SCHMIDT, Joerg MOTOROLA A/S  
*freeze\_meeting:* SP-12 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-12	2001-07-03	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> TSG#8: split into 4 parts
edito (layout and references)	2003-01-07	4	.	0	.	1	<a href="#">get it</a> <i>remarks - this release:</i>

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## TS 32.111-2 Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)

Rel-4 *current version:* 4.6.0 *WG (prime / other):* S5 / - *rapporteur:* SCHMIDT, Joerg MOTOROLA A/S  
*freeze\_meeting:* SP-12 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-12	2001-07-04	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> TSG#8: split into 4 parts
SP-13	2001-10-05	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
SP-14	2002-01-11	4	.	2	.	0	<a href="#">get it</a>
SP-15	2002-03-26	4	.	3	.	0	<a href="#">get it</a>
SP-17	2002-09-18	4	.	4	.	0	<a href="#">get it</a>
SP-18	2003-01-09	4	.	5	.	0	<a href="#">get it</a>
SP-19	2003-03-31	4	.	6	.	0	<a href="#">get it</a>

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**TS 32.111-3 Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)**

Rel-4 *current version:* 4.6.0 *WG (prime / other):* S5 / - *rapporteur:* TSE, Edwin Ericsson Incorporated  
*freeze\_meeting:* SP-12 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-12	2001-07-04	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> TSG#8: split into 4 parts
SP-13	2001-10-05	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
SP-15	2002-03-26	4	.	2	.	0	<a href="#">get it</a>
SP-16	2002-06-20	4	.	3	.	0	<a href="#">get it</a>
SP-17	2002-09-20	4	.	4	.	0	<a href="#">get it</a>
SP-18	2003-01-09	4	.	5	.	0	<a href="#">get it</a>
SP-19	2003-04-01	4	.	6	.	0	<a href="#">get it</a>

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**TS 32.111-4 Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)**

Rel-4 *current version:* 4.6.0 *WG (prime / other):* S5 / - *rapporteur:* POLLAKOWSKI, Olaf SIEMENS AG  
*freeze\_meeting:* SP-12 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-13	2001-10-05	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> TSG#8: split into 4 parts
SP-14	2002-01-11	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
SP-15	2002-03-26	4	.	2	.	0	<a href="#">get it</a>
SP-16	2002-06-20	4	.	3	.	0	<a href="#">get it</a>
SP-18	2003-01-09	4	.	4	.	0	<a href="#">get it</a>
SP-19	2003-04-01	4	.	5	.	0	<a href="#">get it</a>
SP-21	2003-10-02	4	.	6	.	0	<a href="#">get it</a>

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**TS 32.200 Telecommunication management; Charging management; Charging principles**

Rel-4 *current version:* 4.6.0 *WG (prime / other):* S5 / *rapporteur:* GOERMER, Gerald SIEMENS AG  
*freeze\_meeting:* SP-14 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-12	2001-06-18	1	.	0	.	1	SP-010236 <a href="#">get it</a> <i>remarks - general:</i>
SP-13	2001-10-01	2	.	0	.	0	SP-010464 <a href="#">get it</a> <i>remarks - this release:</i> Had been indicated as approved at SP-12, but this was erroneous.
SP-13	2001-10-05	4	.	0	.	0	<a href="#">get it</a>
SP-15	2002-03-26	4	.	1	.	0	<a href="#">get it</a>
SP-16	2002-06-20	4	.	2	.	0	<a href="#">get it</a>
SP-18	2003-01-06	4	.	3	.	0	<a href="#">get it</a>
SP-19	2003-04-02	4	.	4	.	0	<a href="#">get it</a>
SP-21	2003-10-02	4	.	5	.	0	<a href="#">get it</a>

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## TS 32.205 Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain

Rel-4 *current version:* 4.7.0 *WG (prime / other):* S5 / *rapporteur:* ALEXANDER, Benni NOKIA Corporation

*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

	SP-11	2001-03-29	1	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
	SP-12	2001-06-18	1	.	1	.	1	SP-010236	<a href="#">get it</a>	<i>remarks - this release:</i>
	SP-13	2001-09-26	2	.	0	.	0	SP-010464	<a href="#">get it</a>	
	SP-13	2001-10-09	4	.	0	.	0		<a href="#">get it</a>	
	SP-15	2002-03-26	4	.	1	.	0		<a href="#">get it</a>	
edito post	SP-15	2002-03-27	4	.	1	.	1		<a href="#">get it</a>	
	SP-16	2002-06-20	4	.	2	.	0		<a href="#">get it</a>	
	SP-18	2003-01-09	4	.	3	.	0		<a href="#">get it</a>	
	SP-19	2003-04-02	4	.	4	.	0		<a href="#">get it</a>	
	SP-21	2003-10-02	4	.	5	.	0		<a href="#">get it</a>	
	SP-22	2004-01-05	4	.	6	.	0		<a href="#">get it</a>	
	SP-23	2004-03-24	4	.	7	.	0		<a href="#">get it</a>	

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## TS 32.215 Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain

Rel-4 *current version:* 4.7.0 *WG (prime / other):* S5 / *rapporteur:* ALEXANDER, Benni NOKIA Corporation

*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

	SP-12	2001-06-18	1	.	0	.	1	SP-010236	<a href="#">get it</a>	<i>remarks - general:</i>
	SP-13	2001-10-01	2	.	0	.	0	SP-010464	<a href="#">get it</a>	<i>remarks - this release:</i>
	SP-13	2001-10-09	4	.	0	.	0		<a href="#">get it</a>	
	SP-14	2002-01-11	4	.	1	.	0		<a href="#">get it</a>	
	SP-15	2002-03-26	4	.	2	.	0		<a href="#">get it</a>	
edito post	SP-15	2002-03-27	4	.	2	.	1		<a href="#">get it</a>	
	SP-16	2002-06-20	4	.	3	.	0		<a href="#">get it</a>	
	SP-18	2003-01-09	4	.	4	.	0		<a href="#">get it</a>	
	SP-21	2003-10-02	4	.	5	.	0		<a href="#">get it</a>	
	SP-22	2004-01-05	4	.	6	.	0		<a href="#">get it</a>	
	SP-23	2004-03-24	4	.	7	.	0		<a href="#">get it</a>	

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<b>TS 32.235</b>	<b>Telecommunication management; Charging management; Charging data description for application services</b>								
Rel-4	<i>current version:</i> 4.6.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> GOERMER, Gerald	SIEMENS AG					
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-12	2001-06-18	1 . 0 . 1	SP-010236	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-13	2001-10-01	2 . 0 . 0	SP-010464	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-13	2001-10-08	4 . 0 . 0		<a href="#">get it</a>				
	SP-15	2002-03-26	4 . 1 . 0		<a href="#">get it</a>				
	SP-16	2002-06-20	4 . 2 . 0		<a href="#">get it</a>				
	SP-17	2002-09-18	4 . 3 . 0		<a href="#">get it</a>				
	SP-18	2003-01-07	4 . 4 . 0		<a href="#">get it</a>				
	SP-19	2003-04-02	4 . 5 . 0		<a href="#">get it</a>				
	SP-20	2003-06-09	4 . 6 . 0		<a href="#">get it</a>				

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<b>TS 32.300</b>	<b>Telecommunication management; Configuration Management (CM); Name convention for Managed Objects</b>								
Rel-4	<i>current version:</i> 4.1.1	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOVINGER, Thomas	Telefon AB LM Ericsson					
	<i>freeze_meeting:</i> SP-12	<i>G:</i> yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-12	2001-06-18	2 . 0 . 0	SP-010283	<a href="#">get it</a>	<i>remarks - general:</i>	Replaces 32.106-8 (pars)		
	SP-12	2001-07-03	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-14	2002-01-11	4 . 1 . 0		<a href="#">get it</a>				
	edito post	SP-18	2003-01-13	4 . 1 . 1	<a href="#">get it</a>				

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<b>TS 32.301</b>	<b>Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Requirements</b>								
Rel-4	<i>current version:</i> 4.0.2	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> SCHMIDT, Joerg	MOTOROLA A/S					
	<i>freeze_meeting:</i> SP-12	<i>G:</i> yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-12	2001-06-21	2 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	was 32.301-1		
	SP-12	2001-07-03	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>			
	edito	2002-03-26	4 . 0 . 1		<a href="#">get it</a>				
	edito post	SP-18	2003-01-13	4 . 0 . 2	<a href="#">get it</a>				

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<b>TS 32.302</b>	<b>Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service (IS)</b>			
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TSE, Edwin	Ericsson Incorporated
	<i>freeze_meeting:</i> SP-12	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i>	ZOICAS, Adrian
<i>history (event, available, version, comments):</i>				
	SP-12	2001-06-21	2 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i> was 32.301-2
	SP-12	2001-07-04	4 . 0 . 0	<a href="#">get it</a> <i>remarks - this release:</i> .
	SP-14	2002-01-11	4 . 1 . 0	<a href="#">get it</a>
edito post	SP-18	2003-01-13	4 . 1 . 1	<a href="#">get it</a>
	SP-20	2003-06-27	4 . 2 . 0	<a href="#">get it</a>

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<b>TS 32.303</b>	<b>Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution</b>			
Rel-4	<i>current version:</i> Set (SS)	4.5.0	<i>WG (prime / other):</i> S5	/- <i>rapporteur:</i> POLLAKOWSKI, Olaf
	<i>freeze_meeting:</i> SP-12	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i>	ZOICAS, Adrian
<i>history (event, available, version, comments):</i>				
	SP-12	2001-06-21	2 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i> was 32.301-3
	SP-12	2001-07-03	4 . 0 . 0	<a href="#">get it</a> <i>remarks - this release:</i> .
	SP-13	2001-10-05	4 . 1 . 0	<a href="#">get it</a>
	SP-15	2002-03-26	4 . 2 . 0	<a href="#">get it</a>
	SP-17	2002-09-19	4 . 3 . 0	<a href="#">get it</a>
edito post	SP-17	2002-10-01	4 . 3 . 1	<a href="#">get it</a>
edito post	SP-18	2003-01-13	4 . 3 . 2	<a href="#">get it</a>
	SP-19	2003-03-31	4 . 4 . 0	<a href="#">get it</a>
	SP-21	2003-10-01	4 . 5 . 0	<a href="#">get it</a>

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<b>TS 32.304</b>	<b>Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set</b>			
Rel-4	<i>current version:</i> 4.2.1	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> POLLAKOWSKI, Olaf	SIEMENS AG
	<i>freeze_meeting:</i> SP-12	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i>	ZOICAS, Adrian
<i>history (event, available, version, comments):</i>				
	SP-12	2001-06-21	2 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i> was 32.301-4
	SP-12	2001-07-04	4 . 0 . 0	<a href="#">get it</a> <i>remarks - this release:</i> .
	SP-13	2001-10-05	4 . 1 . 0	<a href="#">get it</a>
	SP-15	2002-03-26	4 . 2 . 0	<a href="#">get it</a>
edito post	SP-18	2003-01-13	4 . 2 . 1	<a href="#">get it</a>

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<b>TS 32.311</b>	<b>Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements</b>				
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> TSE, Edwin		Ericsson Incorporated
	<i>freeze_meeting:</i> SP-12	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>				
	SP-12	2001-06-21	2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.112-1
	SP-12	2001-07-03	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .
	edito	2001-07-12	4 . 0 . 1	<a href="#">get it</a>	
edito post	SP-18	2003-01-13	4 . 0 . 2	<a href="#">get it</a>	
	SP-22	2004-01-05	4 . 1 . 0	<a href="#">get it</a>	
<hr/>					
<b>TS 32.312</b>	<b>Telecommunication management; Generic Integration Reference Point (IRP) management; Information Service (IS)</b>				
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> TSE, Edwin		Ericsson Incorporated
	<i>freeze_meeting:</i> SP-12	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>				
	SP-12	2001-06-21	2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.112-2
	SP-12	2001-07-03	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .
edito post	SP-18	2003-01-13	4 . 0 . 1	<a href="#">get it</a>	
	SP-22	2004-01-05	4 . 1 . 0	<a href="#">get it</a>	
<hr/>					
<b>TS 32.401</b>	<b>Telecommunication management; Performance Management (PM); Concept and requirements</b>				
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> HÜBINETTE, Ulf		Telefon AB LM Ericsson
	<i>freeze_meeting:</i> SP-13	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>				
	SP-12	2001-06-20	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.104 (pars)
	edito	2001-06-27	1 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .
	SP-13	2001-10-11	2 . 0 . 0	<a href="#">get it</a>	SP-010467
	SP-13	2001-10-05	4 . 0 . 0	<a href="#">get it</a>	
	SP-14	2002-01-11	4 . 1 . 0	<a href="#">get it</a>	
	SP-17	2002-09-18	4 . 2 . 0	<a href="#">get it</a>	
	SP-20	2003-06-27	4 . 3 . 0	<a href="#">get it</a>	

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<b>TS 32.403</b>	<b>Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM</b>				
Rel-4	<i>current version:</i> 4.6.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOCHE, Christian		NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting:</i> SP-12	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>				
	SP-12 2001-06-20	1 . 0 . 2	<a href="#">get it</a>	<i>remarks - general:</i> was 32.104 (pars)	
	SP-12 2001-07-04	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .	
	SP-13 2001-10-05	4 . 1 . 0	<a href="#">get it</a>		
	SP-15 2002-03-26	4 . 2 . 0	<a href="#">get it</a>		
editorial clean up	2002-06-20	4 . 2 . 1	<a href="#">get it</a>		
	SP-19 2003-03-31	4 . 3 . 0	<a href="#">get it</a>		
	SP-20 2003-06-27	4 . 4 . 0	<a href="#">get it</a>		
	SP-21 2003-10-15	4 . 5 . 0	<a href="#">get it</a>		
	SP-23 2004-03-24	4 . 6 . 0	<a href="#">get it</a>		
<hr/>					
<b>TS 32.600</b>	<b>Telecommunication management; Configuration Management (CM); Concept and high-level requirements</b>				
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOVINGER, Thomas		Telefon AB LM Ericsson
	<i>freeze_meeting:</i> SP-12	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>				
	SP-12 2001-06-18	2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Replaces 32.106 (pars).	
	SP-12 2001-07-03	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .	
<hr/>					
<b>TS 32.601</b>	<b>Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Requirements</b>				
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PIRT, Trevor		MOTOROLA Ltd
	<i>freeze_meeting:</i> SP-12	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>				
	SP-12 2001-06-21	2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.601-1	
	SP-12 2001-07-03	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .	
<hr/>					
<b>TS 32.602</b>	<b>Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Information Service (SS)</b>				
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOVINGER, Thomas		Telefon AB LM Ericsson
	<i>freeze_meeting:</i> SP-12	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>				
	SP-12 2001-06-21	2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.601-2	
	SP-12 2001-07-03	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .	
	SP-13 2001-10-05	4 . 1 . 0	<a href="#">get it</a>		
	SP-22 2004-01-13	4 . 2 . 0	<a href="#">get it</a>		
	SP-23 2004-03-23	4 . 3 . 0	<a href="#">get it</a>		

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**TS 32.603 Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution**

Rel-4 *current version:* 4.3.1 *WG (prime / other):* S5 / - *rapporteur:* TSE, Edwin Ericsson Incorporated

*freeze\_meeting:* SP-12 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-12 2001-06-21 2 . 0 . 0

[get it](#) *remarks - general:* was 32.601-3

SP-12 2001-07-03 4 . 0 . 0

[get it](#) *remarks - this release:* .

SP-13 2001-10-05 4 . 1 . 0

[get it](#)

SP-15 2002-03-27 4 . 2 . 0

[get it](#)

SP-16 2002-06-20 4 . 3 . 0

[get it](#)

post SP-16 2002-07-04 4 . 3 . 1

[get it](#)

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**TS 32.604 Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP) Common Management Information Protocol (CMIP) Solution Set**

Rel-4 *current version:* 4.2.0 *WG (prime / other):* S5 / - *rapporteur:* POLLAKOWSKI, Olaf SIEMENS AG

*freeze\_meeting:* SP-12 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-12 2001-06-21 2 . 0 . 0

[get it](#) *remarks - general:* was 32.601-4

SP-12 2001-07-03 4 . 0 . 0

[get it](#) *remarks - this release:* .

SP-13 2001-10-05 4 . 1 . 0

[get it](#)

SP-14 2002-01-11 4 . 2 . 0

[get it](#)

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**TS 32.611 Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Requirements**

Rel-4 *current version:* 4.0.0 *WG (prime / other):* S5 / *rapporteur:* PAL, Tapinder T-MOBILE DEUTSCHLAND

*freeze\_meeting:* SP-12 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-12 2001-06-21 2 . 0 . 0

[get it](#) *remarks - general:* was 32.602-1

SP-12 2001-07-03 4 . 0 . 0

[get it](#) *remarks - this release:* .

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<b>TS 32.612</b>	<b>Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information Service (IS)</b>			
Rel-4	<i>current version:</i> 4.6.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> PIRT, Trevor	MOTOROLA Ltd
	<i>freeze_meeting:</i> SP-12	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian	
<i>history (event, available, version, comments):</i>				
	SP-12	2001-06-21	2 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i> was 32.602-2
	SP-12	2001-07-04	4 . 0 . 0	<a href="#">get it</a> <i>remarks - this release:</i> .
	SP-13	2001-10-05	4 . 1 . 0	<a href="#">get it</a>
	SP-16	2002-06-21	4 . 2 . 0	<a href="#">get it</a>
	SP-17	2002-09-27	4 . 3 . 0	<a href="#">get it</a>
	SP-18	2003-01-07	4 . 4 . 0	<a href="#">get it</a>
	SP-22	2004-01-13	4 . 5 . 0	<a href="#">get it</a>
	SP-23	2004-03-24	4 . 6 . 0	<a href="#">get it</a>

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<b>TS 32.613</b>	<b>Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution</b>			
Rel-4	<i>current version:</i> 4.4.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> PIRT, Trevor	MOTOROLA Ltd
	<i>freeze_meeting:</i> SP-12	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian	
<i>history (event, available, version, comments):</i>				
	SP-12	2001-06-21	2 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i> was 32.602-3
	SP-12	2001-07-04	4 . 0 . 0	<a href="#">get it</a> <i>remarks - this release:</i> .
	SP-14	2002-01-11	4 . 1 . 0	<a href="#">get it</a>
	SP-16	2002-06-21	4 . 2 . 0	<a href="#">get it</a>
	SP-17	2002-09-27	4 . 3 . 0	<a href="#">get it</a>
	SP-18	2003-01-07	4 . 4 . 0	<a href="#">get it</a>

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<b>TS 32.614</b>	<b>Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set</b>			
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> POLLAKOWSKI, Olaf	SIEMENS AG
	<i>freeze_meeting:</i> SP-12	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian	
<i>history (event, available, version, comments):</i>				
	SP-12	2001-06-21	2 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i> was 32.602-4
	SP-12	2001-07-03	4 . 0 . 0	<a href="#">get it</a> <i>remarks - this release:</i> .
	SP-13	2001-10-05	4 . 1 . 0	<a href="#">get it</a>
	SP-16	2002-06-21	4 . 2 . 0	<a href="#">get it</a>
	SP-18	2003-01-07	4 . 3 . 0	<a href="#">get it</a>

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**TS 32.615 Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition**

Rel-4 *current version:* 4.4.0 *WG (prime / other):* S5 / *rapporteur:* BONNEAU, Frédéric NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* SP-12 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-12	2001-06-21	2	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i> was 32.602-5
SP-12	2001-07-03	4	.	0	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> .
SP-14	2002-01-11	4	.	1	.	0		<a href="#">get it</a>	
SP-15	2002-03-27	4	.	2	.	0		<a href="#">get it</a>	
SP-20	2003-06-27	4	.	3	.	0	XML in separate file, added 2003-07-03	<a href="#">get it</a>	
Adds XML file with reference from document	2003-10-17	4	.	3	.	1		<a href="#">get it</a>	
SP-22	2004-01-13	4	.	4	.	0		<a href="#">get it</a>	

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**TS 32.621 Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP); Requirements**

Rel-4 *current version:* 4.0.0 *WG (prime / other):* S5 / - *rapporteur:* PIRT, Trevor MOTOROLA Ltd  
*freeze\_meeting:* SP-12 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-12	2001-06-21	2	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i> was 32.620-1
SP-12	2001-07-03	4	.	0	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> .

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**TS 32.622 Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)**

Rel-4 *current version:* 4.4.0 *WG (prime / other):* S5 / - *rapporteur:* TOVINGER, Thomas Telefon AB LM Ericsson  
*freeze\_meeting:* SP-12 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-12	2001-06-21	2	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i> was 32.620-2
SP-12	2001-07-03	4	.	0	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> .
SP-13	2001-10-05	4	.	1	.	0		<a href="#">get it</a>	
SP-15	2002-03-27	4	.	2	.	0		<a href="#">get it</a>	
SP-16	2002-06-28	4	.	3	.	0		<a href="#">get it</a>	
SP-20	2003-06-27	4	.	4	.	0		<a href="#">get it</a>	

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<b>TS 32.623</b>	<b>Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture</b>						
Rel-4	current version: (CORBA) Solution Set (SS)	4.3.0	WG (prime / other):	S5	/-	rapporteur:	PIRT, Trevor
MOTOROLA Ltd							
	freeze_meeting: SP-12		G: yes	U: yes	MCC:	ZOICAS, Adrian	
	history (event, available, version, comments):						
	SP-12	2001-06-21	2	.	0	.	0
	SP-12	2001-07-03	4	.	0	.	0
	SP-13	2001-10-05	4	.	1	.	0
	SP-14	2002-01-11	4	.	2	.	0
	SP-19	2003-03-31	4	.	3	.	0
					<a href="#">get it</a>	remarks - general:	was 32.620-3
					<a href="#">get it</a>	remarks - this release:	.
					<a href="#">get it</a>		
					<a href="#">get it</a>		

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<b>TS 32.624</b>	<b>Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol</b>						
Rel-4	current version: (CMIP) Solution Set (SS)	4.5.0	WG (prime / other):	S5	/-	rapporteur:	POLLAKOWSKI, Olaf
SIEMENS AG							
	freeze_meeting: SP-12		G: yes	U: yes	MCC:	ZOICAS, Adrian	
	history (event, available, version, comments):						
	SP-12	2001-06-21	2	.	0	.	0
	SP-12	2001-07-04	4	.	0	.	0
	SP-13	2001-10-05	4	.	1	.	0
	SP-14	2002-01-11	4	.	2	.	0
	SP-15	2002-03-27	4	.	3	.	0
	SP-16	2002-06-28	4	.	4	.	0
	SP-21	2003-10-02	4	.	5	.	0
					<a href="#">get it</a>	remarks - general:	was 32.620-4
					<a href="#">get it</a>	remarks - this release:	.
					<a href="#">get it</a>		
					<a href="#">get it</a>		

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<b>TS 32.631</b>	<b>Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Requirements</b>						
Rel-4	current version: 4.0.0	WG (prime / other):	S5	/-	rapporteur:	PIRT, Trevor	MOTOROLA Ltd
	freeze_meeting: SP-12	G:	U: yes	MCC:	ZOICAS, Adrian		
	history (event, available, version, comments):						
	SP-12	2001-06-21	2	.	0	.	0
	SP-12	2001-07-03	4	.	0	.	0
					<a href="#">get it</a>	remarks - general:	was 32.621-1
					<a href="#">get it</a>	remarks - this release:	.

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 32.632</b>	<b>Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)</b>								
Rel-4	<i>current version:</i> 4.4.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PAL, Tapinder	T-MOBILE DEUTSCHLAND					
	<i>freeze_meeting:</i> SP-12	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
<i>history (event, available, version, comments):</i>									
	SP-12	2001-06-21	2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.621-2				
	SP-12	2001-07-03	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .				
	SP-14	2002-01-11	4 . 1 . 0	<a href="#">get it</a>					
	SP-16	2002-06-28	4 . 2 . 0	<a href="#">get it</a>					
	SP-19	2003-04-01	4 . 3 . 0	<a href="#">get it</a>					
	SP-21	2003-10-15	4 . 4 . 0	<a href="#">get it</a>					

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<b>TS 32.633</b>	<b>Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Object Request Broker Architecture</b>								
Rel-4	<i>current version:</i> (CORBA) solution set	4.1.0	<i>WG (prime / other):</i> S5	/-	<i>rapporteur:</i> PAL, Tapinder	T-			
MOBILE DEUTSCHLAND									
	<i>freeze_meeting:</i> SP-12	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
<i>history (event, available, version, comments):</i>									
	SP-12	2001-06-21	2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.621-3				
	SP-12	2001-07-03	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .				
	SP-16	2002-06-28	4 . 1 . 0	<a href="#">get it</a>					

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<b>TS 32.634</b>	<b>Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Management Information Protocol</b>								
Rel-4	<i>current version:</i> (CMIP) solution set	4.1.1	<i>WG (prime / other):</i> S5	/-	<i>rapporteur:</i> POLLAKOWSKI, Olaf				
SIEMENS AG									
	<i>freeze_meeting:</i> SP-12	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
<i>history (event, available, version, comments):</i>									
	SP-12	2001-06-21	2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.621-4				
	SP-12	2001-07-03	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .				
	SP-13	2001-10-05	4 . 1 . 0	<a href="#">get it</a>					
	edito after SP-17	2002-09-18	4 . 1 . 1	<a href="#">get it</a>					

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<b>TS 32.641</b>	<b>Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Requirements</b>								
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PIRT, Trevor	MOTOROLA Ltd					
	<i>freeze_meeting:</i> SP-12	G: U: yes	<i>MCC:</i> ZOICAS, Adrian						
<i>history (event, available, version, comments):</i>									
	SP-12	2001-06-21	2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.622-1				
	SP-12	2001-07-03	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .				

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 32.642</b>	<b>Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)</b>			
Rel-4	<i>current version:</i> 4.4.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PETERSEN, Robert	Ericsson AB
	<i>freeze_meeting:</i> SP-12	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> ZOICAS, Adrian
<i>history (event, available, version, comments):</i>				
	SP-12	2001-06-21	2 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i> was 32.622-2
	SP-12	2001-07-03	4 . 0 . 0	<a href="#">get it</a> <i>remarks - this release:</i> .
	SP-16	2002-06-28	4 . 1 . 0	<a href="#">get it</a>
	SP-17	2002-09-27	4 . 2 . 0	<a href="#">get it</a>
	SP-20	2003-06-26	4 . 3 . 0	<a href="#">get it</a>
	SP-22	2004-01-13	4 . 4 . 0	<a href="#">get it</a>

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<b>TS 32.643</b>	<b>Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture</b>					
Rel-4	<i>current version:</i> (CORBA) Solution Set (SS)	4.3.0	<i>WG (prime / other):</i> S5	/-	<i>rapporteur:</i> RAYMER, David	Motorola Inc.
	<i>freeze_meeting:</i> SP-12	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> ZOICAS, Adrian		
<i>history (event, available, version, comments):</i>						
	SP-12	2001-06-21	2 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i> was 32.622-3		
	SP-12	2001-07-03	4 . 0 . 0	<a href="#">get it</a> <i>remarks - this release:</i>		
	SP-14	2002-01-11	4 . 1 . 0	<a href="#">get it</a>		
	SP-20	2003-06-27	4 . 2 . 0	<a href="#">get it</a>		
	SP-22	2004-01-13	4 . 3 . 0	<a href="#">get it</a>		

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<b>TS 32.644</b>	<b>Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol</b>					
Rel-4	<i>current version:</i> (CMIP) Solution Set (SS)	4.3.0	<i>WG (prime / other):</i> S5	/-	<i>rapporteur:</i> POLLAKOWSKI, Olaf	SIEMENS AG
	<i>freeze_meeting:</i> SP-12	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> ZOICAS, Adrian		
<i>history (event, available, version, comments):</i>						
	SP-12	2001-06-21	2 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i> was 32.622-4		
	SP-12	2001-07-03	4 . 0 . 0	<a href="#">get it</a> <i>remarks - this release:</i>		
	SP-13	2001-10-05	4 . 1 . 0	<a href="#">get it</a>		
edito post	SP-17	2002-09-18	4 . 1 . 1	<a href="#">get it</a>		
	SP-20	2003-06-26	4 . 2 . 0	<a href="#">get it</a>		
	SP-22	2004-01-13	4 . 3 . 0	<a href="#">get it</a>		

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 32.651</b>	<b>Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Requirements</b>			
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PIRT, Trevor	MOTOROLA Ltd
	<i>freeze_meeting:</i> SP-12	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>			
	SP-12	2001-06-21	2 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i> was 32.623-1
	SP-12	2001-07-03	4 . 0 . 0	<a href="#">get it</a> <i>remarks - this release:</i> .

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<b>TS 32.652</b>	<b>Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)</b>			
Rel-4	<i>current version:</i> 4.5.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PETERSEN, Robert	Ericsson AB
	<i>freeze_meeting:</i> SP-12	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>			
	SP-12	2001-06-21	2 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i> was 32.623-2
	SP-12	2001-07-03	4 . 0 . 0	<a href="#">get it</a> <i>remarks - this release:</i> .
	SP-13	2001-10-05	4 . 1 . 0	<a href="#">get it</a>
	SP-14	2002-01-11	4 . 2 . 0	<a href="#">get it</a>
	SP-16	2002-06-28	4 . 3 . 0	<a href="#">get it</a>
	SP-17	2002-09-27	4 . 4 . 0	<a href="#">get it</a>
	SP-20	2003-06-26	4 . 5 . 0	<a href="#">get it</a>

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<b>TS 32.653</b>	<b>Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture</b>					
Rel-4	<i>current version:</i> (CORBA) Solution Set (SS)	4.2.0	<i>WG (prime / other):</i> S5	/ -	<i>rapporteur:</i> RAYMER, David	Motorola Inc.
	<i>freeze_meeting:</i> SP-12	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version, comments):</i>					
	SP-12	2001-06-21	2 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i> was 32.623-3		
	SP-12	2001-07-04	4 . 0 . 0	<a href="#">get it</a> <i>remarks - this release:</i> .		
	SP-14	2002-01-11	4 . 1 . 0	<a href="#">get it</a>		
	SP-20	2003-06-27	4 . 2 . 0	<a href="#">get it</a>		

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<b>TS 32.654</b>	<b>Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol</b>					
Rel-4	<i>current version:</i> (CMIP) Solution Set (SS)	4.2.0	<i>WG (prime / other):</i> S5	/ -	<i>rapporteur:</i> POLLAKOWSKI, Olaf	SIEMENS AG
	<i>freeze_meeting:</i> SP-12	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version, comments):</i>					
	SP-12	2001-06-21	2 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i> was 32.623-4		
	SP-12	2001-07-03	4 . 0 . 0	<a href="#">get it</a> <i>remarks - this release:</i> .		
	SP-13	2001-10-05	4 . 1 . 0	<a href="#">get it</a>		
	SP-20	2003-06-27	4 . 2 . 0	<a href="#">get it</a>		

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<b>TR 32.800</b>	<b>Telecommunication management; Management level procedures and interaction with UTRAN</b>				
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> BODEN, Bert	Vodafone D2 GmbH	
	<i>freeze_meeting:</i> SP-12	G: U: yes	<i>MCC:</i> ZOICAS, Adrian		
<i>history (event, available, version, comments):</i>					
	draft 2000-10-31	0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>	
	draft 2001-01-17	0 . 0 . 3 NP-010239 (!)	<a href="#">get it</a>	<i>remarks - this release:</i> .	
	SP-12 2001-06-18	1 . 0 . 0 SP-010233 (for approval!)	<a href="#">get it</a>		
	SP-12 2001-07-03	4 . 0 . 0	<a href="#">get it</a>		

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<b>TS 33.102</b>	<b>3G security; Security architecture</b>				
Rel-4	<i>current version:</i> 4.5.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> BLOMMAERT, Marc	Siemens nv/sa	
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> POPE, Maurice		
<i>history (event, available, version, comments):</i>					
	SP-11 2001-03-30	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	SP-12 2001-07-04	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	SP-13 2001-10-03	4 . 2 . 0	<a href="#">get it</a>		
	SP-14 2002-01-07	4 . 3 . 0	<a href="#">get it</a>		
	SP-16 2002-06-19	4 . 4 . 0	<a href="#">get it</a>		
	SP-18 2002-12-18	4 . 5 . 0	<a href="#">get it</a>		

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<b>TS 33.103</b>	<b>3G security; Integration guidelines</b>				
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> BLANCHARD, Colin	BT Group Plc	
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> POPE, Maurice		
<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-11	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	SP-12 2001-07-04	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> SP-15: Not to be promoted to Rel-5.	
	SP-13 2001-10-03	4 . 2 . 0	<a href="#">get it</a>		

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 33.105</b>	<b>Cryptographic Algorithm requirements</b>					
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i>	S3 / -	<i>rapporteur:</i>	CHIKAZAWA, Takeshi	Mitsubishi Electric Corporation
	<i>freeze_meeting:</i> SP-11	G:	U: yes	<i>MCC:</i>	POPE, Maurice	
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-11 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	SP-12 2001-07-04 4 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	SP-15: Not to be promoted to Rel-5.
<hr/>						
<b>TS 33.106</b>	<b>Lawful interception requirements</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i>	S3 / -	<i>rapporteur:</i>	WILHELM, Berthold	BUNDESMINISTERIUM FUR WIRTSCHAFT
	<i>freeze_meeting:</i> SP-11	G:	U: yes	<i>MCC:</i>	POPE, Maurice	
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-04 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	
<hr/>						
<b>TS 33.107</b>	<b>3G security; Lawful interception architecture and functions</b>					
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i>	S3 / -	<i>rapporteur:</i>	WILHELM, Berthold	BUNDESMINISTERIUM FUR WIRTSCHAFT
	<i>freeze_meeting:</i> SP-11	G:	U: yes	<i>MCC:</i>	POPE, Maurice	
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-04 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	SP-13 2001-10-03 4 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	
	SP-14 2002-01-07 4 . 2 . 0			<a href="#">get it</a>		
	SP-15 2002-03-26 4 . 3 . 0			<a href="#">get it</a>		
<hr/>						
<b>TS 33.120</b>	<b>Security Objectives and Principles</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i>	S3 / -	<i>rapporteur:</i>	WRIGHT, Tim	Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i> SP-11	G:	U: yes	<i>MCC:</i>	POPE, Maurice	
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	SP-15: Not to be promoted to Rel-5.

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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ACTIVE specs Rel-4 33 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/33\\_series](http://www.3gpp.org/ftp/Specs/archive/33_series)

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<b>TS 33.200</b>	<b>3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security</b>					
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> ESCOTT, Adrian	Hutchison 3G UK Ltd (3)		
	<i>freeze_meeting:</i> SP-12	G: U: yes	<i>MCC:</i> POPE, Maurice			
<i>history (event, available, version, comments):</i>						
	draft	2001-06-26	1 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>	2001-05-24: title grows MAP; see 33.210 for IP equivalent.
	SA-12		2 . 0 . 0		<i>remarks - this release:</i>	
	SP-12	2001-07-04	4 . 0 . 0	<a href="#">get it</a>		
	SP-13	2001-10-03	4 . 1 . 0	<a href="#">get it</a>		
	SP-14	2002-01-07	4 . 2 . 0	<a href="#">get it</a>		
	SP-15	2002-03-26	4 . 3 . 0	<a href="#">get it</a>		
	SP-010322, ed notes in SP-010347					
<hr/>						
<b>TR 33.901</b>	<b>Criteria for cryptographic Algorithm design process</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> BLOM, Rolf	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> POPE, Maurice			
<i>history (event, available, version, comments):</i>						
	SP-11	2001-10-03	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	SP-15: Not to be promoted to Rel-5.
<hr/>						
<b>TR 33.902</b>	<b>Formal Analysis of the 3G Authentication Protocol</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> HORN, Guenther	SIEMENS AG		
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> POPE, Maurice			
<i>history (event, available, version, comments):</i>						
	SP-11	2001-10-03	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	SP-15: Not to be promoted to Rel-5.
<hr/>						
<b>TR 33.903</b>	<b>Access Security for IP based services</b>					
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> VACANT,			
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> POPE, Maurice			
<i>history (event, available, version, comments):</i>						
					<i>remarks - general:</i>	
					<i>remarks - this release:</i>	.
<hr/>						
<b>TR 33.908</b>	<b>3G Security; General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WALKER, Michael	VODAFONE Group Plc		
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> POPE, Maurice			
<i>history (event, available, version, comments):</i>						
	SP-11	2001-10-03	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	TSG#7: S3-000105=NP-000049
					<i>remarks - this release:</i>	SP-15: Not to be promoted to Rel-5.

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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**TR 33.909 3G Security; Report on the design and evaluation of the MILENAGE algorithm set; Deliverable 5: An example algorithm for the 3GPP authentication and key generation functions**

Rel-4 *current version:* 4.0.1 *WG (prime / other):* S3 / - *rapporteur:* WALKER, Michael VODAFONE Group Plc

*freeze\_meeting:* SP-11

*G:* U: yes *MCC:* POPE, Maurice

*history (event, available, version, comments):*

SP-11 2001-04-04 4 . 0 . 0  
correct misprint in 2001-07-23 4 . 0 . 1  
spec number

[get it](#) *remarks - general:* TSG#7: Is a reference in 33.908. Was withdrawn, but reinstated at TSG#10.  
[get it](#) *remarks - this release:* SP-15: Not to be promoted to Rel-5.

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Rel-4 34 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/34\\_series](http://www.3gpp.org/ftp/Specs/archive/34_series)

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**TS 34.108 Common test environments for User Equipment (UE) conformance testing**

Rel-4 *current version:* 4.10.0 *WG (prime / other):* T1 / - *rapporteur:* CHALABI, Nuhman ANRITSU LTD

*freeze\_meeting:* SP-13

*G:* U: yes *MCC:* SULTAN, Alain

*history (event, available, version, comments):*

TP-13 2001-10-08 4 . 0 . 0  
TP-14 2002-01-09 4 . 1 . 0  
  
TP-15 2002-03-20 4 . 2 . 0  
edito post TP-15 2002-03-26 4 . 2 . 1  
TP-16 2002-06-17 4 . 3 . 0  
TP-17 2002-09-11 4 . 4 . 0  
TP-18 2002-12-18 4 . 5 . 0  
TP-19 2003-03-24 4 . 6 . 0  
TP-20 2003-06-18 4 . 7 . 0  
TP-21 2003-10-10 4 . 8 . 0  
TP-22 2004-01-16 4 . 9 . 0  
TP-23 2004-03-26 4 . 10 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* TP-23: medium-term intention is to make the spec Release-independent, all earlier Releases simply point to latest.

G = required in systems with GERAN access; U = required in systems with UMTS access.



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ACTIVE specs Rel-4 34 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/34\\_series](http://www.3gpp.org/ftp/Specs/archive/34_series)

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<b>TS 34.109</b>	<b>Terminal logical test interface; Special conformance testing functions</b>								
Rel-4	<i>current version:</i> 4.5.0	<i>WG (prime / other):</i>	R2 / T1	<i>rapporteur:</i>	BERGGREN, Anders	Ericsson Incorporated			
	<i>freeze_meeting:</i> SP-11	G:	U: yes	<i>MCC:</i>	ARZELIER, Claude				
	<i>history (event, available, version, comments):</i>								
	RP-11	2001-03-27	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> TSG#7: Will be transferred to RAN2 after approval. TSG#8:txfer is delayed. TSG#9:				
	RP-12	2001-06-19	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> Stable, so txfered from T1 to R2.				
	RP-15	2002-03-19	4 . 2 . 0	<a href="#">get it</a>					
	RP-16	2002-06-17	4 . 3 . 0	<a href="#">get it</a>					
	RP-18	2003-01-13	4 . 4 . 0	<a href="#">get it</a>					
	RP-19	2003-03-25	4 . 5 . 0	<a href="#">get it</a>					
<hr/>									
<b>TS 34.121</b>	<b>Terminal Conformance Specification, Radio Transmission and Reception (FDD)</b>								
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i>	T1 / -	<i>rapporteur:</i>	HIGUCHI, Kenji	ADVANTEST Corporation			
	<i>freeze_meeting:</i> SP-13	G:	U: yes	<i>MCC:</i>	SULTAN, Alain				
	<i>history (event, available, version, comments):</i>								
	TP-20	2003-06-17	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> upgrade sans CR				
	TP-21	2003-10-10	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>				
<hr/>									
<b>TS 34.122</b>	<b>Terminal conformance specification, Radio transmission and reception (TDD)</b>								
Rel-4	<i>current version:</i> 4.10.0	<i>WG (prime / other):</i>	T1 / -	<i>rapporteur:</i>	MAUCKSCH, Thomas	ROHDE & SCHWARZ GmbH & Co.KG			
	<i>freeze_meeting:</i> SP-13	G:	U: yes	<i>MCC:</i>	SULTAN, Alain				
	<i>history (event, available, version, comments):</i>								
	TP-12	2001-07-03	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
	TP-13	2001-10-03	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>				
	TP-14	2002-01-09	4 . 2 . 0	<a href="#">get it</a>					
	TP-15	2002-03-21	4 . 3 . 0	<a href="#">get it</a>					
	TP-16	2002-06-17	4 . 4 . 0	<a href="#">get it</a>					
	TP-17	2002-09-05	4 . 5 . 0	<a href="#">get it</a>					
	TP-18	2002-12-18	4 . 6 . 0	<a href="#">get it</a>					
	TP-19	2003-03-24	4 . 7 . 0	<a href="#">get it</a>					
	TP-20	2003-06-17	4 . 8 . 0	<a href="#">get it</a>					
	TP-21	2003-10-10	4 . 9 . 0	<a href="#">get it</a>					
	TP-22	2004-01-19	4 . 10 . 0	<a href="#">get it</a>					

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<b>TS 34.123-1</b>	<b>User Equipment (UE) conformance specification; Part 1: Protocol conformance specification</b>					
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> T1 / -	<i>rapporteur:</i> SULTAN, Alain	SOURCE COM		
	<i>freeze_meeting:</i> SP-13	G: U: yes	<i>MCC:</i> SULTAN, Alain			
	<i>history (event, available, version, comments):</i>					
	TP-13 2001-10-03 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	TP-14 2002-01-09 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	TP-15 2002-03-20 4 . 2 . 0	<a href="#">get it</a>				
	TP-16 2002-06-19 4 . 3 . 0	<a href="#">get it</a>				

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<b>TS 34.123-2</b>	<b>User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification</b>					
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> T1 / -	<i>rapporteur:</i> HU, Shicheng	ETSI Secretariat		
	<i>freeze_meeting:</i> SP-13	G: U: yes	<i>MCC:</i> SULTAN, Alain			
	<i>history (event, available, version, comments):</i>					
	TP-13 2001-10-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	TP-14 2002-01-09 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	TP-15 2002-03-21 4 . 2 . 0	<a href="#">get it</a>				
	TP-16 2002-06-19 4 . 3 . 0	<a href="#">get it</a>				

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<b>TS 34.123-3</b>	<b>User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSS)</b>					
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> T1 / -	<i>rapporteur:</i> HU, Shicheng	ETSI Secretariat		
	<i>freeze_meeting:</i> SP-13	G: U: yes	<i>MCC:</i> SULTAN, Alain			
	<i>history (event, available, version, comments):</i>					
			<i>remarks - general:</i>			
			<i>remarks - this release:</i>			

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<b>TS 34.124</b>	<b>Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment</b>					
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> R4 / -	<i>rapporteur:</i> SOERENSEN, Ole	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar			
	<i>history (event, available, version, comments):</i>					
	RP-11 2001-04-10 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> T1->R4@TSG#10			
	RP-18 2003-01-10 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	RP-19 2003-04-04 4 . 2 . 0	<a href="#">get it</a>				

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**TR 34.910 Identification of test requirements for regulatory purposes in different regions/countries**  
Rel-4 *current version:* 1.0.0 DRAFT *WG (prime / other):* T1 / - *rapporteur:* NIELSEN, Bjarke QUALCOMM EUROPE S.A.R.L.  
*freeze\_meeting:* SP-13 *G:* *U:* yes *MCC:* SULTAN, Alain  
*history (event, available, version, comments):*  
TP-05 1999-10-13 0 . 0 . 1 [get it](#) *remarks - general:*  
TP-10 2001-01-09 1 . 0 . 0 [get it](#) *remarks - this release:*

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**TR 34.926 Electromagnetic compatibility (EMC); Table of international requirements for mobile terminals and ancillary equipment**  
Rel-4 *current version:* 4.0.0 *WG (prime / other):* R4 / - *rapporteur:* FENN, John B Research In Motion Limited  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar  
*history (event, available, version, comments):*  
TP-09 2000-10-06 1 . 0 . 0 [get it](#) *remarks - general:* Plan approved TSG#7 TP-000036). T1->R4@TSG#10  
RP-10 2001-01-09 4 . 0 . 0 [get it](#) *remarks - this release:*

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Rel-4 **35** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/35\\_series](http://www.3gpp.org/ftp/Specs/archive/35_series)

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**TS 35.201 Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications**  
Rel-4 *current version:* 4.1.0 *WG (prime / other):* S3 / - *rapporteur:* WALKER, Michael VODAFONE Group Plc  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
SP-11 2001-08-28 4 . 0 . 0 [get it](#) *remarks - general:* ex SAGE; supplied by ETSI under licence  
SP-14 2002-01-07 4 . 1 . 0 [get it](#) *remarks - this release:*

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**TS 35.202 Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification**  
Rel-4 *current version:* 4.0.0 *WG (prime / other):* S3 / - *rapporteur:* WALKER, Michael VODAFONE Group Plc  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
SP-11 2001-08-28 4 . 0 . 0 [get it](#) *remarks - general:* ex SAGE; supplied by ETSI under licence  
*remarks - this release:*

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<b>TS 35.203</b>	<b>Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data</b>								
Rel-4	<i>current version:</i> 4.0.0		<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WALKER, Michael		VODAFONE Group Plc			
	<i>freeze_meeting:</i> SP-11		G: U: yes	<i>MCC:</i> POPE, Maurice					
	<i>history (event, available, version, comments):</i> SP-11 2001-08-28 4 . 0 . 0						<a href="#">get it</a>	<i>remarks - general:</i> ex SAGE; supplied by ETSI under licence	<i>remarks - this release:</i>
<hr/>									
<b>TS 35.204</b>	<b>Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data</b>								
Rel-4	<i>current version:</i> 4.0.0		<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WALKER, Michael		VODAFONE Group Plc			
	<i>freeze_meeting:</i> SP-11		G: U: yes	<i>MCC:</i> POPE, Maurice					
	<i>history (event, available, version, comments):</i> SP-11 2001-08-28 4 . 0 . 0						<a href="#">get it</a>	<i>remarks - general:</i> ex SAGE; supplied by ETSI under licence	<i>remarks - this release:</i>
<hr/>									
<b>TS 35.205</b>	<b>3G Security; Specification of the MILENAGE Algorithm Set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General</b>	4.0.0		<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WALKER, Michael				
Rel-4	<i>current version:</i> 1: General								
	VODAFONE Group Plc								
	<i>freeze_meeting:</i> SP-11		G: U: yes	<i>MCC:</i> POPE, Maurice					
	<i>history (event, available, version, comments):</i> SP-11 2001-05-09 4 . 0 . 0						<a href="#">get it</a>	<i>remarks - general:</i> ex SAGE. 2002-06: clarified that deliverable is TS not TR.	<i>remarks - this release:</i> TSG#11:changed to Rel-4.
<hr/>									
<b>TS 35.206</b>	<b>3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification</b>	4.0.0		<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WALKER, Michael				
Rel-4	<i>current version:</i> 2: Algorithm specification								
	VODAFONE Group Plc								
	<i>freeze_meeting:</i> SP-11		G: U: yes	<i>MCC:</i> POPE, Maurice					
	<i>history (event, available, version, comments):</i> SP-11 2001-05-09 4 . 0 . 0						<a href="#">get it</a>	<i>remarks - general:</i> ex SAGE	<i>remarks - this release:</i> TSG#11:changed to Rel-4
<hr/>									
<b>TS 35.207</b>	<b>3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data</b>	4.0.0		<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WALKER, Michael				
Rel-4	<i>current version:</i> 3: Implementors' test data								
	VODAFONE Group Plc								
	<i>freeze_meeting:</i> SP-11		G: U: yes	<i>MCC:</i> POPE, Maurice					
	<i>history (event, available, version, comments):</i> SP-11 2001-05-09 4 . 0 . 0						<a href="#">get it</a>	<i>remarks - general:</i> ex SAGE	<i>remarks - this release:</i> TSG#11:changed to Rel-4

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**TS 35.208 3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1\*, f2, f3, f4, f5 and f5\*; Document**  
Rel-4 *current version: 4: Design conformance test data* 4.0.0 *WG (prime / other):* S3 /- *rporteur:* WALKER, Michael  
VODAFONE Group Plc

*freeze\_meeting:* SP-11 G: U: yes MCC: POPE, Maurice  
*history (event, available, version, comments):*  
SP-11 2001-05-09 4 . 0 . 0 [get it](#) *remarks - general:* ex SAGE  
*remarks - this release:* TSG#11:changed to Rel-4

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**TR 35.909 3G Security; Specification of the MILENAGE algorithm set: an example algorithm set for the 3GPP authentication and key generation functions f1, f1\*, f2, f3, f4, f5 and f5\*; Document**  
Rel-4 *current version: 5: Summary and results of design and evaluation* 4.0.0 *WG (prime / other):* S3 /- *rporteur:* WALKER, Michael  
VODAFONE Group Plc

*freeze\_meeting:* SP-11 G: U: yes MCC: POPE, Maurice  
*history (event, available, version, comments):*  
SP-11 2001-05-09 4 . 0 . 0 [get it](#) *remarks - general:* ex SAGE  
*remarks - this release:* TSG#11:Formerly 35.209 Rel-99 (but never made available)

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Rel-4 **41** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/41\\_series](http://www.3gpp.org/ftp/Specs/archive/41_series)

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**TR 41.031 Fraud Information Gathering System (FIGS); Service requirements; Stage 0**  
Rel-4 *current version: 4.0.1* *WG (prime / other):* S3 /- *rporteur:* WRIGHT, Tim Indicate persons who left Company and wait for new One  
*freeze\_meeting:* SP-11 G: yes U: MCC: POPE, Maurice

*history (event, available, version, comments):*  
SP-11 2001-04-10 4 . 0 . 0 [get it](#) *remarks - general:*  
edito 2001-05-02 4 . 0 . 1 [get it](#) *remarks - this release:*

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**TR 41.033 Lawful Interception requirements for GSM**  
Rel-4 *current version: 4.0.1* *WG (prime / other):* S3 /- *rporteur:* MCKIBBEN, Bernie MOTOROLA GmbH  
*freeze\_meeting:* SP-11 G: yes U: MCC: POPE, Maurice

*history (event, available, version, comments):*  
SP-11 4 . 0 . 0 *remarks - general:*  
edito 2001-05-02 4 . 0 . 1 [get it](#) *remarks - this release:*

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ACTIVE specs Rel-4 41 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/41\\_series](http://www.3gpp.org/ftp/Specs/archive/41_series)

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**TS 41.061 General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements**  
Rel-4 *current version:* 4.0.0 *WG (prime / other):* S3 / - *rapporteur:* WALKER, Michael VODAFONE Group Plc  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
SP-11 2001-04-10 4 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* SP-15: Not to be promoted to Rel-5.

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**TS 41.101 Technical Specifications and Technical Reports for a GERAN-based 3GPP system**  
Rel-4 *current version:* 4.10.0 *WG (prime / other):* SP / *rapporteur:* MEREDITH, John M ETSI Secretariat  
*freeze\_meeting:* SP-20 *G: yes U:* *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
SP-20 2003-06-25 4 . 9 . 0 Created from 41.102 v4.9.0 [get it](#) *remarks - general:*  
SP-23 2004-04-02 4 . 10 . 0 [get it](#) *remarks - this release:* .

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Rel-4 42 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/42\\_series](http://www.3gpp.org/ftp/Specs/archive/42_series)

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**TS 42.009 Security Aspects**  
Rel-4 *current version:* 4.0.0 *WG (prime / other):* S3 / S1 / NP *rapporteur:* CHRISTOFFERSSON, Per TeliaSonera AB  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
SP-11 2001-04-10 4 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* SP-15: Not to be promoted to Rel-5.

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**TS 42.017 Subscriber Identity Module (SIM); Functional characteristics**  
Rel-4 *current version:* 4.0.0 *WG (prime / other):* T3 / S1 *rapporteur:* HOOKER, Philip ORANGE PCS LTD  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* JURISIC, Andrijana  
*history (event, available, version, comments):*  
TP-11 2001-04-09 4 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* 2003-07-15 (Dietze): will not progress to Rel-5, since no SIM device beyond Rel-4.

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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Server location: [http://www.3gpp.org/ftp/Specs/archive/42\\_series](http://www.3gpp.org/ftp/Specs/archive/42_series)

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<b>TS 42.019</b>	<b>Subscriber Identity Module Application Programming Interface (SIM API); Stage 1</b>								
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i>	T3	/ -	<i>rapporteur:</i>	DIETRICH, Christian	Axalto S.A.		
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>			<i>MCC:</i>	JURISIC, Andrijana			
	<i>history (event, available, version, comments):</i>								
	TP-12 2001-07-06 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>	TP-17: From Rel-6, transferred to ETSI TS 102 240.		
						<i>remarks - this release:</i>	.		
<hr/>									
<b>TS 42.033</b>	<b>Lawful Interception; Stage 1</b>								
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i>	S3	/	<i>rapporteur:</i>	MCKIBBEN, Bernie	MOTOROLA GmbH		
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>			<i>MCC:</i>	POPE, Maurice			
	<i>history (event, available, version, comments):</i>								
	SP-11 2001-04-10 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>			
						<i>remarks - this release:</i>			
<hr/>									
<b>TS 42.043</b>	<b>Support of Localised Service Area (SoLSA); Service description; Stage 1</b>								
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i>	S1	/	<i>rapporteur:</i>	KOKKOLA, Tommi	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>			<i>MCC:</i>	CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>								
	SP-11 2001-04-02 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>	Was 22.043 at Rel99.		
						<i>remarks - this release:</i>			
<hr/>									
<b>TS 42.056</b>	<b>GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1</b>								
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i>	S1	/ -	<i>rapporteur:</i>	POIRAUD, Patrick	ALCATEL S.A.		
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>			<i>MCC:</i>	CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>								
	SP-11 2001-04-02 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>			
						<i>remarks - this release:</i>			
<hr/>									
<b>TS 42.068</b>	<b>Voice Group Call Service (VGCS); Stage 1</b>								
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i>	S1	/ -	<i>rapporteur:</i>	CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>			<i>MCC:</i>	CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>								
	SP-08 2000-06-23 4 . 0 . 0 32,304				<a href="#">get it</a>	<i>remarks - general:</i>			
	edito 2000-10-24 4 . 0 . 1				<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-10 2001-01-08 4 . 1 . 0				<a href="#">get it</a>				

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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**TS 42.069 Voice Broadcast Service (VBS); Stage 1**  
Rel-4 *current version:* 4.1.0 *WG (prime / other):* S1 / - *rapporteur:* CLAYTON, Michael EMCOM Ltd  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
SP-08 2000-06-23 4 . 0 . 0 [get it](#) *remarks - general:*  
edito 2000-10-24 4 . 0 . 1 [get it](#) *remarks - this release:*  
SP-10 2001-01-08 4 . 1 . 0 [get it](#)

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Rel-4 **43** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/43\\_series](http://www.3gpp.org/ftp/Specs/archive/43_series)

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**TR 43.005 Technical performance objectives**  
Rel-4 *current version:* 4.0.0 *WG (prime / other):* NP / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* BOSWARTHICK, David  
*history (event, available, version, comments):*  
NP-11 2001-04-11 4 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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**TS 43.010 GSM Public Land Mobile Network (PLMN) connection types**  
Rel-4 *current version:* 4.2.0 *WG (prime / other):* N3 / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* BOSWARTHICK, David  
*history (event, available, version, comments):*  
NP-10 2001-01-08 4 . 0 . 0 [get it](#) *remarks - general:*  
NP-11 2001-04-06 4 . 1 . 0 [get it](#) *remarks - this release:*  
NP-17 2002-09-17 4 . 2 . 0 [get it](#)

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**TS 43.013 Discontinuous Reception (DRX) in the GSM system**  
Rel-4 *current version:* 4.0.0 *WG (prime / other):* G1 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
GP-04 2001-04-11 4 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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G = required in systems with GERAN acces; U = required in systems with UMTS access.



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<b>TS 43.019</b>	<b>Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2</b>					
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> DIETRICH, Christian	Axalto S.A.		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> JURISIC, Andrijana			
	<i>history (event, available, version, comments):</i>					
	TP-11 2001-10-23 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	For test spec, see 51.013.		
	TP-14 2002-01-17 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	TP-16 2002-06-25 4 . 2 . 0	<a href="#">get it</a>				
	TP-17 2002-09-27 4 . 3 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 43.020</b>	<b>Security-related network functions</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S3 / NP /	<i>rapporteur:</i> GILBERT, Henri	France Telecom		
	<i>freeze_meeting:</i> SP-11	GP	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version, comments):</i>	G: yes U:				
	SP-09 2000-11-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			
<hr/>						
<b>TS 43.022</b>	<b>Functions related to Mobile Station (MS) in idle mode and group receive mode</b>					
Rel-4	<i>current version:</i> 4.5.0	<i>WG (prime / other):</i> G1 / N1	<i>rapporteur:</i> HOWELL, Andrew	MOTOROLA Ltd		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	GP-01 2000-10-10 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Moved from SMG3 Jan 2000.		
	edito 2000-10-24 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	GP-02 2000-11-24 4 . 1 . 0	<a href="#">get it</a>				
	edito 2000-11-30 4 . 1 . 1	<a href="#">get it</a>				
	GP-03 2001-02-15 4 . 2 . 0	<a href="#">get it</a>				
	GP-05 2001-10-05 4 . 3 . 0	<a href="#">get it</a>				
	GP-10 2002-07-19 4 . 4 . 0	<a href="#">get it</a>				
	GP-11 2002-09-19 4 . 5 . 0	<a href="#">get it</a>				
<hr/>						
<b>TR 43.026</b>	<b>Multiband operation of GSM / DCS 1800 by a single operator</b>					
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> G1 / NP	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino	Skov		
	<i>history (event, available, version, comments):</i>					
	GP-04 2001-04-11 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	re-issue as TR (not 2002-07-31 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	TS) as per 03.26					

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TR 43.030</b>	<b>Radio network planning aspects</b>					
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> TEGTH, Ulf	TeliaSonera AB		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	GP-01 2000-10-10 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
	some refs revert to 2000-10-24 4 . 0 . 1				<a href="#">get it</a>	<i>remarks - this release:</i>
	pre-Rel-4 GSM format					
<hr/>						
<b>TS 43.033</b>	<b>Lawful Interception; Stage 2</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> MCKIBBEN, Bernie	MOTOROLA GmbH		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
						<i>remarks - this release:</i>
<hr/>						
<b>TS 43.045</b>	<b>Technical Realization of Facsimile Group 3 Service - transparent</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-06 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
						<i>remarks - this release:</i>
<hr/>						
<b>TS 43.050</b>	<b>Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
						<i>remarks - this release:</i>
<hr/>						
<b>TS 43.052</b>	<b>Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> GIRAUD, Alexis	ALCATEL S.A.		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	GP-04 2001-04-11 4 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
						<i>remarks - this release:</i>

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<b>TS 43.055</b>	<b>Dual Transfer Mode (DTM); Stage 2</b>								
Rel-4	<i>current version:</i> 4.3.0		<i>WG (prime / other):</i> G1 / G2	<i>rapporteur:</i> CARRIZO MARTINEZ,	VODAFONE Group Plc				
	<i>freeze_meeting:</i> SP-11			Jose Luis					
			<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino					
	<i>history (event, available, version, comments):</i>								
	GP-04 2001-04-11	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
	GP-05 2001-06-29	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					
	GP-14 2003-04-25	4 . 2 . 0	<a href="#">get it</a>						
	GP-16 2003-09-12	4 . 3 . 0	<a href="#">get it</a>						
<hr/>									
<b>TR 43.058</b>	<b>Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)</b>								
Rel-4	<i>current version:</i> 4.0.0		<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> MONFORT, Jean-Yves	France Telecom				
	<i>freeze_meeting:</i> SP-11		<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino					
	<i>history (event, available, version, comments):</i>								
	SP-11 2001-04-10	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
				<i>remarks - this release:</i>					
<hr/>									
<b>TS 43.059</b>	<b>Functional stage 2 description of Location Services (LCS) in GERAN</b>								
Rel-4	<i>current version:</i> 4.6.0		<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> LIVINGSTON, Margaret	NOKIA Corporation				
	<i>freeze_meeting:</i> SP-11		<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino					
	<i>history (event, available, version, comments):</i>								
	GP-02 2001-01-05	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
	draft 2001-02-02	1 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release:</i>					
	GP-04 2001-05-09	4 . 0 . 0	<a href="#">get it</a>						
	GP-05 2001-06-29	4 . 1 . 0	<a href="#">get it</a>						
	GP-06 2001-10-01	4 . 2 . 0	<a href="#">get it</a>						
	GP-07 2002-01-04	4 . 3 . 0	<a href="#">get it</a>						
	GP-08 2002-02-19	4 . 4 . 0	<a href="#">get it</a>						
	GP-10 2002-07-19	4 . 5 . 0	<a href="#">get it</a>						
	GP-19 2004-05-06	4 . 6 . 0	<a href="#">get it</a>						

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 43.064 Overall description of the GPRS radio interface; Stage 2

Rel-4 *current version:* 4.5.0 *WG (prime / other):* G1 / - *rapporteur:* LEPPISAARI, Arto NOKIA Corporation  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
GP-03 2001-02-15 4 . 0 . 0 [get it](#) *remarks - general:*  
GP-04 2001-04-20 4 . 1 . 0 [get it](#) *remarks - this release:*  
GP-07 2002-01-04 4 . 2 . 0 [get it](#)  
GP-08 2002-02-19 4 . 3 . 0 [get it](#)  
GP-14 2003-04-25 4 . 4 . 0 [get it](#)  
GP-19 2004-05-06 4 . 5 . 0 [get it](#)

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## TS 43.068 Voice Group Call Service (VGCS); Stage 2

Rel-4 *current version:* 4.3.0 *WG (prime / other):* N1 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
NP-08 2000-06-23 4 . 0 . 0 [get it](#) *remarks - general:*  
NP-09 2000-10-12 4 . 1 . 0 [get it](#) *remarks - this release:*  
edito 2000-10-24 4 . 1 . 1 [get it](#)  
NP-10 2001-01-02 4 . 2 . 0 [get it](#)  
edito 2002-06-17 4 . 2 . 1 [get it](#)  
edito 2002-06-28 4 . 2 . 2 [get it](#)  
NP-21 2003-10-08 4 . 3 . 0 [get it](#)

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## TS 43.069 Voice Broadcast service (VBS); Stage 2

Rel-4 *current version:* 4.3.0 *WG (prime / other):* N1 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
NP-08 2000-06-23 4 . 0 . 0 [get it](#) *remarks - general:*  
NP-09 2000-10-12 4 . 1 . 0 [get it](#) *remarks - this release:*  
edito 2002-06-28 4 . 1 . 1 [get it](#)  
NP-10 2001-01-03 4 . 2 . 0 [get it](#)  
edito 2002-06-06 4 . 2 . 1 [get it](#)  
Note 1 to 9 and 2002-06-27 4 . 2 . 2 [get it](#)  
Note 2 to 10 in fig. 4  
NP-21 2003-10-08 4 . 3 . 0 [get it](#)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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**TS 43.073 Support of Localised Service Area (SoLSA); Stage 2**  
Rel-4 *current version:* 4.0.0 *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*freeze\_meeting:* SP-16 *G: yes U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
SP-16 2002-06-24 4 . 0 . 0 = 23.073 v4.0.0 [get it](#) *remarks - general:* SP-16: derived from 23.073 on reversion to GERAN-only service.  
*remarks - this release:* .

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Rel-4 **44** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/44\\_series](http://www.3gpp.org/ftp/Specs/archive/44_series)

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**TS 44.001 Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles**  
Rel-4 *current version:* 4.1.0 *WG (prime / other):* N1 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* JORGENSEN, Per Johan Skov  
*history (event, available, version, comments):*  
NP-11 2001-04-11 4 . 0 . 0 [get it](#) *remarks - general:*  
NP-16 2002-06-20 4 . 1 . 0 [get it](#) *remarks - this release:*

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**TS 44.003 Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities**  
Rel-4 *current version:* 4.0.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* GP-04 *G: yes U:* *MCC:* THOMASEN, Gert Skov  
*history (event, available, version, comments):*  
GP-04 2001-05-04 4 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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**TS 44.004 Layer 1 - General Requirements**  
Rel-4 *current version:* 4.2.0 *WG (prime / other):* G2 / - *rapporteur:* ISAACS, Ken SIEMENS AG  
*freeze\_meeting:* GP-04 *G: yes U:* *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
GP-04 2001-05-04 4 . 0 . 0 [get it](#) *remarks - general:*  
GP-06 2001-09-14 4 . 1 . 0 [get it](#) *remarks - this release:*  
GP-07 2002-01-08 4 . 2 . 0 [get it](#)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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**TS 44.005 Data Link (DL) Layer General Aspects**

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* GP-04

*WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*G: yes U:* *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*  
GP-04 2001-05-04 4 . 0 . 0

[get it](#) *remarks - general:*  
*remarks - this release:*

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**TS 44.006 Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification**

Rel-4 *current version:* 4.1.1  
*freeze\_meeting:* GP-04

*WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*G: yes U:* *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*  
GP-04 2001-05-04 4 . 0 . 0  
GP-08 2002-02-19 4 . 1 . 0  
post GP-08 editorial 2003-12-05 4 . 1 . 1

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)

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**TS 44.012 Short Message Service Cell Broadcast (SMS-CB) Support on the Mobile Radio Interface**

Rel-4 *current version:* 4.0.1  
*freeze\_meeting:* GP-04

*WG (prime / other):* G2 / N2 *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*G: yes U:* *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*  
GP-04 2001-05-04 4 . 0 . 0  
edito 2002-12-17 4 . 0 . 1

[get it](#) *remarks - general:* Rel-4 onwards. (Rel-99 was 24.012)  
[get it](#) *remarks - this release:* TSG#11: Replaces 24.012 for Rel-4 on.

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**TS 44.013 Performance Requirements on Mobile Radio Interface**

Rel-4 *current version:* 4.1.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* N1 / - *rapporteur:* DAWES, Peter VODAFONE LTD  
*G: yes U:* *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*  
NP-11 2001-04-11 4 . 0 . 0  
NP-16 2002-06-20 4 . 1 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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## TS 44.014 Individual equipment type requirements and interworking; Special conformance testing functions

Rel-4 *current version:* 4.3.0 *WG (prime / other):* G2 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* GP-04 *G:* yes *U:* *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*

GP-04	2001-05-04	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
GP-05	2001-06-18	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
GP-10	2002-07-19	4	.	2	.	0	<a href="#">get it</a>
GP-15	2003-07-10	4	.	3	.	0	<a href="#">get it</a>

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## TS 44.018 Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol

Rel-4 *current version:* 4.17.0 *WG (prime / other):* G2 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* GP-04 *G:* yes *U:* *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*

04.18 to 3G format	2000-08-10	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>	
GP-01	2000-10-11	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release: #32:9.0.0 MCC-converted Aug00:</i>	
edito	2000-10-24	4	.	1	.	1	<a href="#">get it</a>	
GP-02	2000-12-21	4	.	2	.	0	<a href="#">get it</a>	
GP-03	2001-01-31	4	.	3	.	0	<a href="#">get it</a>	
GP-04	2001-05-04	4	.	4	.	0	<a href="#">get it</a>	
GP-05	2001-06-18	4	.	5	.	0	<a href="#">get it</a>	
GP-06	2001-09-10	4	.	6	.	0	<a href="#">get it</a>	
GP-07	2002-01-08	4	.	7	.	0	<a href="#">get it</a>	
GP-08	2002-02-19	4	.	8	.	0	<a href="#">get it</a>	
GP-09	2002-05-02	4	.	9	.	0	<a href="#">get it</a>	
edito post	GP-09	2002-05-28	4	.	9	.	1	<a href="#">get it</a>
GP-10	2002-07-19	4	.	10	.	0	<a href="#">get it</a>	
GP-11	2002-09-16	4	.	11	.	0	<a href="#">get it</a>	
GP-12	2002-12-17	4	.	12	.	0	<a href="#">get it</a>	
GP-13	2003-02-21	4	.	13	.	0	<a href="#">get it</a>	
GP-14	2003-04-28	4	.	14	.	0	<a href="#">get it</a>	
GP-15	2003-07-10	4	.	15	.	0	<a href="#">get it</a>	
post GP-15 editorial	2003-12-05	4	.	15	.	1	<a href="#">get it</a>	
GP-18	2004-02-23	4	.	16	.	0	<a href="#">get it</a>	
GP-19	2004-05-06	4	.	17	.	0	<a href="#">get it</a>	

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<b>TS 44.021</b>	<b>Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface</b>					
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> RÄSÄNEN, Juha	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version, comments):</i>					
	NP-10 2000-12-21 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-17 2002-09-19 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>						
<b>TS 44.031</b>	<b>Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)</b>					
Rel-4	<i>current version:</i> 4.9.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)		
	<i>freeze_meeting:</i> GP-04	G: yes U:	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version, comments):</i>					
	GP-04 2001-05-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	GP-05 2001-06-18 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	GP-06 2001-09-14 4 . 2 . 0	<a href="#">get it</a>				
	GP-07 2002-01-08 4 . 3 . 0	<a href="#">get it</a>				
	GP-08 2002-02-19 4 . 4 . 0	<a href="#">get it</a>				
	GP-09 2002-05-02 4 . 5 . 0	<a href="#">get it</a>				
	GP-10 2002-07-19 4 . 6 . 0	<a href="#">get it</a>				
	GP-16 2003-09-12 4 . 7 . 0	<a href="#">get it</a>				
	GP-18 2004-02-23 4 . 8 . 0	<a href="#">get it</a>				
	GP-19 2004-05-06 4 . 9 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 44.035</b>	<b>Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods</b>					
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)		
	<i>freeze_meeting:</i> GP-04	G: yes U:	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version, comments):</i>					
	GP-04 2001-05-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	GP-07 2002-01-08 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>						
<b>TS 44.056</b>	<b>GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> HUPPERICH, Peter	ALCATEL S.A.		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version, comments):</i>					
	NP-11 2001-04-11 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			

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<b>TS 44.057</b>	<b>GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification</b>				
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> HUPPERICH, Peter	ALCATEL S.A.	
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>				
	NP-11 2001-04-11 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i>		
<hr/>					
<b>TS 44.060</b>	<b>General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol</b>				
Rel-4	<i>current version:</i> 4.16.0	<i>WG (prime / other):</i> G2 /	<i>rapporteur:</i> HOWELL, Andrew	MOTOROLA Ltd	
	<i>freeze_meeting:</i> GP-04	G: yes U:	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version, comments):</i>				
	GP-03 2001-01-31 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System	
	GP-04 2001-05-04 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	(BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	
	GP-05 2001-06-18 4 . 2 . 0	<a href="#">get it</a>			
	GP-06 2001-09-14 4 . 3 . 0	<a href="#">get it</a>			
	GP-07 2002-01-09 4 . 4 . 0	<a href="#">get it</a>			
	GP-08 2002-02-19 4 . 5 . 0	<a href="#">get it</a>			
	GP-09 2002-05-03 4 . 6 . 0	<a href="#">get it</a>			
edito post	GP-09 2002-05-28 4 . 6 . 1	<a href="#">get it</a>			
	GP-10 2002-07-19 4 . 7 . 0	<a href="#">get it</a>			
	GP-11 2002-09-16 4 . 8 . 0	<a href="#">get it</a>			
	GP-12 2002-12-17 4 . 9 . 0	<a href="#">get it</a>			
	GP-13 2003-02-21 4 . 10 . 0	<a href="#">get it</a>			
	GP-14 2003-04-29 4 . 11 . 0	<a href="#">get it</a>			
	GP-15 2003-07-10 4 . 12 . 0	<a href="#">get it</a>			
	GP-16 2003-09-13 4 . 13 . 0	<a href="#">get it</a>			
	GP-17 2003-12-05 4 . 14 . 0	<a href="#">get it</a>			
	GP-18 2004-02-23 4 . 15 . 0	<a href="#">get it</a>			
	GP-19 2004-05-06 4 . 16 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 44.064</b>	<b>Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification</b>				
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> DOIG, Ian	MOTOROLA S.A.S	
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>				
	NP-11 2001-04-11 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-12 2001-06-29 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-14 2002-01-04 4 . 2 . 0	<a href="#">get it</a>			
	NP-15 2002-03-19 4 . 3 . 0	<a href="#">get it</a>			

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<b>TS 44.065</b>	<b>Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)</b>				
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> DOIG, Ian	MOTOROLA S.A.S	
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>				
	NP-10 2001-01-02 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	24.065 existed, but scrapped since 04.65 is GSM only.	
	NP-13 2001-10-02 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-15 2002-03-19 4 . 2 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 44.068</b>	<b>Group Call Control (GCC) Protocol</b>				
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)	
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>				
	conversion to 3GPP 2000-09-06 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	format		<i>remarks - this release:</i>		
	NP-09 2000-10-12 4 . 1 . 0	<a href="#">get it</a>			
	edito 2000-10-24 4 . 1 . 1	<a href="#">get it</a>			
	NP-12 2001-06-29 4 . 2 . 0	<a href="#">get it</a>			
	NP-16 2002-06-19 4 . 3 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 44.069</b>	<b>Broadcast Call Control (BCC) protocol</b>				
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)	
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>				
	NP-08 2000-06-23 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-09 2000-10-12 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	edito 2000-10-24 4 . 1 . 1	<a href="#">get it</a>			
	NP-12 2001-06-29 4 . 2 . 0	<a href="#">get it</a>			
	NP-16 2002-06-19 4 . 3 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 44.071</b>	<b>Location Services (LCS); Mobile radio interface layer 3 LCS specification</b>				
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> GP-04	G: yes U:	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version, comments):</i>				
	GP-04 2001-05-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	GP-05 2001-06-18 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	GP-07 2002-01-08 4 . 2 . 0	<a href="#">get it</a>			
	GP-10 2002-07-19 4 . 3 . 0	<a href="#">get it</a>			

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**TS 45.001 Physical layer on the radio path; General description**

Rel-4 *current version:* 4.3.0 *WG (prime / other):* G1 / - *rapporteur:* JOKINEN, Harri NOKIA MOBILE PHONES  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version, comments):*

GP-01	2000-10-10	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
edito	2000-10-24	4	.	0	.	1	<a href="#">get it</a> <i>remarks - this release:</i>
GP-07	2002-01-04	4	.	1	.	0	<a href="#">get it</a>
GP-14	2003-04-25	4	.	2	.	0	<a href="#">get it</a>
GP-17	2003-12-05	4	.	3	.	0	<a href="#">get it</a>

**TS 45.002 Multiplexing and multiple access on the radio path**

Rel-4 *current version:* 4.8.0 *WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist NOKIA Corporation  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version, comments):*

GP-01	2000-10-10	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
edito	2000-10-24	4	.	0	.	1	<a href="#">get it</a> <i>remarks - this release:</i>
GP-02	2000-11-24	4	.	1	.	0	<a href="#">get it</a>
edito	2000-11-30	4	.	1	.	1	<a href="#">get it</a>
GP-03	2001-01-15	4	.	2	.	0	<a href="#">get it</a>
edito	2001-02-27	4	.	2	.	1	<a href="#">get it</a>
GP-04	2001-04-20	4	.	3	.	0	<a href="#">get it</a>
GP-06	2001-10-01	4	.	4	.	0	<a href="#">get it</a>
GP-07	2002-01-04	4	.	5	.	0	<a href="#">get it</a>
GP-13	2003-02-21	4	.	6	.	0	<a href="#">get it</a>
GP-14	2003-04-25	4	.	7	.	0	<a href="#">get it</a>
GP-15	2003-07-11	4	.	8	.	0	<a href="#">get it</a>

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 45.003</b>	<b>Channel coding</b>					
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> SÉBIRE, Benoist	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	GP-03 2001-02-06 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	GP-07 2002-01-04 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	GP-14 2003-04-25 4 . 2 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 45.004</b>	<b>Modulation</b>					
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> SÉBIRE, Benoist	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	GP-04 2001-06-18 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	GP-05 2001-06-29 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	GP-07 2002-01-04 4 . 2 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 45.005</b>	<b>Radio transmission and reception</b>					
Rel-4	<i>current version:</i> 4.14.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> SAMUELSSON, Mats	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	GP-01 2000-10-10 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	edito 2000-10-24 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	GP-02 2000-11-24 4 . 1 . 0	<a href="#">get it</a>				
	edito 2000-11-30 4 . 1 . 1	<a href="#">get it</a>				
	GP-03 2001-02-15 4 . 2 . 0	<a href="#">get it</a>				
	GP-04 2001-04-20 4 . 3 . 0	<a href="#">get it</a>				
	GP-05 2001-06-29 4 . 4 . 0	<a href="#">get it</a>				
	GP-06 2001-10-01 4 . 5 . 0	<a href="#">get it</a>				
	GP-07 2002-01-04 4 . 6 . 0	<a href="#">get it</a>				
	GP-09 2002-05-06 4 . 7 . 0	<a href="#">get it</a>				
	GP-10 2002-07-19 4 . 8 . 0	<a href="#">get it</a>				
	GP-11 2002-09-19 4 . 9 . 0	<a href="#">get it</a>				
	GP-13 2003-02-21 4 . 10 . 0	<a href="#">get it</a>				
	GP-14 2003-04-25 4 . 11 . 0	<a href="#">get it</a>				
	GP-15 2003-07-11 4 . 12 . 0	<a href="#">get it</a>				
	GP-16 2003-09-12 4 . 13 . 0	<a href="#">get it</a>				
	GP-19 2004-05-06 4 . 14 . 0	<a href="#">get it</a>				

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<b>TS 45.008</b>	<b>Radio subsystem link control</b>					
Rel-4	<i>current version:</i> 4.13.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> EL-SAIGH, Amer	VODAFONE Group Plc		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	GP-01 2000-09-01 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	GP-02 2000-11-24 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	edito 2000-11-30 4 . 1 . 1	<a href="#">get it</a>				
	GP-03 2001-02-15 4 . 2 . 0	<a href="#">get it</a>				
	GP-04 2001-04-20 4 . 3 . 0	<a href="#">get it</a>				
	GP-05 2001-06-29 4 . 4 . 0	<a href="#">get it</a>				
	GP-06 2001-10-01 4 . 5 . 0	<a href="#">get it</a>				
	GP-07 2002-01-04 4 . 6 . 0	<a href="#">get it</a>				
	GP-08 2002-02-18 4 . 7 . 0	<a href="#">get it</a>				
	GP-09 2002-05-06 4 . 8 . 0	<a href="#">get it</a>				
	GP-10 2002-07-19 4 . 9 . 0	<a href="#">get it</a>				
	GP-14 2003-04-25 4 . 10 . 0	<a href="#">get it</a>				
	GP-15 2003-07-11 4 . 11 . 0	<a href="#">get it</a>				
	GP-16 2003-09-12 4 . 12 . 0	<a href="#">get it</a>				
	GP-17 2003-12-05 4 . 13 . 0	<a href="#">get it</a>				

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<b>TS 45.009</b>	<b>Link adaptation</b>					
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino	Skov		
	<i>history (event, available, version, comments):</i>					
	GP-02 2001-02-06 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	GP-06 2001-10-01 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	GP-07 2002-01-04 4 . 2 . 0	<a href="#">get it</a>				

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<b>TS 45.010</b>	<b>Radio subsystem synchronization</b>					
Rel-4	<i>current version:</i> 4.5.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> JOKINEN, Harri		NOKIA MOBILE PHONES	
	<i>freeze_meeting:</i> SP-11	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	GP-04 2001-04-20 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	GP-07 2002-01-04 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	GP-08 2002-02-19 4 . 2 . 0	<a href="#">get it</a>				
	GP-10 2002-07-19 4 . 3 . 0	<a href="#">get it</a>				
	GP-13 2003-02-21 4 . 4 . 0	<a href="#">get it</a>				
	GP-16 2003-09-12 4 . 5 . 0	<a href="#">get it</a>				

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<b>TR 45.022</b>	<b>Radio link management in hierarchical networks</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> VAN BUSSEL, Han		T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> SP-11	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	GP-04 2001-04-11 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			

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<b>TR 45.050</b>	<b>Background for RF Requirements</b>					
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov		MOTOROLA A/S	
	<i>freeze_meeting:</i> SP-11	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	GP-04 2001-04-11 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	make figures legible 2001-08-01 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			

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<b>TS 45.056</b>	<b>CTS-FP Radio Sub-system</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> USAI, Paolino		TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> SP-11	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	GP-04 2001-04-11 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			

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<b>TS 46.001</b>	<b>Full Rate Speech Processing Functions</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino		TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-10-10 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	<i>remarks - this release:</i>
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<b>TS 46.002</b>	<b>Half Rate Speech Processing Functions</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve		MOTOROLA Ltd	
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	<i>remarks - this release:</i>
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<b>TS 46.006</b>	<b>Half-rate speech: ANSI-C code for GSM half-rate speech codec</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve		MOTOROLA Ltd	
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	<i>remarks - this release:</i>
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<b>TS 46.007</b>	<b>Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve		MOTOROLA Ltd	
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	<i>remarks - this release:</i>
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<b>TR 46.008</b>	<b>Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SALEM, Tarek		T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	<i>remarks - this release:</i>

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<b>TS 46.010</b>	<b>Full-rate speech transcoding</b>					
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> LORENZ, Dietmar	PHILIPS Semiconductors		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-12 2001-06-29 4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
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<b>TS 46.011</b>	<b>Substitution and Muting of Lost Frames for Full Rate Speech Channels</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> NAVARRO, William	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i>		
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<b>TS 46.012</b>	<b>Comfort Noise Aspects for Full Rate Speech Traffic Channels</b>					
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SERENO, Daniele	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-12 2001-06-29 4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
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<b>TS 46.020</b>	<b>Half Rate Speech Transcoding</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i>		
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<b>TS 46.021</b>	<b>Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
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<b>TS 46.022</b>	<b>Comfort Noise Aspects for Half Rate Speech Traffic Channels</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	AFTELAK, Steve	MOTOROLA Ltd
	<i>freeze_meeting:</i> SP-11	G: yes U:		MCC:	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	
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<b>TS 46.031</b>	<b>Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	USAI, Paolino	TELECOM ITALIA S.p.A.
	<i>freeze_meeting:</i> SP-11	G: yes U:		MCC:	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	
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<b>TS 46.032</b>	<b>Voice Activity Detection (VAD)</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	BARRETT, Paul	Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i> SP-11	G: yes U:		MCC:	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	
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<b>TS 46.041</b>	<b>Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	USAI, Paolino	TELECOM ITALIA S.p.A.
	<i>freeze_meeting:</i> SP-11	G: yes U:		MCC:	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	
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<b>TS 46.042</b>	<b>Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	BARRETT, Paul	Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i> SP-11	G: yes U:		MCC:	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
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<b>TS 46.051</b>	<b>GSM Enhanced full rate speech processing functions: General description</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			
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<b>TS 46.053</b>	<b>ANSI-C code for the GSM Enhanced full rate speech codec</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			
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<b>TS 46.054</b>	<b>Test sequences for the GSM Enhanced Full Rate (EFR)</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			
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<b>TR 46.055</b>	<b>Performance characterisation of the GSM EFR Speech Codec</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SALEM, Tarek	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			
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<b>TS 46.060</b>	<b>Enhanced full rate speech transcoding</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
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<b>TS 46.061</b>	<b>Substitution and muting of lost frames for enhanced full rate speech traffic channels</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari		NOKIA Corporation	
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	<i>remarks - this release:</i>
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<b>TS 46.062</b>	<b>Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari		NOKIA Corporation	
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	<i>remarks - this release:</i>
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<b>TR 46.076</b>	<b>Adaptive Multi-Rate (AMR) speech codec; Study phase report</b>					
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino		TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	fix invisible figures 2002-01-10 4 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i>	
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<b>TS 46.081</b>	<b>Discontinuous Transmission (DTX) for enhanced full rate speech traffic channels</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari		NOKIA Corporation	
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	<i>remarks - this release:</i>
<hr/>						
<b>TS 46.082</b>	<b>Voice Activity Detection (VAD) for enhanced full rate speech traffic channels</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari		NOKIA Corporation	
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-11 2001-04-10 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	<i>remarks - this release:</i>

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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ACTIVE specs Rel-4 46 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/46\\_series](http://www.3gpp.org/ftp/Specs/archive/46_series)

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**TR 46.085 Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation**  
Rel-4 *current version:* 4.0.0 *WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
SP-11 2001-04-10 4 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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Rel-4 **48** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/48\\_series](http://www.3gpp.org/ftp/Specs/archive/48_series)

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**TS 48.001 General Aspects on the BSS-MSC Interface**  
Rel-4 *current version:* 4.0.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* GP-04 *G: yes U:* *MCC:* Skov THOMASEN, Gert  
*history (event, available, version, comments):*  
GP-04 2001-05-04 4 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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**TS 48.002 Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles**  
Rel-4 *current version:* 4.2.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* GP-04 *G: yes U:* *MCC:* Skov THOMASEN, Gert  
*history (event, available, version, comments):*  
GP-04 2001-05-04 4 . 0 . 0 [get it](#) *remarks - general:*  
GP-05 2001-06-18 4 . 1 . 0 [get it](#) *remarks - this release:*  
GP-07 2002-01-08 4 . 2 . 0 Rel-5 CR undone. Effectively reverts to [get it](#)  
4.0.0

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**TS 48.004 Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification**  
Rel-4 *current version:* 4.0.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* GP-04 *G: yes U:* *MCC:* Skov THOMASEN, Gert  
*history (event, available, version, comments):*  
GP-04 2001-05-04 4 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs Rel-4 48 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/48\\_series](http://www.3gpp.org/ftp/Specs/archive/48_series)

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**TS 48.006**    **Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface**  
Rel-4    *current version:* 4.0.0    *WG (prime / other):* G2 / -    *rapporteur:* ANDERSEN, Niels Peter    MOTOROLA A/S  
*freeze\_meeting:* GP-04    G: yes    U:    *MCC:* THOMASEN, Gert  
*Skov*  
*history (event, available, version, comments):*  
GP-04 2001-05-04 4 . 0 . 0    [get it](#)    *remarks - general:*  
*remarks - this release:*

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**TS 48.008**    **Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification**  
Rel-4    *current version:* 4.10.0    *WG (prime / other):* G2 / -    *rapporteur:* ANDERSEN, Niels Peter    MOTOROLA A/S  
*freeze\_meeting:* GP-04    G: yes    U:    *MCC:* THOMASEN, Gert  
*Skov*  
*history (event, available, version, comments):*  
08.08 to 3G format 2000-08-11 4 . 0 . 0    [get it](#)    *remarks - general:*  
GP-01 2000-10-11 4 . 1 . 0    [get it](#)    *remarks - this release:*  
    edito 2000-10-24 4 . 1 . 1    [get it](#)  
GP-02 2001-01-11 4 . 2 . 0    [get it](#)  
GP-03 2001-01-31 4 . 3 . 0    [get it](#)  
GP-04 2001-05-04 4 . 4 . 0    [get it](#)  
GP-06 2001-09-14 4 . 5 . 0    [get it](#)  
GP-07 2002-01-08 4 . 6 . 0    [get it](#)  
GP-08 2002-02-19 4 . 7 . 0    [get it](#)  
GP-10 2002-07-19 4 . 8 . 0    [get it](#)  
GP-15 2003-07-10 4 . 9 . 0    [get it](#)  
GP-16 2003-09-12 4 . 10 . 0    [get it](#)

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**TS 48.014**    **General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1**  
Rel-4    *current version:* 4.0.0    *WG (prime / other):* G2 / -    *rapporteur:* ANDERSEN, Niels Peter    MOTOROLA A/S  
*freeze\_meeting:* GP-04    G: yes    U:    *MCC:* THOMASEN, Gert  
*Skov*  
*history (event, available, version, comments):*  
GP-04 2001-05-04 4 . 0 . 0    [get it](#)    *remarks - general:*  
*remarks - this release:*

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs Rel-4 48 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/48\\_series](http://www.3gpp.org/ftp/Specs/archive/48_series)

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<b>TS 48.016</b>	<b>General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service</b>								
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S					
	<i>freeze_meeting:</i> GP-04			Skov					
		G: yes U:	MCC:	THOMASEN, Gert					
	<i>history (event, available, version, comments):</i>								
	GP-02 2000-11-17	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
	GP-04 2001-05-04	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					
	edito 2001-06-07	4 . 1 . 1	<a href="#">get it</a>						
	GP-06 2001-09-14	4 . 2 . 0	<a href="#">get it</a>						
	GP-15 2003-07-10	4 . 3 . 0	<a href="#">get it</a>						

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<b>TS 48.018</b>	<b>General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol</b>								
Rel-4	<i>current version:</i> 4.7.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> BLACK, Jyoti	MOTOROLA					
	<i>freeze_meeting:</i> GP-04			THOMASEN, Gert					
	<i>history (event, available, version, comments):</i>								
	GP-02 2000-11-17	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
	GP-03 2001-01-31	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					
	GP-04 2001-05-04	4 . 2 . 0	<a href="#">get it</a>						
	GP-05 2001-06-18	4 . 3 . 0	<a href="#">get it</a>						
	edito 2001-06-29	4 . 3 . 1	<a href="#">get it</a>						
	GP-06 2001-09-10	4 . 4 . 0	<a href="#">get it</a>						
	GP-09 2002-05-06	4 . 5 . 0	<a href="#">get it</a>						
	GP-18 2004-02-23	4 . 6 . 0	<a href="#">get it</a>						
	GP-19 2004-05-06	4 . 7 . 0	<a href="#">get it</a>						

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<b>TS 48.020</b>	<b>Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface</b>								
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> RÄSÄNEN, Juha	NOKIA Corporation					
	<i>freeze_meeting:</i> SP-11			BOSWARTHICK, David					
	<i>history (event, available, version, comments):</i>								
	NP-11 2001-04-06	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
	NP-17 2002-09-19	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					

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<b>TS 48.031</b>	<b>Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification</b>				
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> GP-04		Skov		
		G: yes U:	MCC:	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i>				
	GP-04 2001-05-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	GP-05 2001-06-18 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		

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<b>TS 48.051</b>	<b>Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects</b>				
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> GP-04		Skov		
		G: yes U:	MCC:	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i>				
	GP-04 2001-05-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	GP-07 2002-01-08 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		

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<b>TS 48.052</b>	<b>Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles</b>				
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> GP-04		Skov		
		G: yes U:	MCC:	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i>				
	GP-04 2001-05-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	edito 2001-05-15 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>		

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<b>TS 48.054</b>	<b>Base Station Controller - Base Tranceiver Station (BSC - BTS) interface; Layer 1 structure of physical circuits</b>				
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> GP-04		Skov		
		G: yes U:	MCC:	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i>				
	GP-04 2001-05-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i>		

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<b>TS 48.056</b>	<b>Base Station Controller - Base Tranceiver Station (BSC - BTS) interface; Layer 2 specification</b>				
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> GP-04		Skov		
		G: yes U:	MCC:	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i>				
	GP-04 2001-05-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i>		

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 48.058</b>	<b>Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification</b>				
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> GP-04		Skov		
		G: yes U:	MCC:	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i>				
	GP-04 2001-05-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	GP-08 2002-02-19 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		

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<b>TS 48.060</b>	<b>In-band control of remote transcoders and rate adaptors for full rate traffic channels</b>				
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> GP-04		Skov		
		G: yes U:	MCC:	USAI, Paolino	
	<i>history (event, available, version, comments):</i>				
	GP-04 2001-05-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.	
	edito 2001-05-28 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>		
	GP-08 2002-02-19 4 . 1 . 0	<a href="#">get it</a>			

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<b>TS 48.061</b>	<b>In-band control of remote transcoders and rate adaptors for half rate traffic channels</b>				
Rel-4	<i>current version:</i> 4.1.1	<i>WG (prime / other):</i> G1 / NP	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> GP-04		Skov		
		G: yes U:	MCC:	USAI, Paolino	
	<i>history (event, available, version, comments):</i>				
	GP-04 2001-05-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.	
	GP-08 2002-02-19 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		Cover sheet still shows version 4.0.0 and wrong date.
	editorial pody GP-08 2002-03-20 4 . 1 . 1	<a href="#">get it</a>			

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<b>TS 48.071</b>	<b>Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification</b>				
Rel-4	<i>current version:</i> 4.4.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> GP-04		Skov		
		G: yes U:	MCC:	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i>				
	GP-04 2001-05-04 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	GP-06 2001-09-14 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	GP-07 2002-01-08 4 . 2 . 0	<a href="#">get it</a>			
	GP-08 2002-02-19 4 . 3 . 0	<a href="#">get it</a>			
	GP-15 2003-07-10 4 . 4 . 0	<a href="#">get it</a>			

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## TR 49.001 General network interworking scenarios

Rel-4 *current version:* 4.0.1 *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*freeze\_meeting:* SP-11 *G:* yes *U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
NP-11 2001-04-04 4 . 0 . 0 [get it](#) *remarks - general:*  
correct references 2002-06-25 4 . 0 . 1 [get it](#) *remarks - this release:*

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## TS 49.008 Application of the Base Station System Application Part (BSSAP) on the E-Interface

Rel-4 *current version:* 4.1.0 *WG (prime / other):* N1 / - *rapporteur:* FARHOUMAND, Rouzbeh Ericsson Incorporated  
*freeze\_meeting:* SP-11 *G:* yes *U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
NP-11 2001-04-11 4 . 0 . 0 [get it](#) *remarks - general:*  
draft 2002-06-17 4 . 0 . 1 [get it](#) *remarks - this release:*  
NP-19 2003-03-24 4 . 1 . 0 [get it](#)

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## TS 49.031 Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)

Rel-4 *current version:* 4.4.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* GP-04 *G:* yes *U:* *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
GP-04 2001-05-04 4 . 0 . 0 [get it](#) *remarks - general:*  
edito 2001-10-03 4 . 0 . 1 [get it](#) *remarks - this release:*  
GP-06 2001-09-14 4 . 1 . 0 [get it](#)  
edito 2001-10-03 4 . 1 . 1 [get it](#)  
GP-07 2002-01-08 4 . 2 . 0 [get it](#)  
GP-10 2002-07-19 4 . 3 . 0 [get it](#)  
GP-19 2004-05-06 4 . 4 . 0 [get it](#)

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Rel-4 50 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/50\\_series](http://www.3gpp.org/ftp/Specs/archive/50_series)

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**TR 50.059 Enhanced Data rates for GSM Evolution (EDGE); Project scheduling and open issues for EDGE**  
Rel-4 *current version:* 4.0.1 *WG (prime / other):* G1 / - *rapporteur:* MUELLER, Frank Telefon AB LM Ericsson  
*freeze\_meeting:* SP-11 *G:* yes *U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
GP-04 2001-04-11 4 . 0 . 0 [get it](#) *remarks - general:*  
edito 2001-10-01 4 . 0 . 1 [get it](#) *remarks - this release:*

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Rel-4 **51** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/51\\_series](http://www.3gpp.org/ftp/Specs/archive/51_series)

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**TS 51.010-1 Mobile Station (MS) conformance specification; Part 1: Conformance specification**  
Rel-4 *current version:* 4.10.0 *WG (prime / other):* G3new/ S1 / *rapporteur:* HU, Shicheng ETSI Secretariat  
*freeze\_meeting:* SP-11 NP /  
T2 /  
SCP  
*G:* yes *U:* *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
conversion from 2000-08-01 4 . 0 . 1 [get it](#) *remarks - general:* 2001-11-19: G4->G5.  
11.10-1 v9.0.1 [get it](#) *remarks - this release:* #32:9.0.0 MCC-converted Aug00:4.0.1  
edito 2000-10-24 4 . 0 . 2 [get it](#)  
GP-02 2000-12-01 4 . 1 . 0 [get it](#)  
edito to correct 2000-12-01 4 . 1 . 1 [get it](#)  
Release  
edito 2001-01-17 4 . 1 . 2 [get it](#)  
GP-03 2001-01-22 4 . 2 . 0 [get it](#)  
GP-04 2001-04-11 4 . 3 . 0 [get it](#)  
GP-05 2001-06-05 4 . 4 . 0 [get it](#)  
GP-06 2001-08-31 4 . 5 . 0 [get it](#)  
GP-07 2002-01-09 4 . 6 . 0 [get it](#)  
GP-08 2002-02-26 4 . 7 . 0 [get it](#)  
GP-09 2002-05-03 4 . 8 . 0 [get it](#)  
GP-10 2002-07-19 4 . 9 . 0 [get it](#)  
GP-11 2002-09-20 4 . 10 . 0 [get it](#)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs Rel-4 51 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/51\\_series](http://www.3gpp.org/ftp/Specs/archive/51_series)

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## TS 51.010-2 Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification

Rel-4 *current version:* 4.7.0 *WG (prime / other):* G3new/ S1 / *rapporteur:* HU, Shicheng ETSI Secretariat  
*freeze\_meeting:* SP-14 NP /  
T2 /  
SCP

G: yes U: MCC: CLAYTON, Michael

### history (event, available, version, comments):

GP-02		1	.	0	.	0
GP-04	2001-04-11	4	.	0	.	0
GP-05	2001-06-05	4	.	1	.	0
GP-06	2001-08-31	4	.	2	.	0
GP-07	2002-01-09	4	.	3	.	0
GP-07 minor	2002-01-18	4	.	3	.	1
editorial						
GP-08	2002-02-26	4	.	4	.	0
GP-09	2002-04-29	4	.	5	.	0
GP-10	2002-07-03	4	.	6	.	0
GP-11	2002-09-19	4	.	7	.	0

[get it](#) *remarks - general:* 2001-11-19: G4->G5.  
*remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
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## TS 51.010-3 Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)

Rel-4 *current version:* 4.8.0 *WG (prime / other):* G3new/ S1 / *rapporteur:* HU, Shicheng ETSI Secretariat  
*freeze\_meeting:* SP-11 NP /  
T2 /  
SCP

G: yes U: MCC: CLAYTON, Michael

### history (event, available, version, comments):

GP-01	2000-09-06	4	.	0	.	0
edito	2000-10-24	4	.	0	.	1
GP-02	2000-11-30	4	.	1	.	0
GP-05	2001-06-28	4	.	2	.	0
GP-06	2001-09-14	4	.	3	.	0
GP-07	2002-01-21	4	.	4	.	0
GP-08	2002-02-19	4	.	5	.	0
GP-09	2002-04-29	4	.	6	.	0
GP-10	2002-07-19	4	.	7	.	0
GP-14	2003-04-29	4	.	8	.	0

[get it](#) *remarks - general:* 2001-11-19: G4->G5.  
*remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
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G = required in systems with GERAN access; U = required in systems with UMTS access.

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## TS 51.010-4 Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit conformance specification

Rel-4 *current version:* 0.0.1 DRAFT *WG (prime / other):* T3 / G3new *rporteur:* HU, Shicheng ETSI Secretariat  
*freeze\_meeting:* SP-14

*G:* yes *U:* *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*

TP-14 2002-01-02 0 . 0 . 1 TP-010250; TP17: the previous doc turned  
Withdrawn, because doc

[get it](#) *remarks - general:* 2001-11-19: G4->G5. TP-14: may be txferred to T3. TP-17:

out to be a sort of draft CR for R99

*remarks - this release:* TP-17: Withdrawn, because doc was in fact R99, not Rel-4. 2003-07-15: Dietze was in

fact R99, not Rel-4. TP-20: transferred to T3 (for when Rel-4 appears!). 2003-

(11.10-4). 2003-07-15: Dietze indicates

indicates that Rel-4 will eventually be produced, so this Release reinstated (though

07-15: Unwithdrawn - see comments against Rel-4.

that a Rel-4 will be required, so this

existing so-called draft v0.0.1 is still scrapped).

Release reinstated, but this version 0.0.1

remains scrapped.

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## TS 51.011 Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface

Rel-4 *current version:* 4.11.0 *WG (prime / other):* T3 / - *rporteur:* GUTHERY, Scott B. Mobile-Mind Inc.  
*freeze\_meeting:* SP-11 *G:* yes *U:* *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*

TP-11 2001-04-09 4 . 0 . 0

[get it](#)

*remarks - general:* TP-14: talk of changing title to "Characteristics of the SIM application".

TP-12 2001-07-06 4 . 1 . 0

[get it](#)

*remarks - this release:* TP-14: At TP-11 it was decided that there would be no need for a Rel-5 version, since by then all terminals will handle a common USIM. But the question still seems to be open.

TP-13 2001-10-11 4 . 2 . 0

[get it](#)

TP-14: settled: there WILL be a Rel-5! TP-16: Rel-5 version withdrawn!

TP-14 2002-01-17 4 . 3 . 0

[get it](#)

TP-16 2002-06-25 4 . 4 . 0

[get it](#)

TP-17 2002-09-18 4 . 5 . 0

[get it](#)

TP-18 2003-01-02 4 . 6 . 0

[get it](#)

TP-19 2003-04-04 4 . 7 . 0

[get it](#)

TP-20 2003-06-23 4 . 8 . 0

[get it](#)

TP-21 2003-09-29 4 . 9 . 0

[get it](#)

TP-22 2004-01-12 4 . 10 . 0

[get it](#)

TP-23 2004-03-26 4 . 11 . 0

[get it](#)

G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 51.013</b>	<b>Test specification for Subscriber Identity Module (SIM) Application Programming Interface (API) for Java Card</b>								
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> BEGASSAT, Christophe	Axalto S.A.					
	<i>freeze_meeting:</i> TP-19	G: yes U:	MCC:	JURISIC, Andrijana					
<i>history (event, available, version, comments):</i>									
	TP-16	2002-06-26	1 . 0 . 0	TP-020128	<a href="#">get it</a>	<i>remarks - general:</i>			
	TP-17	2002-09-23	2 . 0 . 0	TP-020220. Doc has been created without CRs and with no Change History beyond 11,13 v7.4.1. So NOT approved. Will be done TP-18 as a conventional CR. TP-18: no CR; anticipate at TP-19.	<a href="#">get it</a>	<i>remarks - this release:</i>	TP-15: New WI approved in TP-020029.		
	TP-19	2003-04-04	4 . 0 . 0	Created with CR to 11.13 R99	<a href="#">get it</a>				
replace Annex E with correct file	2003-04-16	4 . 0 . 1			<a href="#">get it</a>				
	TP-22	2004-01-12	4 . 1 . 0		<a href="#">get it</a>				
<hr/>									
<b>TS 51.014</b>	<b>Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit</b>								
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> WOODSEND, Kristian	Indicate persons who left Company and wait for new One					
	<i>freeze_meeting:</i> SP-11	G: yes U:	MCC:	JURISIC, Andrijana					
<i>history (event, available, version, comments):</i>									
	TP-18	2003-01-02	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	TP-19	2003-04-04	4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	RP-11: TSG-T agreed not to have a rel-4 version. The 3G equivalent (31.111) will be upgraded to include a GSM-only annex. TP-18: This spec resurrected, based on ETSI		
	TP-21	2003-09-29	4 . 2 . 0		<a href="#">get it</a>				
	TP-22	2004-01-12	4 . 3 . 0		<a href="#">get it</a>		TS 102 223 Rel-4 (via a CR to 11.14 R99).		
<hr/>									
<b>TS 51.021</b>	<b>GSM radio aspects base station system equipment specification</b>								
Rel-4	<i>current version:</i> 4.4.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> BUSIN, Ake	Telefon AB LM Ericsson					
	<i>freeze_meeting:</i> SP-13	G: yes U:	MCC:	USAI, Paolino					
<i>history (event, available, version, comments):</i>									
	GP-07	2002-01-11	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	GP-10	2002-07-19	4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	.		
	GP-12	2003-01-03	4 . 2 . 0		<a href="#">get it</a>				
	GP-13	2003-02-21	4 . 3 . 0		<a href="#">get it</a>				
	GP-15	2003-07-11	4 . 4 . 0		<a href="#">get it</a>				

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**TS 51.026 GSM Repeater Equipment Specification**  
Rel-4 *current version:* 4.0.0 *WG (prime / other):* G1 / - *rapporteur:* BUSIN, Ake Telefon AB LM Ericsson  
*freeze\_meeting:* SP-13 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
post-GP-07 2002-01-23 4 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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Rel-4 **52** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/52\\_series](http://www.3gpp.org/ftp/Specs/archive/52_series)

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**TS 52.021 Network Management (NM) Procedures and messages on the A-bis interface**  
Rel-4 *current version:* 4.0.0 *WG (prime / other):* G1 / S5 *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* GP-09 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
GP-09 2002-05-06 4 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 52.402 Telecommunication management; Performance Management (PM); Performance measurements - GSM**  
Rel-4 *current version:* 4.1.0 *WG (prime / other):* S5 / - *rapporteur:* TOCHE, Christian NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* SP-13 *G: yes U:* *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*  
SP-13 2001-10-05 4 . 0 . 0 formerly 32.402 [get it](#) *remarks - general:* SP-13: replaces 32.402.  
SP-16 2002-06-20 4 . 1 . 0 [get it](#) *remarks - this release:* .

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## R99

R99 **01** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/01\\_series](http://www.3gpp.org/ftp/Specs/archive/01_series)

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## TS 01.01 Technical Specifications and Technical Reports for a GERAN-based 3GPP system

R99	<i>current version:</i> 8.12.0			WG (prime / other):	SP / -	<i>rapporteur:</i> MEREDITH, John M	ETSI Secretariat
	<i>freeze_meeting:</i> SP-06			G: yes U:		MCC: POPE, Maurice	
<i>history (event, available, version, comments):</i>							
	draft	1999-08-01	0 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> post-SP-19: title changed from "GSM Release 1999 Specifications" to cater for
	draft	1999-08-01	0 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i> backwards extension to earlier releases.
	mods to draft	1999-09-01	0 . 0 . 2			<a href="#">get it</a>	
	more mods	1999-09-07	0 . 0 . 3			<a href="#">get it</a>	
WOME cmts included		1999-09-15	0 . 1 . 0			<a href="#">get it</a>	
Becomes T2/smg4 responsibility		1999-09-21	0 . 2 . 0			<a href="#">get it</a>	
	draft	2000-08-04	0 . 3 . 0			<a href="#">get it</a>	
	editorials	1999-10-01	0 . 3 . 0			<a href="#">get it</a>	
align with 21.101		1999-10-07	0 . 4 . 0			<a href="#">get it</a>	
	smg-30	1999-11-11	1 . 0 . 0			<a href="#">get it</a>	
align with 21.101		1999-11-30	1 . 1 . 0	Alignment with 21.101: 1.1.0.		<a href="#">get it</a>	
	smg-31b		2 . 0 . 0				
	smg-32	2000-06-20	8 . 0 . 0			<a href="#">get it</a>	
	SP-10	2001-01-04	8 . 1 . 0			<a href="#">get it</a>	
	SP-12	2001-07-05	8 . 2 . 0			<a href="#">get it</a>	
	SP-13	2001-10-01	8 . 3 . 0			<a href="#">get it</a>	
	SP-14	2002-01-03	8 . 4 . 0			<a href="#">get it</a>	
	SP-15	2002-03-27	8 . 5 . 0			<a href="#">get it</a>	
	SP-16	2002-06-19	8 . 6 . 0			<a href="#">get it</a>	
	SP-17	2002-09-18	8 . 7 . 0			<a href="#">get it</a>	
	SP-18	2003-01-03	8 . 8 . 0			<a href="#">get it</a>	
	SP-19	2003-03-27	8 . 9 . 0			<a href="#">get it</a>	
	SP-20	2003-06-25	8 . 10 . 0			<a href="#">get it</a>	
	SP-21	2003-09-26	8 . 11 . 0			<a href="#">get it</a>	
	editorial	2003-09-30	8 . 11 . 1			<a href="#">get it</a>	
	SP-23	2004-04-02	8 . 12 . 0			<a href="#">get it</a>	

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<b>TR 01.04</b>	<b>Abbreviations and acronyms</b>					
R99	<i>current version:</i> 8.0.0	<i>WG (prime / other):</i> GP / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> SP-06	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	upgrade to R99 2000-05-10 8 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
<hr/>						
<b>TR 01.31</b>	<b>Fraud Information Gathering System (FIGS); Service requirements; Stage 0</b>					
R99	<i>current version:</i> 8.0.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WRIGHT, Tim	Indicate persons who left Company and wait for new One		
	<i>freeze_meeting:</i> SP-06	G: yes U:	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version, comments):</i>					
	Upgrade to R99 2000-06-30 8 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
<hr/>						
<b>TR 01.33</b>	<b>Lawful Interception requirements for GSM</b>					
R99	<i>current version:</i> 8.0.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> MCKIBBEN, Bernie	MOTOROLA GmbH		
	<i>freeze_meeting:</i> SP-06	G: yes U:	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version, comments):</i>					
	Upgrade to R99 2000-06-30 8 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
<hr/>						
<b>TS 01.61</b>	<b>General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements</b>					
R99	<i>current version:</i> 8.0.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WALKER, Michael	VODAFONE Group Plc		
	<i>freeze_meeting:</i> SP-06	G: yes U:	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version, comments):</i>					
	Upgrade to R99 2000-06-30 8 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .

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<b>TS 02.09</b>	<b>Security aspects</b>						
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> S3 / S1 / NP	<i>rapporteur:</i>	CHRISTOFFERSSON, Per	TeliaSonera AB		
	<i>freeze_meeting:</i> SP-06						
	<i>history (event, available, version, comments):</i>	<i>G: yes U:</i>	<i>MCC:</i>	POPE, Maurice			
	Upgrade to R99 2000-06-30 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
	ETSI publication 2001-06-05 8 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>				
<b>TS 02.17</b>	<b>Subscriber Identity Module (SIM); Functional characteristics</b>						
R99	<i>current version:</i> 8.0.0	<i>WG (prime / other):</i> T3 / S1	<i>rapporteur:</i>	HOOKER, Philip	ORANGE PCS LTD		
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>	<i>MCC:</i>	JURISIC, Andrijana			
	<i>history (event, available, version, comments):</i>	<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-30 1999-11-11 8 . 0 . 0		<i>remarks - this release:</i>				
<b>TS 02.19</b>	<b>Subscriber Identity Module Application Programming Interface (SIM API); Stage 1</b>						
R99	<i>current version:</i> 8.0.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i>	DIETRICH, Christian	Axalto S.A.		
	<i>freeze_meeting:</i> SP-12	<i>G: yes U:</i>	<i>MCC:</i>	JURISIC, Andrijana			
	<i>history (event, available, version, comments):</i>	<a href="#">get it</a>	<i>remarks - general:</i>	SMG9->T3@#31			
	TP-12 2002-02-01 8 . 0 . 0 delayed awaiting 11.14		<i>remarks - this release:</i>	Target: Mid-2001; must await stable 11.14 R99. TP-12: approved. 2002-01-31: (Sanders) reinstated to fill the gap between R98 and Rel-4!			
<b>TS 02.33</b>	<b>Lawful Interception (LI); Stage 1</b>						
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> S3 /	<i>rapporteur:</i>	MCKIBBEN, Bernie	MOTOROLA GmbH		
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>	<i>MCC:</i>	POPE, Maurice			
	<i>history (event, available, version, comments):</i>	<a href="#">get it</a>	<i>remarks - general:</i>				
	Upgrade to R99 2000-04-14 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>				
	ETSI publication 2001-06-05 8 . 0 . 1						
<b>TS 02.43</b>	<b>Support of Localised Service Area (SoLSA); Service description; Stage 1</b>						
R99	<i>current version:</i> 8.0.0	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i>	KOKKOLA, Tommi	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>	<i>MCC:</i>	CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>	<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-11 2001-05-02 8 . 0 . 0		<i>remarks - this release:</i>	TSG#11:R98 upgraded to Rel-4 (42.043) so assume we need a Rel-1999 version too!			

G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 02.48</b>	<b>Security mechanisms for the SIM Application Toolkit; Stage 1</b>					
R99	<i>current version:</i> 8.0.0	<i>WG (prime / other):</i>	T3 / S3	<i>rapporteur:</i>	BARNES, Nigel	MOTOROLA Ltd
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>		<i>MCC:</i>	JURISIC, Andrijana	
	<i>history (event, available, version, comments):</i>					
	Upgrade to R99 2000-05-17 8 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> SMG9->T3@#31	
					<i>remarks - this release:</i> .	
<hr/>						
<b>TS 02.53</b>	<b>Tandem Free Operation (TFO); Service description; Stage 1</b>					
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i>	S4 /	<i>rapporteur:</i>	NAVARRO, William	NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	upgrade to R99 2000-11-16 8 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> SMG11->S4 at SMG#30	
	ETSI publication 2001-07-20 8 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i> Nov-00: Created to fill the gap.	
<hr/>						
<b>TS 02.56</b>	<b>GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1</b>					
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	POIRAUD, Patrick	ALCATEL S.A.
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
	Upgrade to R99 2000-05-01 8 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI publication 2000-10-17 8 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i> .	
<hr/>						
<b>TS 02.68</b>	<b>Voice Group Call Service (VGCS); Stage 1</b>					
R99	<i>current version:</i> 8.1.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	CLAYTON, Michael	EMCOM Ltd
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
	smg-31 2000-11-30 8 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	SP-10 2001-01-12 8 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	
<hr/>						
<b>TS 02.69</b>	<b>Voice Broadcast Service (VBS); Stage 1</b>					
R99	<i>current version:</i> 8.1.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	CLAYTON, Michael	EMCOM Ltd
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
	Upgrade to R99 2000-05-10 8 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI publication 2000-10-17 8 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i> . TSG#10:8.1.0	
	SP-10 2001-01-12 8 . 1 . 0			<a href="#">get it</a>		

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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Server location: [http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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**TS 02.76 Noise Suppression for the AMR**  
R99 *current version:* 8.0.1 *WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
smg-29 1999-06-30 8 . 0 . 0 *remarks - general:*  
SP-07 2000-03-17 8 . 0 . 0 *remarks - this release:*  
ETSI publication 2002-07-30 8 . 0 . 1 ETSI publication only - 3GPP use 8.0.0 [get it](#)  
(not for 3GPP [get it](#)  
server)

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**TS 02.95 Support of Private Numbering Plan (SPNP); Service description; Stage 1**  
R99 *current version:* 8.0.0 *WG (prime / other):* S1 / - *rapporteur:* CLAYTON, Michael EMCOM Ltd  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
SP-07 2000-03-17 8 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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R99 03 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

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**TR 03.05 Technical performance objectives**  
R99 *current version:* 8.0.0 *WG (prime / other):* NP / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* BOSWARTHICK, David  
*history (event, available, version, comments):*  
Upgrade to R99 2000-06-30 8 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 03.10 GSM Public Land Mobile Network (PLMN) Connection Types**  
R99 *current version:* 8.3.0 *WG (prime / other):* N3 / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* BOSWARTHICK, David  
*history (event, available, version, comments):*  
smg-29 1999-06-30 8 . 0 . 0 [get it](#) *remarks - general:*  
NP-06 1999-12-17 8 . 1 . 0 [get it](#) *remarks - this release:*  
NP-09 2000-10-18 8 . 2 . 0 [get it](#)  
NP-10 2000-12-21 8 . 3 . 0 [get it](#)

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## TS 03.13 Discontinuous Reception (DRX) in the GSM System

R99 *current version:* 8.0.0  
*freeze\_meeting:* SP-06  
*history (event, available, version, comments):*  
Upgrade to R99 2000-03-29 8 . 0 . 0

*WG (prime / other):* G1 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*G: yes U:* *MCC:* USAI, Paolino

[get it](#) *remarks - general:*  
*remarks - this release:* .

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## TS 03.19 Subscriber Identity Module Application Programming Interface (SIM API) for Java Card

R99 *current version:* 8.5.0  
*freeze\_meeting:* SP-06  
*history (event, available, version, comments):*  
Upgrade to R99 2001-07-27 8 . 0 . 0  
TP-11 2001-07-27 8 . 1 . 0  
TP-12 2001-07-27 8 . 2 . 0  
TP-14 2002-01-17 8 . 3 . 0  
TP-16 2002-06-19 8 . 4 . 0  
editorial post TP-16 2002-08-14 8 . 4 . 1  
TP-17 2002-09-27 8 . 5 . 0

*WG (prime / other):* T3 / - *rapporteur:* DIETRICH, Christian Axalto S.A.  
*G: yes U:* *MCC:* JURISIC, Andrijana

[get it](#) *remarks - general:* SMG9->T3@#31  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 03.20 Security-related Network Functions

R99 *current version:* 8.1.0  
*freeze\_meeting:* SP-06  
*history (event, available, version, comments):*  
smg-30 1999-11-24 8 . 0 . 0  
smg-32 2000-06-20 8 . 1 . 0

*WG (prime / other):* S3 / NP / GP *rapporteur:* NGUYEN NGOC, Sebastien France Telecom  
*G: yes U:* *MCC:* POPE, Maurice

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*

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<b>TS 03.22</b>	<b>Functions related to Mobile Station (MS) in idle mode and group receive mode</b>								
R99	<i>current version:</i> 8.7.0	<i>WG (prime / other):</i>	G1 / N1	<i>rapporteur:</i>	ANDERSEN, Niels Peter	MOTOROLA A/S			
	<i>freeze_meeting:</i> SP-06				Skov				
		<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino				
	<i>history (event, available, version, comments):</i>								
	smg-29 1999-06-30	8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Moved from SMG3 Jan 2000. Moved from G2 Mar 2001. 2001-07: title grows "and				
	smg-30 1999-11-11	8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	group receive mode".				
	smg-30b 1999-12-06	8 . 2 . 0	<a href="#">get it</a>						
	smg-31 2000-02-16	8 . 3 . 0	<a href="#">get it</a>						
	GP-03 2001-02-15	8 . 4 . 0	<a href="#">get it</a>						
	GP-05 2001-06-29	8 . 5 . 0	<a href="#">get it</a>						
	GP-10 2002-07-19	8 . 6 . 0	<a href="#">get it</a>						
	GP-11 2002-09-19	8 . 7 . 0	<a href="#">get it</a>						

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<b>TR 03.26</b>	<b>Multiband operation of GSM/DCS 1800 by a single operator</b>								
R99	<i>current version:</i> 8.0.0	<i>WG (prime / other):</i>	G1 / NP	<i>rapporteur:</i>	ANDERSEN, Niels Peter	MOTOROLA A/S			
	<i>freeze_meeting:</i> SP-06				Skov				
		<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino				
	<i>history (event, available, version, comments):</i>								
	Upgrade to R99 2000-03-29	8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
				<i>remarks - this release:</i>					

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<b>TR 03.30</b>	<b>Radio Network Planning Aspects</b>								
R99	<i>current version:</i> 8.3.0	<i>WG (prime / other):</i>	GP / -	<i>rapporteur:</i>	TEGTH, Ulf	TeliaSonera AB			
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino				
	<i>history (event, available, version, comments):</i>								
	smg-29 1999-06-30	8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
	smg-30 1999-11-11	8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	#29: 8.0.0 #30: 8.1.0 #30b: 8.2.0 #31:8.3.0				
	smg-30b 1999-12-06	8 . 2 . 0	<a href="#">get it</a>						
	smg-31 2000-02-16	8 . 3 . 0	<a href="#">get it</a>						

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<b>TS 03.33</b>	<b>Lawful Interception; Stage 2</b>								
R99	<i>current version:</i> 8.1.0	<i>WG (prime / other):</i>	S3 / -	<i>rapporteur:</i>	MCKIBBEN, Bernie	MOTOROLA GmbH			
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>		<i>MCC:</i>	POPE, Maurice				
	<i>history (event, available, version, comments):</i>								
	Upgrade to R99 2000-06-30	8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
	SP-10 2000-12-21	8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	TSG#10:8.1.0				

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<b>TS 03.45</b>	<b>Technical Realization of Facsimile Group 3 Service - transparent</b>					
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat		
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version, comments):</i>					
	smg-29	1999-06-30	8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI publication	2001-10-30	8 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>	
<hr/>						
<b>TS 03.46</b>	<b>Technical Realization of Facsimile Group 3 Service - non transparent</b>					
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat		
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version, comments):</i>					
	NP-06	1999-12-17	8 . 0 . 0 (source Klehn)	<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI puboication		8 . 0 . 1 ETSI format only. Not for 3GPP use.		<i>remarks - this release:</i>	
<hr/>						
<b>TS 03.48</b>	<b>Security mechanisms for SIM application toolkit; Stage 2</b>					
R99	<i>current version:</i> 8.8.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> BARNES, Nigel	MOTOROLA Ltd		
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>	<i>MCC:</i> JURISIC, Andrijana			
	<i>history (event, available, version, comments):</i>					
	smg-29	1999-06-30	8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> SMG9->T3@#31	
	smg-30	1999-11-11	8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-31	2000-02-16	8 . 2 . 0	<a href="#">get it</a>		
	TP-08	2000-06-28	8 . 3 . 0	<a href="#">get it</a>		
	TP-09	2000-10-18	8 . 4 . 0	<a href="#">get it</a>		
	TP-11	2001-04-09	8 . 5 . 0	<a href="#">get it</a>		
	TP-12	2001-07-06	8 . 6 . 0	<a href="#">get it</a>		
	TP-13	2001-10-12	8 . 7 . 0	<a href="#">get it</a>		
	TP-14	2002-01-17	8 . 8 . 0	<a href="#">get it</a>		
<hr/>						
<b>TS 03.50</b>	<b>Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System</b>					
R99	<i>current version:</i> 8.1.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	Upgrade to R99	2000-03-29	8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI publication	2000-09-22	8 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #32:8.1.0	
	smg-32	2000-06-20	8 . 1 . 0	<a href="#">get it</a>		
	ETSI publication	2000-11-29	8 . 1 . 1	<a href="#">get it</a>		

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<b>TS 03.52</b>	<b>Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2</b>						
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> GIRAUD, Alexis	ALCATEL S.A.			
	<i>freeze_meeting:</i> SP-06	G: yes U:	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version, comments):</i>						
	Upgrade to R99 2000-03-29 8 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication 2000-09-29 8 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>							
<b>TS 03.53</b>	<b>Tandem Free Operation (TFO); Service description; Stage 2</b>						
R99	<i>current version:</i> 8.0.0	<i>WG (prime / other):</i> S4 / NP / S2	<i>rapporteur:</i>	FAUCONNIER, Denis	NORTEL NETWORKS		
(EUROPE)	<i>freeze_meeting:</i> SP-06	G: yes U:	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version, comments):</i>						
	Upgrade to R99 2000-03-30 8 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> Mar00: prime responsibility txfrd to SMG11			
				<i>remarks - this release:</i>			
<hr/>							
<b>TS 03.55</b>	<b>Dual Transfer Mode (DTM); Stage 2</b>						
R99	<i>current version:</i> 8.1.1	<i>WG (prime / other):</i> G1 / G2	<i>rapporteur:</i> CARRIZO MARTINEZ, Jose Luis	VODAFONE Group Plc			
	<i>freeze_meeting:</i> SP-06	G: yes U:	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version, comments):</i>						
	GP-02 2001-01-05 8 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> 2003-10-09: Converted from TR to TS.			
	GP-16 2003-09-12 8 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> GERAN#2: 8.0.0			
	Conversion to TS 2003-10-10 8 . 1 . 1	Illogical to be a TR, and 43.055 is a TS!	<a href="#">get it</a>				
	(was TR)						
<hr/>							
<b>TR 03.58</b>	<b>Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)</b>						
R99	<i>current version:</i> 8.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> MONFORT, Jean-Yves	France Telecom			
	<i>freeze_meeting:</i> SP-06	G: yes U:	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version, comments):</i>						
	Upgrade to R99 2000-03-30 8 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
				<i>remarks - this release:</i>			

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<b>TS 03.64</b>	<b>General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2</b>				
R99	current version: 8.12.0	WG (prime / other): G1 / -	rapporteur: LEPPISAARI, Arto	NOKIA Corporation	
	freeze_meeting: SP-06	G: yes U:	MCC: USAI, Paolino		
history (event, available, version, comments):					
smg-29	1999-06-30	8 . 0 . 0	<a href="#">get it</a>	remarks - general:	
smg-30	1999-11-11	8 . 1 . 0	<a href="#">get it</a>	remarks - this release:	
smg-30b	1999-12-06	8 . 2 . 0	<a href="#">get it</a>		
smg-31	2000-02-16	8 . 3 . 0	<a href="#">get it</a>		
smg-31b	2000-04-17	8 . 4 . 0	<a href="#">get it</a>		
smg-32	2000-06-20	8 . 5 . 0	<a href="#">get it</a>		
GP-01	2000-10-09	8 . 6 . 0	<a href="#">get it</a>		
GP-03	2001-02-15	8 . 7 . 0	<a href="#">get it</a>		
GP-04	2001-04-20	8 . 8 . 0	<a href="#">get it</a>		
GP-07	2002-01-04	8 . 9 . 0	<a href="#">get it</a>		
GP-08	2002-02-19	8 . 10 . 0	<a href="#">get it</a>		
GP-14	2003-04-25	8 . 11 . 0	<a href="#">get it</a>		
GP-19	2004-05-06	8 . 12 . 0	<a href="#">get it</a>		

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<b>TS 03.68</b>	<b>Voice Group Call Service (VGCS); Stage 2</b>				
R99	current version: 8.3.0	WG (prime / other): N1 / -	rapporteur: GARAPATY, Sonia	Nortel Networks (USA)	
	freeze_meeting: SP-06	G: yes U:	MCC: JORGENSEN, Per Johan		
history (event, available, version, comments):					
smg-31	2000-02-16	8 . 0 . 0	<a href="#">get it</a>	remarks - general:	
NP-07	2000-03-17	8 . 1 . 0	<a href="#">get it</a>	remarks - this release:	
smg-32	2000-06-20	8 . 2 . 0	<a href="#">get it</a>		
NP-21	2003-10-10	8 . 3 . 0	<a href="#">get it</a>		

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<b>TS 03.69</b>	<b>Voice Broadcast service (VBS); Stage 2</b>				
R99	current version: 8.3.0	WG (prime / other): N1 / -	rapporteur: MÜNNING, Dirk	DETECON GMBH	
	freeze_meeting: SP-06	G: yes U:	MCC: JORGENSEN, Per Johan		
history (event, available, version, comments):					
smg-31	2000-02-16	8 . 0 . 0	<a href="#">get it</a>	remarks - general:	
NP-07	2000-03-17	8 . 1 . 0	<a href="#">get it</a>	remarks - this release: TSG#7: 8.1.0 #32:8.2.0 TSG#8:8.2.0	
smg-32	2000-06-20	8 . 2 . 0	<a href="#">get it</a>		
NP-21	2003-10-13	8 . 3 . 0	<a href="#">get it</a>		

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## TS 03.71 Location Services (LCS); Functional description; Stage 2

R99 *current version:* 8.8.0 *WG (prime / other):* S2 / - *rapporteur:* BROOK, Richard SAMSUNG Electronics Research Institute  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

Upgrade to R99	2000-06-30	8	.	0	.	0	
SP-11	2001-04-11	8	.	1	.	0	<a href="#">get it</a> <i>remarks - general:</i>
SP-12	2001-06-29	8	.	2	.	0	<a href="#">get it</a> <i>remarks - this release:</i> Need identified at TSG#7, since 23.171 does not cover GSM.
SP-13	2001-10-15	8	.	3	.	0	<a href="#">get it</a>
SP-14	2002-01-07	8	.	4	.	0	<a href="#">get it</a>
SP-15	2002-04-02	8	.	5	.	0	<a href="#">get it</a>
SP-16	2002-06-17	8	.	6	.	0	<a href="#">get it</a>
SP-17	2002-09-24	8	.	7	.	0	<a href="#">get it</a>
SP-23	2004-04-01	8	.	8	.	0	<a href="#">get it</a>

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## TS 03.73 Support of Localised Service Area (SoLSA); Stage 2

R99 *current version:* 8.0.0 *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*freeze\_meeting:* SP-16 *G: yes U:* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

SP-16	2002-06-24	8	.	0	.	0	technically identical to 23.073 v3.0.1 <a href="#">get it</a> <i>remarks - general:</i> 2001-10-11: S2->N4 to align with ownership of 23.073. <i>remarks - this release:</i> SP-16: 23.073 reverts to GERAN-only.
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R99 04 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

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## TS 04.01 Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles

R99 *current version:* 8.0.0 *WG (prime / other):* N1 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*

smg-31	2000-02-16	8	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i> #31: 8.0.0
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<b>TS 04.03</b>	<b>Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities</b>								
R99	<i>current version:</i> 8.0.2	<i>WG (prime / other):</i>	G2 / -	<i>rapporteur:</i>	ANDERSEN, Niels Peter	MOTOROLA A/S			
	<i>freeze_meeting:</i> SP-06				Skov				
		<i>G: yes</i>	<i>U:</i>	<i>MCC:</i>	THOMASEN, Gert				
	<i>history (event, available, version, comments):</i>								
	smg-30 1999-11-11	8	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI publication 2001-09-07	8	.	0	.	1	<a href="#">get it</a>	<i>remarks - this release:</i>	
	edito 2002-06-17	8	.	0	.	2	<a href="#">get it</a>		
<hr/>									
<b>TS 04.04</b>	<b>Layer 1 - General Requirements</b>								
R99	<i>current version:</i> 8.1.2	<i>WG (prime / other):</i>	G2 / -	<i>rapporteur:</i>	ISAACS, Ken	SIEMENS AG			
	<i>freeze_meeting:</i> SP-06				THOMASEN, Gert				
		<i>G: yes</i>	<i>U:</i>	<i>MCC:</i>					
	<i>history (event, available, version, comments):</i>								
	smg-30 1999-11-11	8	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-30b 1999-12-06	8	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	ETSI publication 2001-09-07	8	.	1	.	1	<a href="#">get it</a>		
	edito 2002-06-17	8	.	1	.	2	<a href="#">get it</a>		
<hr/>									
<b>TS 04.05</b>	<b>Data Link (DL) Layer General Aspects</b>								
R99	<i>current version:</i> 8.0.2	<i>WG (prime / other):</i>	G2 / -	<i>rapporteur:</i>	ANDERSEN, Niels Peter	MOTOROLA A/S			
	<i>freeze_meeting:</i> SP-06				Skov				
		<i>G: yes</i>	<i>U:</i>	<i>MCC:</i>	THOMASEN, Gert				
	<i>history (event, available, version, comments):</i>								
	Upgrade to R99 2000-03-30	8	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI publication 2000-09-22	8	.	0	.	1	<a href="#">get it</a>	<i>remarks - this release:</i>	
	edito 2002-06-17	8	.	0	.	2	<a href="#">get it</a>		
<hr/>									
<b>TS 04.06</b>	<b>Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification</b>								
R99	<i>current version:</i> 8.2.1	<i>WG (prime / other):</i>	G2 / -	<i>rapporteur:</i>	ANDERSEN, Niels Peter	MOTOROLA A/S			
	<i>freeze_meeting:</i> SP-06				Skov				
		<i>G: yes</i>	<i>U:</i>	<i>MCC:</i>	THOMASEN, Gert				
	<i>history (event, available, version, comments):</i>								
	Upgrade to R99 2000-03-30	8	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI publication 2000-09-29	8	.	0	.	1	<a href="#">get it</a>	<i>remarks - this release:</i>	
	GP-03 2001-01-31	8	.	1	.	0	<a href="#">get it</a>		
	edito 2001-01-31	8	.	1	.	1	<a href="#">get it</a>		
	GP-08 2002-02-19	8	.	2	.	0	<a href="#">get it</a>		
	edito 2002-06-17	8	.	2	.	1	<a href="#">get it</a>		

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<b>TS 04.08</b>	<b>Mobile radio interface layer 3 specification</b>								
R99	current version: 8.0.0	WG (prime / other):	N1 / G2	rapporteur:	HOWELL, Andrew	MOTOROLA Ltd			
	freeze_meeting: SP-06	G: yes U:		MCC:	JORGENSEN, Per Johan				
	history (event, available, version, comments):								
	smg-29 2000-06-30 8 . 0 . 0			<a href="#">get it</a>	remarks - general:	04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert Thomasen			
					remarks - this release:	#29: 8.0.0 but this should not have been created! (24.008 instead). NP-13: 04.09 R99			
						(even numbered CRs!)			
						reinstated until all references corrected (= never!). 2002-02-18: To be withdrawn at NP-15!			
<hr/>									
<b>TS 04.12</b>	<b>Short Message Service Cell Broadcast (SMS-CB) Support on the Mobile Radio Interface</b>								
R99	current version: 8.0.0	WG (prime / other):	G2 / T2	rapporteur:	ANDERSEN, Niels Peter	MOTOROLA A/S			
	freeze_meeting: GP-04	G: yes U:		MCC:	Skov				
	history (event, available, version, comments):				THOMASEN, Gert				
	GP-04 2001-04-24 8 . 0 . 0			<a href="#">get it</a>	remarks - general:				
					remarks - this release:	Replaces 24.012 R99.			
<hr/>									
<b>TS 04.13</b>	<b>Performance Requirements on Mobile Radio Interface</b>								
R99	current version: 8.0.1	WG (prime / other):	N1 / -	rapporteur:	DAWES, Peter	VODAFONE LTD			
	freeze_meeting: SP-06	G: yes U:		MCC:	JORGENSEN, Per Johan				
	history (event, available, version, comments):								
	smg-31 2000-02-16 8 . 0 . 0			<a href="#">get it</a>	remarks - general:				
	ETSI publication 2000-08-29 8 . 0 . 1			<a href="#">get it</a>	remarks - this release:	#31: 8.0.0			
<hr/>									
<b>TS 04.14</b>	<b>Individual equipment type requirements and interworking; Special conformance testing functions</b>								
R99	current version: 8.5.0	WG (prime / other):	G2 / -	rapporteur:	HOWELL, Andrew	MOTOROLA Ltd			
	freeze_meeting: SP-06	G: yes U:		MCC:	THOMASEN, Gert				
	history (event, available, version, comments):								
	Upgrade to R99 2000-03-30 8 . 0 . 0			<a href="#">get it</a>	remarks - general:				
	smg-32 2000-06-20 8 . 1 . 0			<a href="#">get it</a>	remarks - this release:				
	GP-04 2001-04-24 8 . 2 . 0			<a href="#">get it</a>					
	GP-05 2001-06-18 8 . 3 . 0			<a href="#">get it</a>					
	GP-10 2002-07-19 8 . 4 . 0			<a href="#">get it</a>					
	GP-15 2003-07-10 8 . 5 . 0			<a href="#">get it</a>					

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## TS 04.18 Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol

R99 *current version:* 8.22.0 *WG (prime / other):* G2 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*

smg-29	1999-06-30	8	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-30	1999-11-11	8	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
smg-30b	1999-12-06	8	.	2	.	0	<a href="#">get it</a>
smg-31	2000-02-16	8	.	3	.	0	<a href="#">get it</a>
ETSI publication	2000-10-05	8	.	3	.	1	<a href="#">get it</a>
smg-31b	2000-04-17	8	.	4	.	0	<a href="#">get it</a>
ETSI publication	2000-10-17	8	.	4	.	1	<a href="#">get it</a>
smg-32	2000-06-20	8	.	5	.	0	<a href="#">get it</a>
GP-01	2000-10-11	8	.	6	.	0	<a href="#">get it</a>
GP-02	2000-12-21	8	.	7	.	0	<a href="#">get it</a>
GP-03	2001-01-31	8	.	8	.	0	<a href="#">get it</a>
GP-04	2001-05-04	8	.	9	.	0	<a href="#">get it</a>
GP-05	2001-06-18	8	.	10	.	0	<a href="#">get it</a>
GP-06	2001-09-10	8	.	11	.	0	<a href="#">get it</a>
GP-07	2002-01-08	8	.	12	.	0	<a href="#">get it</a>
GP-08	2002-02-19	8	.	13	.	0	<a href="#">get it</a>
GP-09	2002-05-02	8	.	14	.	0	<a href="#">get it</a>
GP-10	2002-07-19	8	.	15	.	0	<a href="#">get it</a>
GP-11	2002-09-16	8	.	16	.	0	<a href="#">get it</a>
GP-12	2002-12-17	8	.	17	.	0	<a href="#">get it</a>
GP-13	2003-02-21	8	.	18	.	0	<a href="#">get it</a>
GP-15	2003-07-10	8	.	19	.	0	<a href="#">get it</a>
GP-17	2003-12-05	8	.	20	.	0	<a href="#">get it</a>
GP-18	2004-02-23	8	.	21	.	0	<a href="#">get it</a>
GP-19	2004-05-06	8	.	22	.	0	<a href="#">get it</a>

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## TS 04.21 Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface

R99 *current version:* 8.3.0 *WG (prime / other):* N3 / - *rapporteur:* RÄSÄNEN, Juha NOKIA Corporation  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* BOSWARTHICK, David

*history (event, available, version, comments):*

smg-29	1999-06-30	8	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
NP-08	2000-06-28	8	.	1	.	0	<a href="#">get it</a> <i>remarks - this release: #29: 8.0.0 TSG#8:8.1.0 TSG#9:8.2.0 TSG#10:8.3.0</i>
NP-09	2000-10-18	8	.	2	.	0	<a href="#">get it</a>
NP-10	2000-12-21	8	.	3	.	0	<a href="#">get it</a>

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<b>TS 04.31</b>	<b>Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)</b>				
R99	<i>current version:</i> 8.13.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)	
	<i>freeze_meeting:</i> SP-06	G: yes U:	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version, comments):</i>				
	Upgrade to R99	2000-03-30	8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
	smg-31b	2000-04-17	8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
	GP-02	2000-11-30	8 . 2 . 0	<a href="#">get it</a>	
	GP-03	2001-01-31	8 . 3 . 0	<a href="#">get it</a>	
	GP-04	2001-05-04	8 . 4 . 0	<a href="#">get it</a>	
	GP-05	2001-06-18	8 . 5 . 0	<a href="#">get it</a>	
	GP-06	2001-09-14	8 . 6 . 0	<a href="#">get it</a>	
	GP-07	2002-01-08	8 . 7 . 0	<a href="#">get it</a>	
	GP-08	2002-02-19	8 . 8 . 0	<a href="#">get it</a>	
	GP-09	2002-05-02	8 . 9 . 0	<a href="#">get it</a>	
	GP-10	2002-07-19	8 . 10 . 0	<a href="#">get it</a>	
	GP-16	2003-09-12	8 . 11 . 0	<a href="#">get it</a>	
	GP-18	2004-02-23	8 . 12 . 0	<a href="#">get it</a>	
	GP-19	2004-05-06	8 . 13 . 0	<a href="#">get it</a>	

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<b>TS 04.35</b>	<b>Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods</b>				
R99	<i>current version:</i> 8.4.1	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)	
	<i>freeze_meeting:</i> SP-06	G: yes U:	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version, comments):</i>				
	Upgrade to R99	2000-03-30	8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
	smg-31b	2000-04-17	8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
	GP-01	2000-10-11	8 . 2 . 0	<a href="#">get it</a>	
	GP-03	2001-01-31	8 . 3 . 0	<a href="#">get it</a>	
	GP-07	2002-01-08	8 . 4 . 0	<a href="#">get it</a>	
	edito	2002-06-17	8 . 4 . 1	<a href="#">get it</a>	

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<b>TS 04.56</b>	<b>GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification</b>				
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> HUPPERICH, Peter	ALCATEL S.A.	
	<i>freeze_meeting:</i> SP-06	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>				
	smg-31	2000-02-16	8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
	ETSI publication	2000-08-29	8 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #31: 8.0.0

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 04.57</b>	<b>GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification</b>
R99	<i>current version:</i> 8.0.1
	<i>freeze_meeting:</i> SP-06
	<i>history (event, available, version, comments):</i>
	smg-31 2000-02-16 8 . 0 . 0
	ETSI publication 2000-08-29 8 . 0 . 1

*WG (prime / other):* N1 / - *rapporteur:* HUPPERICH, Peter ALCATEL S.A.  
*G:* yes *U:* *MCC:* JORGENSEN, Per Johan

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #31: 8.0.0

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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**TS 04.60 General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol**

R99 *current version:* 8.23.0 *WG (prime / other):* G2 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*

smg-29	1999-06-30	8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-30	1999-11-11	8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
smg-30b	1999-12-06	8 . 2 . 0	<a href="#">get it</a>	
smg-31	2000-02-16	8 . 3 . 0	<a href="#">get it</a>	
ETSI publication	2000-10-05	8 . 3 . 1	<a href="#">get it</a>	
smg-31b	2000-04-17	8 . 4 . 0	<a href="#">get it</a>	
ETSI publication	2000-10-17	8 . 4 . 1	<a href="#">get it</a>	
smg-32	2000-06-20	8 . 5 . 0	<a href="#">get it</a>	
GP-01	2000-10-11	8 . 6 . 0	<a href="#">get it</a>	
GP-02	2000-11-27	8 . 7 . 0	<a href="#">get it</a>	
GP-03	2001-01-31	8 . 8 . 0	<a href="#">get it</a>	
GP-04	2001-05-04	8 . 9 . 0	<a href="#">get it</a>	
GP-05	2001-06-29	8 . 10 . 0	<a href="#">get it</a>	
GP-06	2001-09-14	8 . 11 . 0	<a href="#">get it</a>	
GP-07	2002-01-07	8 . 12 . 0	<a href="#">get it</a>	
edito	2002-01-08	8 . 12 . 1	<a href="#">get it</a>	
GP-08	2002-02-19	8 . 13 . 0	<a href="#">get it</a>	
GP-09	2002-05-03	8 . 14 . 0	<a href="#">get it</a>	
edito post	GP-09	2002-05-28	8 . 14 . 1	<a href="#">get it</a>
GP-10	2002-07-19	8 . 15 . 0	<a href="#">get it</a>	
GP-11	2002-09-16	8 . 16 . 0	<a href="#">get it</a>	
GP-12	2002-12-17	8 . 17 . 0	<a href="#">get it</a>	
GP-14	2003-04-25	8 . 18 . 0	<a href="#">get it</a>	
GP-15	2003-07-10	8 . 19 . 0	<a href="#">get it</a>	
GP-16	2003-09-13	8 . 20 . 0	<a href="#">get it</a>	
GP-17	2003-12-05	8 . 21 . 0	<a href="#">get it</a>	
GP-18	2004-02-23	8 . 22 . 0	<a href="#">get it</a>	
GP-19	2004-05-06	8 . 23 . 0	<a href="#">get it</a>	

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<b>TS 04.64</b>	<b>General Packet Radio Service (GPRS); Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) layer specification</b>				
R99	<i>current version:</i> 8.7.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> DOIG, Ian	MOTOROLA S.A.S	
	<i>freeze_meeting:</i> SP-06	G: yes U:	MCC:	JORGENSEN, Per Johan	
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-30 8 . 0 . 0		<a href="#">get it</a>	remarks - general:	
	smg-30 1999-11-11 8 . 1 . 0		<a href="#">get it</a>	remarks - this release:	
	Post SP-06 1999-12-17 8 . 2 . 0		<a href="#">get it</a>		
	smg-31 2000-02-16 8 . 3 . 0		<a href="#">get it</a>		
	NP-08 2000-06-22 8 . 4 . 0		<a href="#">get it</a>		
	NP-09 2000-10-12 8 . 5 . 0		<a href="#">get it</a>		
	NP-10 2001-01-02 8 . 6 . 0		<a href="#">get it</a>		
	NP-14 2002-01-04 8 . 7 . 0		<a href="#">get it</a>		

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<b>TS 04.65</b>	<b>General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)</b>				
R99	<i>current version:</i> 8.2.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> DOIG, Ian	MOTOROLA S.A.S	
	<i>freeze_meeting:</i> SP-06	G: yes U:	MCC:	JORGENSEN, Per Johan	
	<i>history (event, available, version, comments):</i>				
	smg-31 2000-02-16 8 . 0 . 0		<a href="#">get it</a>	remarks - general:	24.065 existed, but scrapped since 04.65 is GSM only.
	NP-09 2000-10-12 8 . 1 . 0		<a href="#">get it</a>	remarks - this release:	
	NP-13 2001-10-02 8 . 2 . 0		<a href="#">get it</a>		

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<b>TS 04.68</b>	<b>Group Call Control (GCC) Protocol</b>				
R99	<i>current version:</i> 8.1.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)	
	<i>freeze_meeting:</i> SP-06	G: yes U:	MCC:	JORGENSEN, Per Johan	
	<i>history (event, available, version, comments):</i>				
	smg-31 2000-02-16 8 . 0 . 0		<a href="#">get it</a>	remarks - general:	
	NP-07 2000-03-17 8 . 1 . 0		<a href="#">get it</a>	remarks - this release:	

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<b>TS 04.69</b>	<b>Broadcast Call Control (BCC) protocol</b>				
R99	<i>current version:</i> 8.1.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)	
	<i>freeze_meeting:</i> SP-06	G: yes U:	MCC:	JORGENSEN, Per Johan	
	<i>history (event, available, version, comments):</i>				
	smg-31 2000-02-16 8 . 0 . 0		<a href="#">get it</a>	remarks - general:	
	NP-07 2000-03-17 8 . 1 . 0		<a href="#">get it</a>	remarks - this release:	

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## TS 04.71 Location Services (LCS); Mobile radio interface layer 3 specification

R99 *current version:* 8.4.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* SP-06

*G:* yes *U:* *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*

Upgrade to R99	2000-06-30	8	.	0	.	0
smg-31	2000-03-20	8	.	1	.	0
GP-05	2001-06-18	8	.	2	.	0
GP-07	2002-01-08	8	.	3	.	0
edito	2002-06-17	8	.	3	.	1
GP-10	2002-07-19	8	.	4	.	0

[get it](#) *remarks - general:* Was SMG2 till TSG#6; MCC expt changed from AI Bakri Jan 2000.

[get it](#) *remarks - this release:*

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## TS 05.01 Physical Layer on the Radio Path (General Description)

R99 *current version:* 8.8.0 *WG (prime / other):* G1 / - *rapporteur:* JOKINEN, Harri NOKIA MOBILE PHONES  
*freeze\_meeting:* SP-06

*G:* yes *U:* *MCC:* USAI, Paolino

*history (event, available, version, comments):*

smg-29	1999-06-30	8	.	0	.	0
smg-30	1999-11-11	8	.	1	.	0
smg-30b	1999-12-06	8	.	2	.	0
smg-31	2000-02-16	8	.	3	.	0
smg-32	2000-06-20	8	.	4	.	0
GP-01	2000-10-09	8	.	5	.	0
GP-07	2002-01-04	8	.	6	.	0
GP-14	2003-04-25	8	.	7	.	0
GP-17	2003-12-05	8	.	8	.	0

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:*

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 05.02 Multiplexing and Multiple Access on the Radio Path

R99 *current version:* 8.11.0

*freeze\_meeting:* SP-06

*WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist NOKIA Corporation

*G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version, comments):*

smg-29	1999-06-30	8	.	0	.	1
smg-30	1999-11-11	8	.	1	.	0
smg-30b	1999-12-06	8	.	2	.	0
smg-31	2000-02-16	8	.	3	.	0
smg-31b	2000-04-17	8	.	4	.	0
ETSI publication	2000-10-24	8	.	4	.	1
smg-32	2000-06-20	8	.	5	.	0
ETSI publication	2003-08-22	8	.	5	.	1
GP-01	2000-10-09	8	.	6	.	0
GP-02	2000-11-24	8	.	7	.	0
GP-03	2001-02-15	8	.	8	.	0
GP-04	2001-04-20	8	.	9	.	0
GP-06	2001-10-01	8	.	10	.	0
GP-15	2003-07-11	8	.	11	.	0

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:*

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## TS 05.03 Channel coding

R99 *current version:* 8.7.0

*freeze\_meeting:* SP-06

*WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist NOKIA Corporation

*G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version, comments):*

smg-29	1999-06-30	8	.	0	.	0
smg-30	1999-11-11	8	.	1	.	0
smg-30b	1999-12-06	8	.	2	.	0
smg-31	2000-02-16	8	.	3	.	0
smg-31b	2000-04-17	8	.	4	.	0
ETSI publication	2000-10-17	8	.	4	.	1
smg-32	2000-06-20	8	.	5	.	0
ETSI publication	2003-08-22	8	.	5	.	1
GP-02	2000-11-24	8	.	6	.	0
edito	2001-02-15	8	.	6	.	1
GP-14	2003-04-25	8	.	7	.	0

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:* #29: 8.0.0 #30: 8.1.0 #30b: 8.2.0 #31:8.3.0 #31b:8.3.0 #32:8.5.0 GERAN#2:8.6.0

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## TS 05.04 Modulation

R99 *current version:* 8.4.0

*freeze\_meeting:* SP-06

*WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist

NOKIA Corporation

G: yes U: *MCC:* USAI, Paolino

*history (event, available, version, comments):*

smg-28	1999-02-12	8	.	0	.	0
smg-30b	1999-12-06	8	.	1	.	0
edito	2000-12-02	8	.	1	.	1
ETSI publication	2001-02-21	8	.	1	.	2
GP-03	2001-02-15	8	.	2	.	0
GP-05	2001-06-29	8	.	3	.	0
GP-07	2002-01-04	8	.	4	.	0

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:*

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## TS 05.05 Radio Transmission and Reception

R99 *current version:* 8.16.0

*freeze\_meeting:* SP-06

*WG (prime / other):* G1 / - *rapporteur:* SAMUELSSON, Mats

Telefon AB LM Ericsson

G: yes U: *MCC:* USAI, Paolino

*history (event, available, version, comments):*

smg-29	1999-06-30	8	.	0	.	0
smg-30	1999-11-11	8	.	1	.	0
smg-30b	1999-12-06	8	.	2	.	0
smg-31	2000-02-16	8	.	3	.	0
ETSI publication	2000-09-29	8	.	3	.	1
smg-31b	2000-04-17	8	.	4	.	0
ETSI publication	2003-08-22	8	.	4	.	1
smg-32	2000-06-20	8	.	5	.	0
ETSI publication	2003-08-22	8	.	5	.	1
GP-01	2000-10-10	8	.	6	.	0
GP-02	2000-11-24	8	.	7	.	0
edito	2000-11-30	8	.	7	.	1
GP-03	2001-02-15	8	.	8	.	0
GP-04	2001-04-20	8	.	9	.	0
GP-05	2001-06-29	8	.	10	.	0
GP-06	2001-10-01	8	.	11	.	0
GP-09	2002-05-06	8	.	12	.	0
GP-10	2002-07-19	8	.	13	.	0
GP-11	2002-09-19	8	.	14	.	0
GP-14	2003-04-25	8	.	15	.	0
GP-16	2003-09-12	8	.	16	.	0

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:*

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## TS 05.08 Radio Subsystem Link Control

R99 *current version:* 8.19.0

*freeze\_meeting:* SP-06

*WG (prime / other):* G1 / - *rapporteur:* EL-SAIGH, Amer VODAFONE Group Plc

G: yes U: *MCC:* USAI, Paolino

*history (event, available, version, comments):*

smg-29	1999-06-30	8	.	0	.	0
smg-30	1999-11-11	8	.	1	.	0
smg-30b	1999-12-06	8	.	2	.	0
smg-31	2000-02-16	8	.	3	.	0
smg-31b	2000-04-17	8	.	4	.	0
smg-32	2000-06-20	8	.	5	.	0
GP-01	2000-10-10	8	.	6	.	0
GP-02	2000-11-24	8	.	7	.	0
edito	2000-11-30	8	.	7	.	1
GP-03	2001-02-15	8	.	8	.	0
GP-04	2001-04-20	8	.	9	.	0
GP-05	2001-06-29	8	.	10	.	0
GP-06	2001-10-01	8	.	11	.	0
GP-07	2002-01-04	8	.	12	.	0
GP-08	2002-02-19	8	.	13	.	0
GP-09	2002-05-06	8	.	14	.	0
GP-10	2002-07-19	8	.	15	.	0
GP-14	2003-04-25	8	.	16	.	0
GP-15	2003-07-11	8	.	17	.	0
GP-16	2003-09-12	8	.	18	.	0
GP-17	2003-12-05	8	.	19	.	0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*

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## TS 05.09 Link adaptation

R99 *current version:* 8.5.0

*freeze\_meeting:* SP-06

*WG (prime / other):* G1 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S

G: yes U: *MCC:* USAI, Paolino

*history (event, available, version, comments):*

smg-31	2000-02-16	8	.	0	.	0
ETSI publication	2000-10-05	8	.	0	.	1
smg-32	2000-06-20	8	.	1	.	0
GP-02	2000-11-24	8	.	2	.	0
GP-03	2001-01-15	8	.	3	.	0
GP-06	2001-10-01	8	.	4	.	0
GP-07	2002-01-04	8	.	5	.	0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*

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<b>TS 05.10</b>	<b>Radio subsystem synchronization</b>					
R99	<i>current version:</i> 8.12.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> JOKINEN, Harri	NOKIA MOBILE PHONES		
	<i>freeze_meeting:</i> SP-06	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-30 1999-11-11 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-30b 1999-12-06 8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-31 1999-02-16 8 . 2 . 0	<a href="#">get it</a>				
	ETSI publication 2000-09-29 8 . 2 . 1	<a href="#">get it</a>				
	smg-31b 2000-04-17 8 . 3 . 0	<a href="#">get it</a>				
	smg-32 2000-06-20 8 . 4 . 0	<a href="#">get it</a>				
	GP-01 2000-10-10 8 . 5 . 0	<a href="#">get it</a>				
	GP-02 2000-11-24 8 . 6 . 0	<a href="#">get it</a>				
	edito 2000-11-30 8 . 6 . 1	<a href="#">get it</a>				
	GP-03 2001-02-15 8 . 7 . 0	<a href="#">get it</a>				
	GP-04 2001-04-20 8 . 8 . 0	<a href="#">get it</a>				
	GP-08 2002-02-19 8 . 9 . 0	<a href="#">get it</a>				
	GP-10 2002-07-19 8 . 10 . 0	<a href="#">get it</a>				
	GP-13 2003-02-21 8 . 11 . 0	<a href="#">get it</a>				
	GP-16 2003-09-12 8 . 12 . 0	<a href="#">get it</a>				
<hr/>						
<b>TR 05.22</b>	<b>Radio link management in hierarchical networks</b>					
R99	<i>current version:</i> 8.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> VAN BUSSEL, Han	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> SP-06	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	Upgrade to R99 2000-03-30 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			
<hr/>						
<b>TR 05.50</b>	<b>Background for RF Requirements</b>					
R99	<i>current version:</i> 8.2.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov	MOTOROLA A/S		
	<i>freeze_meeting:</i> SP-06	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-30 1999-11-11 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-31 2000-02-16 8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #30: 8.0.0 #31:8.1.0 #31b:8.2.0			
	smg-31b 2000-04-17 8 . 2 . 0	<a href="#">get it</a>				

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**TS 05.56 GSM Cordless Telephony System (CTS), Phase 1; CTS-Fixed Part (FP) radio subsystem**  
R99 *current version:* 8.0.1 *WG (prime / other):* G1 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
smg-31 2000-02-16 8 . 0 . 0 [get it](#) *remarks - general:*  
ETSI Publication 2000-10-17 8 . 0 . 1 [get it](#) *remarks - this release:* .

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R99 **06** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/06\\_series](http://www.3gpp.org/ftp/Specs/archive/06_series)

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**TS 06.01 Full Rate Speech Processing Functions**  
R99 *current version:* 8.0.1 *WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
smg-31 2000-02-16 8 . 0 . 0 [get it](#) *remarks - general:*  
ETSI Publication 2000-11-15 8 . 0 . 1 [get it](#) *remarks - this release:* .

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**TS 06.02 Half Rate Speech Processing Functions**  
R99 *current version:* 8.0.0 *WG (prime / other):* S4 / - *rapporteur:* AFTELAK, Steve MOTOROLA Ltd  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
smg-31 2000-02-16 8 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 06.06 Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec**  
R99 *current version:* 8.0.1 *WG (prime / other):* S4 / - *rapporteur:* AFTELAK, Steve MOTOROLA Ltd  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
smg-31 2000-02-16 8 . 0 . 0 [get it](#) *remarks - general:*  
ETSI Publication 2000-11-15 8 . 0 . 1 [get it](#) *remarks - this release:* .

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<b>TS 06.07</b>	<b>Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec</b>						
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	AFTELAK, Steve	MOTOROLA Ltd	
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	smg-31 2000-02-16 8 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 2000-11-15 8 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i>		
<b>TR 06.08</b>	<b>Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec</b>						
R99	<i>current version:</i> 8.0.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	SALEM, Tarek	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	smg-31 2000-02-16 8 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
					<i>remarks - this release:</i>		
<b>TS 06.10</b>	<b>Full Rate Speech Transcoding</b>						
R99	<i>current version:</i> 8.2.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	LORENZ, Dietmar	PHILIPS Semiconductors	
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	smg-31 2000-02-16 8 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	Editorial 2000-05-31 8 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-32 2000-06-20 8 . 1 . 0			<a href="#">get it</a>			
	ETSI Publication 2000-11-30 8 . 1 . 1			<a href="#">get it</a>			
	SP-12 2001-06-29 8 . 2 . 0			<a href="#">get it</a>			
<b>TS 06.11</b>	<b>Substitution and Muting of Lost Frames for Full Rate Speech Channels</b>						
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	NAVARRO, William	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	smg-31 2000-02-16 8 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 2000-11-15 8 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i>		
<b>TS 06.12</b>	<b>Comfort Noise Aspects for Full Rate Speech Traffic Channels</b>						
R99	<i>current version:</i> 8.1.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	SERENO, Daniele	TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	smg-31 2000-02-16 8 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 2000-11-15 8 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-12 2001-06-29 8 . 1 . 0			<a href="#">get it</a>			

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<b>TS 06.20</b>	<b>Half Rate Speech Transcoding</b>					
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i> SP-06	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-31 2000-02-16 8 . 0 . 0		<a href="#">get it</a> <i>remarks - general:</i>			
	ETSI Publication 2000-11-15 8 . 0 . 1		<a href="#">get it</a> <i>remarks - this release:</i> .			
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<b>TS 06.21</b>	<b>Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels</b>					
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i> SP-06	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-31 2000-02-16 8 . 0 . 0		<a href="#">get it</a> <i>remarks - general:</i>			
	ETSI publicatoin 2000-11-15 8 . 0 . 1		<a href="#">get it</a> <i>remarks - this release:</i> .			
<hr/>						
<b>TS 06.22</b>	<b>Comfort Noise Aspects for Half Rate Speech Traffic Channels</b>					
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i> SP-06	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-31 2000-02-16 8 . 0 . 0		<a href="#">get it</a> <i>remarks - general:</i>			
	ETSI Publication 2000-11-15 8 . 0 . 1		<a href="#">get it</a> <i>remarks - this release:</i> .			
<hr/>						
<b>TS 06.31</b>	<b>Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels</b>					
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> SP-06	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-31 2000-02-16 8 . 0 . 0		<a href="#">get it</a> <i>remarks - general:</i>			
	ETSI Publication 2000-11-15 8 . 0 . 1		<a href="#">get it</a> <i>remarks - this release:</i> .			
<hr/>						
<b>TS 06.32</b>	<b>Voice Activity Detection (VAD)</b>					
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> BARRETT, Paul	Indicate persons who left Company and wait for new One		
	<i>freeze_meeting:</i> SP-06	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-31 2000-02-16 8 . 0 . 0		<a href="#">get it</a> <i>remarks - general:</i>			
	ETSI Publication 2000-11-15 8 . 0 . 1		<a href="#">get it</a> <i>remarks - this release:</i> .			

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<b>TS 06.41</b>	<b>Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels</b>						
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino			TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version, comments):</i>						
	smg-31 2000-02-16 8 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 2000-11-15 8 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i> .		
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<b>TS 06.42</b>	<b>Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels</b>						
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> BARRETT, Paul			Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version, comments):</i>						
	smg-31 2000-02-16 8 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 2000-11-15 8 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i> .		
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<b>TS 06.51</b>	<b>GSM Enhanced full rate speech processing functions: General description</b>						
R99	<i>current version:</i> 8.2.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari			NOKIA Corporation	
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version, comments):</i>						
	smg-31 2000-02-16 8 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI publication 2000-11-15 8 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i> #32:8.1.0 TSG#10:8.2.0		
	smg-32 2000-06-20 8 . 1 . 0			<a href="#">get it</a>			
	ETSI publication 2000-11-30 8 . 1 . 1			<a href="#">get it</a>			
	SP-10 2000-12-20 8 . 2 . 0			<a href="#">get it</a>			
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<b>TS 06.53</b>	<b>ANSI-C code for the GSM Enhanced Full Rate (EFR) speech codec</b>						
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari			NOKIA Corporation	
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version, comments):</i>						
	smg-31 2000-02-16 8 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 2000-11-15 8 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i> .		

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<b>TS 06.54</b>	<b>Test sequences for the GSM Enhanced Full Rate (EFR)</b>					
R99	<i>current version:</i> 8.2.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-06	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-31 2000-02-16 8 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI publication 2000-11-15 8 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-32 2000-06-20 8 . 1 . 0		<a href="#">get it</a>			
	SP-10 2000-12-20 8 . 2 . 0		<a href="#">get it</a>			
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<b>TR 06.55</b>	<b>Performance characterisation of the GSM EFR Speech Codec</b>					
R99	<i>current version:</i> 8.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SALEM, Tarek	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> SP-06	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-31 2000-02-16 8 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i> .		
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<b>TS 06.60</b>	<b>Enhanced full rate speech transcoding</b>					
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-06	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
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	ETSI Publication 2000-11-15 8 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> .		
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<b>TS 06.61</b>	<b>Substitution and muting of lost frames for enhanced full rate speech traffic channels</b>					
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-06	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-31 2000-02-16 8 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 2000-11-15 8 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> .		
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<b>TS 06.62</b>	<b>Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels</b>					
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-06	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-31 2000-02-16 8 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 2000-11-15 8 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> .		

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<b>TR 06.76</b>	<b>Adaptive Multi-Rate (AMR) speech codec; Study phase report</b>					
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> SP-06	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-07 2000-03-17	8 . 0 . 0			<i>remarks - general:</i> New at SMG#31. Then became 06.77; new 06.76 has new title.	
	fix invisible figures 2002-01-10	8 . 0 . 1			<i>remarks - this release:</i>	
			<a href="#">get it</a>			
			<a href="#">get it</a>			
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<b>TS 06.77</b>	<b>Minimum Performance Requirements for Noise Suppressor Application to the AMR Speech Encoder</b>					
R99	<i>current version:</i> 8.1.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> SP-06	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-32 2000-06-20	8 . 0 . 0			<i>remarks - general:</i>	
	SP-11 2001-04-10	8 . 1 . 0			<i>remarks - this release:</i> #32:8.0.0 TSG#11:8.1.0	
	edito 2001-05-03	8 . 1 . 1				
			<a href="#">get it</a>			
			<a href="#">get it</a>			
			<a href="#">get it</a>			
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<b>TR 06.78</b>	<b>Results of the AMR noise suppression selection phase</b>					
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> SP-06	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-32 2000-06-20	8 . 0 . 0			<i>remarks - general:</i>	
	Addition of VAF C- Code tool 2003-04-04	8 . 0 . 1			<i>remarks - this release:</i>	
			<a href="#">get it</a>			
			<a href="#">get it</a>			
<hr/>						
<b>TS 06.81</b>	<b>Discontinuous Transmission (DTX) for enhanced full rate speech traffic channels</b>					
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-06	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-31 2000-02-16	8 . 0 . 0			<i>remarks - general:</i>	
	ETSI Publication 2000-11-15	8 . 0 . 1			<i>remarks - this release:</i> .	
			<a href="#">get it</a>			
			<a href="#">get it</a>			
<hr/>						
<b>TS 06.82</b>	<b>Voice Activity Detection (VAD) for enhanced full rate speech traffic channels</b>					
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-06	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-31 2000-02-16	8 . 0 . 0			<i>remarks - general:</i>	
	ETSI Publication 2000-11-15	8 . 0 . 1			<i>remarks - this release:</i> .	
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**TR 06.85 Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation**  
R99 *current version:* 8.0.0 *WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
smg-31 2000-02-16 8 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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R99 **08** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/08\\_series](http://www.3gpp.org/ftp/Specs/archive/08_series)

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**TS 08.01 General Aspects on the BSS-MSC Interface**  
R99 *current version:* 8.0.1 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
smg-31 2000-02-16 8 . 0 . 0 [get it](#) *remarks - general:*  
draft 2002-06-17 8 . 0 . 1 [get it](#) *remarks - this release:* .

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**TS 08.02 Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles**  
R99 *current version:* 8.0.1 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
smg-31 2000-02-16 8 . 0 . 0 [get it](#) *remarks - general:*  
edito 2002-06-17 8 . 0 . 1 [get it](#) *remarks - this release:* .

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**TS 08.04 Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification**  
R99 *current version:* 8.0.1 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
smg-31 2000-02-16 8 . 0 . 0 [get it](#) *remarks - general:*  
edito 2002-06-17 8 . 0 . 1 [get it](#) *remarks - this release:* .

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<b>TS 08.06</b>	<b>Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface</b>
R99	<i>current version:</i> 8.0.1 <i>freeze_meeting:</i> SP-06
	<i>WG (prime / other):</i> G2 / - <i>rapporteur:</i> ANDERSEN, Niels Peter MOTOROLA A/S Skov
	<i>G:</i> yes <i>U:</i> <i>MCC:</i> THOMASEN, Gert
<i>history (event, available, version, comments):</i>	
	smg-31 2000-02-16 8 . 0 . 0 <a href="#">get it</a> <i>remarks - general:</i>
	edito 2002-06-17 8 . 0 . 1 <a href="#">get it</a> <i>remarks - this release:</i> .

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<b>TS 08.08</b>	<b>Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification</b>
R99	<i>current version:</i> 8.15.0 <i>freeze_meeting:</i> SP-06
	<i>WG (prime / other):</i> G2 / - <i>rapporteur:</i> ANDERSEN, Niels Peter MOTOROLA A/S Skov
	<i>G:</i> yes <i>U:</i> <i>MCC:</i> THOMASEN, Gert
<i>history (event, available, version, comments):</i>	
	smg-29 1999-06-30 8 . 0 . 0 <a href="#">get it</a> <i>remarks - general:</i>
	smg-30 1999-11-11 8 . 1 . 0 <a href="#">get it</a> <i>remarks - this release:</i>
	smg-30b 1999-12-06 8 . 2 . 0 <a href="#">get it</a>
	smg-31 2000-02-16 8 . 3 . 0 <a href="#">get it</a>
	smg-31b 2000-04-17 8 . 4 . 0 <a href="#">get it</a>
Fix graphics	2000-05-16 8 . 4 . 1 <a href="#">get it</a>
	smg-32 2000-06-20 8 . 5 . 0 <a href="#">get it</a>
	GP-01 2000-10-11 8 . 6 . 0 <a href="#">get it</a>
	GP-02 2000-11-27 8 . 7 . 0 <a href="#">get it</a>
	GP-03 2001-01-31 8 . 8 . 0 <a href="#">get it</a>
	GP-04 2001-05-04 8 . 9 . 0 <a href="#">get it</a>
	GP-06 2001-09-14 8 . 10 . 0 <a href="#">get it</a>
	GP-07 2002-01-08 8 . 11 . 0 <a href="#">get it</a>
	GP-08 2002-02-19 8 . 12 . 0 <a href="#">get it</a>
	GP-10 2002-07-19 8 . 13 . 0 <a href="#">get it</a>
	GP-15 2003-07-10 8 . 14 . 0 <a href="#">get it</a>
	GP-16 2003-09-12 8 . 15 . 0 <a href="#">get it</a>

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<b>TS 08.14</b>	<b>General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1</b>
R99	<i>current version:</i> 8.0.1 <i>freeze_meeting:</i> SP-06
	<i>WG (prime / other):</i> G2 / - <i>rapporteur:</i> ANDERSEN, Niels Peter MOTOROLA A/S Skov
	<i>G:</i> yes <i>U:</i> <i>MCC:</i> THOMASEN, Gert
<i>history (event, available, version, comments):</i>	
	smg-31 2000-02-16 8 . 0 . 0 <a href="#">get it</a> <i>remarks - general:</i>
	edito 2002-06-17 8 . 0 . 1 <a href="#">get it</a> <i>remarks - this release:</i> .

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<b>TS 08.16</b>	<b>General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service</b>				
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> SP-06			Skov	
		G: yes U:	MCC:	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i>				
	smg-31 2000-02-16	8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	edito 2002-06-17	8 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>	

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<b>TS 08.18</b>	<b>General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol</b>				
R99	<i>current version:</i> 8.12.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> BLACK, Jyoti	MOTOROLA	
	<i>freeze_meeting:</i> SP-06			THOMASEN, Gert	
		G: yes U:	MCC:		
	<i>history (event, available, version, comments):</i>				
	smg-30 1999-11-11	8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-30b 1999-12-06	8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-31 2000-02-16	8 . 2 . 0	<a href="#">get it</a>		
	smg-31b 2000-04-17	8 . 3 . 0	<a href="#">get it</a>		
	GP-01 2000-10-11	8 . 4 . 0	<a href="#">get it</a>		
	GP-02 2000-11-30	8 . 5 . 0	<a href="#">get it</a>		
	edito 2001-01-23	8 . 5 . 1	<a href="#">get it</a>		
	GP-03 2001-01-31	8 . 6 . 0	<a href="#">get it</a>		
	GP-04 2001-05-04	8 . 7 . 0	<a href="#">get it</a>		
	GP-05 2001-06-18	8 . 8 . 0	<a href="#">get it</a>		
	GP-06 2001-10-05	8 . 9 . 0	<a href="#">get it</a>		
	GP-09 2002-05-06	8 . 10 . 0	<a href="#">get it</a>		
	GP-18 2004-02-23	8 . 11 . 0	<a href="#">get it</a>		
	GP-19 2004-05-06	8 . 12 . 0	<a href="#">get it</a>		

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<b>TS 08.20</b>	<b>Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface</b>				
R99	<i>current version:</i> 8.4.1	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> RÄSÄNEN, Juha	NOKIA Corporation	
	<i>freeze_meeting:</i> SP-06			BOSWARTHICK, David	
		G: yes U:	MCC:		
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-30	8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-30 1999-11-11	8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	NP-09 2000-10-18	8 . 2 . 0	<a href="#">get it</a>		
	NP-10 2000-12-21	8 . 3 . 0	<a href="#">get it</a>		
	NP-11 2001-04-04	8 . 4 . 0	<a href="#">get it</a>		
	ETSI-format publication	8 . 4 . 1		ETSI publication only - 3GPP to use 8.4.0	

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**TS 08.31 Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification**  
R99 *current version:* 8.1.1 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* SP-06 Skov  
G: yes U: MCC: THOMASEN, Gert

*history (event, available, version, comments):*  
Upgrade to R99 2000-05-11 8 . 0 . 0 [get it](#) *remarks - general:*  
GP-05 2001-06-18 8 . 1 . 0 [get it](#) *remarks - this release:* .  
edito 2002-06-17 8 . 1 . 1 [get it](#)

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**TS 08.51 Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects**  
R99 *current version:* 8.0.1 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* SP-06 Skov  
G: yes U: MCC: THOMASEN, Gert

*history (event, available, version, comments):*  
smg-31 2000-02-16 8 . 0 . 0 [get it](#) *remarks - general:*  
edito 2002-06-17 8 . 0 . 1 [get it](#) *remarks - this release:* .

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**TS 08.52 Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles**  
R99 *current version:* 8.0.1 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* SP-06 Skov  
G: yes U: MCC: THOMASEN, Gert

*history (event, available, version, comments):*  
smg-31 2000-02-16 8 . 0 . 0 [get it](#) *remarks - general:*  
edito 2002-06-17 8 . 0 . 1 [get it](#) *remarks - this release:* .

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**TS 08.54 BSC-BTS Layer 1; Structure of Physical Circuits**  
R99 *current version:* 8.0.1 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* SP-06 Skov  
G: yes U: MCC: THOMASEN, Gert

*history (event, available, version, comments):*  
smg-31 2000-02-16 8 . 0 . 0 [get it](#) *remarks - general:*  
edito 2002-06-17 8 . 0 . 1 [get it](#) *remarks - this release:* .

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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**TS 08.56 BSC-BTS Layer 2; Specification**

R99 *current version:* 8.0.1  
*freeze\_meeting:* SP-06

*WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*G: yes U:* *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*

smg-31 2000-02-16 8 . 0 . 0  
edito 2002-06-17 8 . 0 . 1

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*

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**TS 08.58 Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification**

R99 *current version:* 8.6.0  
*freeze\_meeting:* SP-06

*WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*G: yes U:* *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*

smg-29 1999-06-30 8 . 0 . 0  
smg-30 1999-11-11 8 . 1 . 0  
smg-30 1999-11-11 8 . 2 . 0  
smg-31 2000-02-16 8 . 3 . 0  
smg-31b 2000-04-17 8 . 4 . 0  
GP-01 2000-10-11 8 . 5 . 0  
GP-02 2000-11-30 8 . 6 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #29: 8.0.0 #30: 8.1.0 #30: 8.2.0 #31:8.3.0 #31b:8.4.0 GERAN#1:8.5.0 GERAN#2:8.6.0  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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**TS 08.60 In-band control of remote transcoders and rate adaptors for Enhanced Full Rate (EFR) and full rate traffic channels**

R99 *current version:* 8.2.1  
*freeze\_meeting:* SP-06

*WG (prime / other):* G1 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version, comments):*

smg-30 1999-11-11 8 . 0 . 1  
smg-30b 1999-12-06 8 . 1 . 0  
ETSI publication 2001-10-30 8 . 1 . 1  
GP-08 2002-02-19 8 . 2 . 0  
replace corrupted 2003-01-24 8 . 2 . 1  
figure 2.1

[get it](#) *remarks - general:* 2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)

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G = required in systems with GERAN access; U = required in systems with UMTS access.



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**TS 08.61 In-band control of remote transcoders and rate adaptors for half rate traffic channels**  
R99 *current version:* 8.1.0 *WG (prime / other):* G1 / NP *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
smg-31 2000-02-16 8 . 0 . 0 [get it](#) *remarks - general:* 2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.  
ETSI Publication 2000-11-15 8 . 0 . 1 [get it](#) *remarks - this release:* .  
GP-08 2002-02-19 8 . 1 . 0 [get it](#)

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**TS 08.62 Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3**  
R99 *current version:* 8.0.1 *WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
SP-07 2000-03-17 8 . 0 . 0 [get it](#) *remarks - general:* SMG11->S4 at SMG#30  
edito 2000-08-08 8 . 0 . 1 [get it](#) *remarks - this release:* .

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**TS 08.71 Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3**  
R99 *current version:* 8.5.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
smg-31 2000-02-16 8 . 0 . 0 [get it](#) *remarks - general:*  
smg-31b 2000-04-17 8 . 1 . 0 [get it](#) *remarks - this release:*  
GP-02 2000-11-30 8 . 2 . 0 [get it](#)  
GP-06 2001-09-14 8 . 3 . 0 [get it](#)  
GP-07 2002-01-08 8 . 4 . 0 [get it](#)  
GP-08 2002-03-26 8 . 5 . 0 [get it](#)

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R99 09 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/09\\_series](http://www.3gpp.org/ftp/Specs/archive/09_series)

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## TR 09.01 General Network Interworking Scenarios

R99 *current version:* 8.0.0 *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
NP-07 2000-03-15 8 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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## TS 09.08 Application of the Base Station System Application Part (BSSAP) on the E-Interface

R99 *current version:* 8.2.0 *WG (prime / other):* N1 / - *rapporteur:* FARHOUMAND, Rouzbeh Ericsson Incorporated  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
smg-31 2000-02-16 8 . 0 . 0 [get it](#) *remarks - general:*  
NP-10 2001-01-02 8 . 1 . 0 [get it](#) *remarks - this release:* #31: 8.0.0 TSG#10:8.1.0  
NP-19 2003-03-24 8 . 2 . 0 [get it](#)

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## TS 09.31 Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)

R99 *current version:* 8.7.1 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
smg-31 2000-02-16 8 . 0 . 0 [get it](#) *remarks - general:*  
smg-31b 2000-04-17 8 . 1 . 0 [get it](#) *remarks - this release:*  
smg-32 2000-06-20 8 . 2 . 0 [get it](#)  
GP-01 2000-09-01 8 . 3 . 0 [get it](#)  
GP-06 2001-09-14 8 . 4 . 0 [get it](#)  
GP-07 2002-01-08 8 . 5 . 0 [get it](#)  
GP-10 2002-07-19 8 . 6 . 0 [get it](#)  
GP-19 2004-05-06 8 . 7 . 0 [get it](#)  
post GP-19 editorial 2004-05-18 8 . 7 . 1 remove rev marks [get it](#)

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R99 10 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/10\\_series](http://www.3gpp.org/ftp/Specs/archive/10_series)

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<b>TS 10.56</b>	<b>Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1</b>					
R99	<i>current version:</i> 8.0.0	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> GALLIGO, Michel	ALCATEL S.A.		
	<i>freeze_meeting:</i> SP-06	G: yes U:	<i>MCC:</i> YOON, Sang-Ui			
	<i>history (event, available, version, comments):</i>					
	smg-27 2000-02-09 8 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>

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<b>TR 10.59</b>	<b>Project scheduling and open issues for EDGE</b>					
R99	<i>current version:</i> 8.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> MUELLER, Frank	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-06	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg2b-07 1 . 8 . 0 2b99-009					<i>remarks - general:</i>
	smg3a- 1 . 9 . 0 2p99-099					<i>remarks - this release:</i>
	smg4 1 . 10 . 0 7e99-004					
	smg2edge-07 1 . 11 . 0 2e99-003					
	draft 2000-01-05 1 . 20 . 0				<a href="#">get it</a>	
	draft 2000-04-01 1 . 22 . 0				<a href="#">get it</a>	
	draft 2000-05-25 1 . 23 . 0				<a href="#">get it</a>	
	smg-32 2000-06-20 8 . 0 . 0				<a href="#">get it</a>	

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R99 11 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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<b>TS 11.10-1</b>	<b>Mobile station (MS) conformance specification; Part 1: Conformance specification</b>					
R99	<i>current version:</i> 8.3.0	<i>WG (prime / other):</i> G3new/ S1 /	<i>rapporteur:</i> SALMERON, Lidia	TELEPLUS LIMITED		
	<i>freeze_meeting:</i> SP-06	NP /				
		T2 /				
		SCP				
		G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-31 2000-02-16 8 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> R99 version now serves all releases. Earlier releases closed.. Subsequently replaced
	smg-31 2000-02-16 8 . 1 . 0				<a href="#">get it</a>	<i>remarks - this release:</i> #32:closed. #32:8.2.0 GP-06: Rel-4 serves all releases. GP-06: reopened and reclosed!
by Rel-5 equivalent.	2001-11-19: G4->G5.					
	ETSI publication 2000-10-30 8 . 1 . 1				<a href="#">get it</a>	
	smg-32 2000-06-20 8 . 2 . 0				<a href="#">get it</a>	
	GP-06 2001-09-14 8 . 3 . 0				<a href="#">get it</a>	

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 11.10-4 Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification

R99 *current version:* 8.7.0 *WG (prime / other):* T3 / G2, *rapporteur:* SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* SP-06 G3new

G: yes U: MCC: JURISIC, Andrijana

*history (event, available, version, comments):*

auto upgrade to 8 . 0 . 0 never actually done  
R99 from previous  
not derived from R96 by CR; also to withdraw the R96 version, since the R99 version  
rel  
will cover all previous Releases. TP-20: accepted by T3 (from G4).

*remarks - general:* TP-17: T3 proposes to take over this spec from G5, and to approve a new R99 version  
*remarks - this release:* May 00: R99 not anticipated. TP-17: T3 proposes to take over this spec from G5, and to  
approve a new R99 version not derived from R96 by CR; also to withdraw the R96  
version, since the R99 version will cover all previous Releases.

TP-14	0 . 0 . 1	TP-010250	
T3-23	1 . 0 . 0	T3-020405	
TP-17	2 . 0 . 0	TP-020221 = new draft, not derived by CR from previous version (8.0.0). This version NOT approved, due to unorthodox history of its creation.	
GP-12	2002-12-20 8 . 1 . 0	Created correctly by a CR to previous version.	<a href="#">get it</a>
GP-13	2003-02-21 8 . 2 . 0		<a href="#">get it</a>
GP-14	2003-04-25 8 . 3 . 0		<a href="#">get it</a>
TP-20	2003-07-01 8 . 4 . 0	late availability due to aesthetics check	<a href="#">get it</a>
TP-21	2003-09-30 8 . 5 . 0		<a href="#">get it</a>
TP-22	2004-01-12 8 . 6 . 0		<a href="#">get it</a>
TP-23	2004-03-25 8 . 7 . 0		<a href="#">get it</a>

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## TS 11.11 Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface

R99 *current version:* 8.12.0 *WG (prime / other):* T3 / - *rapporteur:* GUTHERY, Scott B. Mobile-Mind Inc.  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*

smg-29	1999-06-30	8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-30	1999-11-11	8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
smg-31	2000-02-16	8 . 2 . 0	<a href="#">get it</a>	
smg-32	2000-06-20	8 . 3 . 0	<a href="#">get it</a>	
TP-09	2000-10-18	8 . 4 . 0	<a href="#">get it</a>	
TP-11	2001-04-09	8 . 5 . 0	<a href="#">get it</a>	
TP-14	2002-01-17	8 . 6 . 0	<a href="#">get it</a>	
TP-16	2002-06-25	8 . 7 . 0	<a href="#">get it</a>	
TP-17	2002-09-18	8 . 8 . 0	<a href="#">get it</a>	
TP-18	2003-01-02	8 . 9 . 0	<a href="#">get it</a>	
Removal of	2003-06-23	8 . 9 . 1	<a href="#">get it</a>	
comments in clause				
11				
TP-21	2003-09-30	8 . 10 . 0	<a href="#">get it</a>	
TP-22	2004-01-12	8 . 11 . 0	<a href="#">get it</a>	
TP-23	2004-03-25	8 . 12 . 0	<a href="#">get it</a>	

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## TS 11.13 Test specification for Subscriber Interface Module (SIM) Application Programme Interface (API) for Java card

R99 *current version:* 8.2.1 *WG (prime / other):* T3 / - *rapporteur:* BEGASSAT, Christophe Axalto S.A.  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*

TP-17	2002-09-18	8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
TP-18	2003-01-02	8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> No work on R99! TP-14: Resurrected as identical copy of R98 v7.4.1.
TP-19	2003-03-26	8 . 2 . 0	<a href="#">get it</a>	
replace Annex E	2003-04-16	8 . 2 . 1	<a href="#">get it</a>	
with correct file				

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 11.14</b>	<b>Specification of the SIM Application Toolkit (SAT) for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface</b>								
R99	<i>current version:</i> 8.16.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> WOODSEND, Kristian	Indicate persons who left Company and wait for new One					
	<i>freeze_meeting:</i> TP-06								
		<i>G: yes U:</i>	<i>MCC:</i> JURISIC, Andrijana						
	<i>history (event, available, version, comments):</i>								
	smg-29 1999-06-30	8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
	smg-30 1999-11-11	8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> TP-11 to be :withdrawn at TP-12, subsumed in 31.111; however, CR approved at TP-12, so assume not yet withdrawn!					
	smg-31 2000-02-16	8 . 2 . 0	<a href="#">get it</a>						
Correction of CR implementation	2000-05-31	8 . 2 . 1	<a href="#">get it</a>						
	smg-32 2000-06-20	8 . 3 . 0	<a href="#">get it</a>						
	TP-09 2000-10-18	8 . 4 . 0	<a href="#">get it</a>						
	TP-10 2001-01-05	8 . 5 . 0	<a href="#">get it</a>						
	TP-11 2001-04-09	8 . 6 . 0	<a href="#">get it</a>	To be withdrawn at TSG#12, subsumed in 31.111					
	TP-12 2001-07-06	8 . 7 . 0	<a href="#">get it</a>	Unwithdrawn!					
	TP-13 2001-10-12	8 . 8 . 0	<a href="#">get it</a>						
	TP-14 2002-01-16	8 . 9 . 0	<a href="#">get it</a>						
	TP-15 2002-03-28	8 . 10 . 0	<a href="#">get it</a>						
	TP-16 2002-06-25	8 . 11 . 0	<a href="#">get it</a>						
	TP-18 2003-01-02	8 . 12 . 0	<a href="#">get it</a>						
	TP-19 2003-03-26	8 . 13 . 0	<a href="#">get it</a>						
	TP-20 2003-06-23	8 . 14 . 0	<a href="#">get it</a>						
	TP-22 2004-01-12	8 . 15 . 0	<a href="#">get it</a>						
	TP-23 2004-03-25	8 . 16 . 0	<a href="#">get it</a>						

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<b>TS 11.17</b>	<b>Subscriber Interface Module (SIM) test specification</b>								
R99	<i>current version:</i> 8.1.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> BREMNER, David	Indicate persons who left Company and wait for new One					
	<i>freeze_meeting:</i> SP-06								
		<i>G: yes U:</i>	<i>MCC:</i> JURISIC, Andrijana						
	<i>history (event, available, version, comments):</i>								
	TP-18 2003-01-02	8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
	TP-19 2003-03-27	8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> May 00: R99 not anticipated. TP-18: R99 created.					

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 11.21</b>	<b>Base Station System (BSS) equipment specification; Radio aspects</b>								
R99	<i>current version:</i> 8.9.0		<i>WG (prime / other):</i> G1 / -		<i>rapporteur:</i> VACANT,				
	<i>freeze_meeting:</i> SP-06		G: yes U:		<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version, comments):</i>								
	smg-30b	1999-12-06	8 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-31	2000-02-16	8 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>			
	ETSI publication	2003-08-22	8 . 1 . 1		<a href="#">get it</a>				
	smg-31b	2000-04-17	8 . 2 . 0		<a href="#">get it</a>				
	smg-32	2000-06-20	8 . 3 . 0		<a href="#">get it</a>				
	GP-01	2000-09-01	8 . 4 . 0		<a href="#">get it</a>				
	GP-02	2000-11-24	8 . 5 . 0		<a href="#">get it</a>				
	GP-04	2001-04-18	8 . 6 . 0		<a href="#">get it</a>				
	GP-12	2003-01-03	8 . 7 . 0		<a href="#">get it</a>				
	GP-13	2003-02-21	8 . 8 . 0		<a href="#">get it</a>				
	GP-15	2003-07-11	8 . 9 . 0		<a href="#">get it</a>				

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<b>TS 11.26</b>	<b>Base Station System (BSS) equipment specification; Part 4: Repeaters</b>								
R99	<i>current version:</i> 8.0.2		<i>WG (prime / other):</i> G1 / -		<i>rapporteur:</i> VACANT,				
	<i>freeze_meeting:</i> SP-06		G: yes U:		<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version, comments):</i>								
	smg-31b	2000-04-17	8 . 0 . 0	based on 5.2.1	<a href="#">get it</a>	<i>remarks - general:</i>			
	start of OAP	2000-05-24	8 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>			
	ETSI publication	2000-10-10	8 . 0 . 2		<a href="#">get it</a>				

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R99 12 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

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<b>TS 12.03</b>	<b>Security Management</b>								
R99	<i>current version:</i> 8.0.0		<i>WG (prime / other):</i> S5 / S1 / NP		<i>rapporteur:</i> TRUSS, Michael		MOTOROLA Ltd		
	<i>freeze_meeting:</i> SP-06		G: yes U:		<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	Upgrade to R99	2000-04-19	8 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
						<i>remarks - this release:</i>			

G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 12.04</b>	<b>Performance data measurements</b>					
R99	<i>current version:</i> 8.1.0	<i>WG (prime / other):</i> S5 / S1 / NP	<i>rapporteur:</i>	TOCHE, Christian	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> SP-06	G: yes U:	MCC:	ZOICAS, Adrian		
<i>history (event, available, version, comments):</i>						
	Upgrade to R99	2000-04-19	8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	SP-16	2002-06-28	8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	

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<b>TS 12.21</b>	<b>Network Management (NM) procedures and messages on the A-bis interface</b>					
R99	<i>current version:</i> 8.0.0	<i>WG (prime / other):</i> G1 / S5	<i>rapporteur:</i> TRUSS, Michael	MOTOROLA Ltd		
	<i>freeze_meeting:</i> SP-06	G: yes U:	MCC:	USAI, Paolino		
<i>history (event, available, version, comments):</i>						
	GP-09	2002-05-06	8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> SP-13: S5->G3 but no change of rapporteur.	
					<i>remarks - this release:</i> GP-09 (Usai) created to fill the Release gap.	

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<b>TS 12.71</b>	<b>Location Services (LCS); Location services management</b>					
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)		
	<i>freeze_meeting:</i> SP-06	G: yes U:	MCC:	ZOICAS, Adrian		
<i>history (event, available, version, comments):</i>						
	draft	1999-09-22	0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i> TSG#11:S5 will no longer maintain.	
	draft	1999-10-18	0 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release:</i> TSG#8:8.0.0 (2.0.1) TSG#11:S5 will no longer maintain.	
	draft	1999-12-03	0 . 0 . 3	<a href="#">get it</a>		
	draft	1999-12-22	0 . 0 . 4	<a href="#">get it</a>		
	draft	2000-01-17	0 . 0 . 5	<a href="#">get it</a>		
	draft	2000-05-22	2 . 0 . 0	<a href="#">get it</a>		
	draft	2000-05-25	2 . 0 . 1	<a href="#">get it</a>		
	SP-08	2000-06-21	7 . 0 . 0	<a href="#">get it</a>		
	SP-08	2000-06-21	8 . 0 . 0	<a href="#">get it</a>		
	ETSI Publication	2000-11-30	8 . 0 . 1	<a href="#">get it</a>		

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R99

21 .- series

Server location: [http://www.3gpp.org/ftp/Specs/archive/21\\_series](http://www.3gpp.org/ftp/Specs/archive/21_series)

G = required in systems with GERAN access; U = required in systems with UMTS access.



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## TS 21.101 Technical Specifications and Technical Reports for a UTRAN-based 3GPP system

R99 *current version:* 3.13.0

*WG (prime / other):* SP / -

*rapporteur:* MEREDITH, John M ETSI Secretariat

*freeze\_meeting:* SP-07

*G:* U: yes

*MCC:* POPE, Maurice

*history (event, available, version, comments):*

SP-05	1999-10-13	1	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>	2003-05: Title changed from "3rd Generation mobile system Release 1999
SP-06	1999-12-17	2	.	0	.	0		<a href="#">get it</a>	<i>remarks - this release:</i>	Specifications".
corrections		2	.	2	.	0	post SP-06			
SP-07		2	.	3	.	0	SP-000037			
SP-07		2	.	4	.	0	SP-000104			
SP-07		2	.	5	.	0				
SP-07	2000-03-17	3	.	0	.	0		<a href="#">get it</a>		
editorial	2000-03-30	3	.	0	.	1		<a href="#">get it</a>		
post-SP-08	2000-06-28	3	.	1	.	0		<a href="#">get it</a>		
SP-10	2001-01-04	3	.	2	.	0		<a href="#">get it</a>		
SP-11	2001-04-11	3	.	3	.	0		<a href="#">get it</a>		
SP-12	2001-07-05	3	.	4	.	0		<a href="#">get it</a>		
SP-13	2001-10-01	3	.	5	.	0		<a href="#">get it</a>		
SP-14	2002-01-03	3	.	6	.	0		<a href="#">get it</a>		
SP-15	2002-03-27	3	.	7	.	0		<a href="#">get it</a>		
SP-16	2002-06-19	3	.	8	.	0		<a href="#">get it</a>		
SP-17	2002-09-18	3	.	9	.	0		<a href="#">get it</a>		
SP-18	2003-01-03	3	.	10	.	0		<a href="#">get it</a>		
SP-19	2003-03-27	3	.	11	.	0		<a href="#">get it</a>		
SP-20	2003-06-25	3	.	12	.	0		<a href="#">get it</a>		
SP-23	2004-04-02	3	.	13	.	0		<a href="#">get it</a>		

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 21.111</b>	<b>USIM and IC card requirements</b>						
R99	<i>current version:</i> 3.4.0			<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> KALINER, Stefan		T-MOBILE DEUTSCHLAND
	<i>freeze_meeting:</i> SP-03			<i>G:</i> U: yes	<i>MCC:</i> JURISIC, Andrijana		
	<i>history (event, available, version, comments):</i>						
	draft 1998-10-16	0	0	1	<a href="#">get it</a>	<i>remarks - general:</i>	
	Transfer from smg9 to T3	1999-03-04	1	1	0	<a href="#">get it</a>	<i>remarks - this release:</i>
	T3	1999-04-21	2	0	0	<a href="#">get it</a>	
	TP-03	1999-04-23	3	0	0	<a href="#">get it</a>	
	TP-06	1999-12-17	3	0	1	<a href="#">get it</a>	
	TP-07	2000-03-15	3	1	0	<a href="#">get it</a>	
	TP-08	2000-06-23	3	2	0	<a href="#">get it</a>	
	TP-09	2000-10-18	3	3	0	<a href="#">get it</a>	
	TP-17	2002-09-18	3	4	0	<a href="#">get it</a>	
<b>TS 21.133</b>	<b>3G security; Security threats and requirements</b>						
R99	<i>current version:</i> 3.2.0			<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> CHRISTOFFERSSON, PerTeliaSonera AB		
	<i>freeze_meeting:</i> SP-03			<i>G:</i> U: yes	<i>MCC:</i> POPE, Maurice		
	<i>history (event, available, version, comments):</i>						
	draft 1998-08-20	0	0	1	<a href="#">get it</a>	<i>remarks - general:</i>	
	draft 1998-10-20	1	0	0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	WG approval	1998-12-20	2	0	0	<a href="#">get it</a>	
	SP-03	1999-04-23	3	0	0	<a href="#">get it</a>	
	SP-06	1999-12-17	3	1	0	<a href="#">get it</a>	
	SP-14	2002-01-07	3	2	0	<a href="#">get it</a>	
<b>TR 21.801</b>	<b>Specification drafting rules</b>						
R99	<i>current version:</i> 3.0.0			<i>WG (prime / other):</i> SP / -	<i>rapporteur:</i> MEREDITH, John M		ETSI Secretariat
	<i>freeze_meeting:</i> SP-23			<i>G:</i> yes U: yes	<i>MCC:</i> POPE, Maurice		
	<i>history (event, available, version, comments):</i>						
	SP-23	2004-04-02	3	0	0	<a href="#">get it</a>	<i>remarks - general:</i>
							<i>remarks - this release:</i> Created from Rel-5 at SP-23. Previous Releases were originally covered by ETSI drafting rules. No intention to propagate "21.801" further back than R99.

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<b>TR 21.910</b>	<b>Report on multi-mode UE issues; ongoing work and identified additional work</b>								
R99	<i>current version:</i> 3.0.0		<i>WG (prime / other):</i> T2 / -		<i>rapporteur:</i> PERSSON, Sofi	TeliaSonera AB			
	<i>freeze_meeting:</i> SP-08		G: U: yes		<i>MCC:</i> RODERMUND, Friedhelm				
	<i>history (event, available, version, comments):</i>								
	TP-08 2000-06-23	3 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	Was formerly 21.910. Renumbered at TSG#7.			
					<i>remarks - this release:</i>	TSG#7:2.0.0 - number changed from 21.910. Not approved. 2.0.0			
<hr/>									
<b>TR 21.900</b>	<b>Technical Specification Group working methods</b>								
R99	<i>current version:</i> 3.7.0		<i>WG (prime / other):</i> SP / -		<i>rapporteur:</i> MEREDITH, John M	ETSI Secretariat			
	<i>freeze_meeting:</i> SP-03		G: yes U: yes		<i>MCC:</i> POPE, Maurice				
	<i>history (event, available, version, comments):</i>								
	SP-03 1999-04-23	3 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-04 1999-06-23	3 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	SP-22: Fron now on, is null document pointing to equivalent in latest Release.			
	SP-05 1999-10-13	3 . 2 . 0		<a href="#">get it</a>					
	SP-08 2000-06-28	3 . 3 . 0		<a href="#">get it</a>					
	SP-09 2000-10-04	3 . 4 . 0		<a href="#">get it</a>					
	SP-10 2001-01-04	3 . 5 . 0		<a href="#">get it</a>					
	SP-11 2001-04-11	3 . 6 . 0		<a href="#">get it</a>					
	SP-22 2004-01-14	3 . 7 . 0		<a href="#">get it</a>					
<hr/>									
<b>TR 21.904</b>	<b>User Equipment (UE) capability requirements</b>								
R99	<i>current version:</i> 3.5.0		<i>WG (prime / other):</i> T2 / -		<i>rapporteur:</i> SOOD, Prem	SHARP Corporation			
	<i>freeze_meeting:</i> SP-07		G: U: yes		<i>MCC:</i> RODERMUND, Friedhelm				
	<i>history (event, available, version, comments):</i>								
	TP-03 1999-04-23	0 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	TP-04 1999-06-18	0 . 0 . 3		<a href="#">get it</a>	<i>remarks - this release:</i>				
	TP-05 1999-10-08	1 . 0 . 2		<a href="#">get it</a>					
	TP-06 1999-12-17	1 . 1 . 0		<a href="#">get it</a>					
	TP-07	2 . 0 . 0	TP-000026						
	TP-07 2000-03-15	3 . 0 . 0		<a href="#">get it</a>					
	Editorial 2000-03-30	3 . 0 . 1		<a href="#">get it</a>					
	TP-08 2000-06-23	3 . 1 . 0		<a href="#">get it</a>					
	TP-09 2000-10-16	3 . 2 . 0		<a href="#">get it</a>					
	TP-10 2001-01-05	3 . 3 . 0		<a href="#">get it</a>					
	TP-13 2001-10-03	3 . 4 . 0		<a href="#">get it</a>					
	TP-17 2002-09-16	3 . 5 . 0		<a href="#">get it</a>					

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TR 21.905 Vocabulary for 3GPP Specifications

R99 *current version:* 3.3.0 *WG (prime / other):* S1 / - *rapporteur:* ZARRI, Michele T-Mobile (UK) Ltd  
*freeze\_meeting:* SP-07 *G:* U: yes *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

SP-05	1999-10-13	0	0	1	
SP-07	2000-03-15	3	0	0	SP-000072
SP-06	1999-12-17	3	0	0	
SP-08	2000-06-23	3	1	0	
edito	2000-08-08	3	1	1	
SP-09	2000-10-18	3	2	0	
SP-13	2001-10-05	3	3	0	

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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## TR 21.910 Multi-mode UE issues; categories, principles and procedures

R99 *current version:* 3.0.0 *WG (prime / other):* T2 / - *rapporteur:* PERSSON, Sofi TeliaSonera AB  
*freeze\_meeting:* SP-08 *G:* U: yes *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*

TP-03		0	1	0	
TP-04		0	2	0	
TP-05	1999-10-08	1	0	1	
TP-06	1999-12-17	1	3	2	
TP-07		2	0	0	
TP-08		2	1	0	
TP-08	2000-03-15	3	0	0	

*remarks - general:* TSG#7: Renumbered to 21.810 and stopped. TSG#8: Resurrected with modified title.  
*remarks - this release:* TSG#7: 2.0.0, but not approved. Number changed to 21.810. TSG#8: Re-instated with changed title and contents. TSG#8:3.0.0 (2.1.0)

[get it](#)  
[get it](#)  
[get it](#)

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## TR 21.978 Feasibility Technical Report; CAMEL Control of VoIP Services

R99 *current version:* 3.0.0 *WG (prime / other):* N2 / - *rapporteur:* JURISIC, Andrijana  
*freeze\_meeting:* SP-07 *G:* yes *U:* yes *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*

NP-06	1999-12-17	2	0	0	
Revised clause 11	2000-01-14	2	1	0	
NP-08		2	1	1	
NP-08	2000-06-23	3	0	0	

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 22.001</b>	<b>Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)</b>						
R99	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> KOKKOLA, Tommi	NOKIA Corporation			
	<i>freeze_meeting:</i> SP-07	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>						
	SP-06	1999-12-17	3 . 0 . 0	aprvd with CRs	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#5	
	SP-06	1999-12-17	3 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	edito	2000-01-18	3 . 1 . 1		<a href="#">get it</a>		
	SP-07	2000-03-17	3 . 2 . 0		<a href="#">get it</a>		
<hr/>							
<b>TS 22.002</b>	<b>Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)</b>						
R99	<i>current version:</i> 3.6.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CARPENTER, Paul	Research In Motion Limited			
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>						
	SP-05	1999-10-13	3 . 1 . 0		<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
	SP-06	1999-12-17	3 . 2 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	SP-07	2000-03-15	3 . 3 . 0		<a href="#">get it</a>		
	SP-08	2000-06-23	3 . 4 . 0		<a href="#">get it</a>		
	SP-09	2000-10-18	3 . 5 . 0		<a href="#">get it</a>		
	SP-11	2001-04-02	3 . 6 . 0		<a href="#">get it</a>		
<hr/>							
<b>TS 22.003</b>	<b>Circuit Teleservices supported by a Public Land Mobile Network (PLMN)</b>						
R99	<i>current version:</i> 3.3.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> KOKKOLA, Tommi	NOKIA Corporation			
	<i>freeze_meeting:</i> SP-08	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>						
	SP-06	1999-12-17	3 . 0 . 0	aprvd with CRs	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#5	
	SP-06	1999-12-17	3 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	SP-07	2000-03-17	3 . 2 . 0		<a href="#">get it</a>		
	SP-12	2001-06-27	3 . 3 . 0		<a href="#">get it</a>		
<hr/>							
<b>TS 22.004</b>	<b>General on supplementary services</b>						
R99	<i>current version:</i> 3.3.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CARPENTER, Paul	Research In Motion Limited			
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>						
	SP-05	1999-10-13	3 . 0 . 1		<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
	SP-06	1999-12-17	3 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	SP-07	2000-03-15	3 . 2 . 0		<a href="#">get it</a>		
	Editorial	2000-03-15	3 . 2 . 1		<a href="#">get it</a>		
	SP-16	2002-07-04	3 . 3 . 0		<a href="#">get it</a>		

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 22.011</b>	<b>Service accessibility</b>						
R99	<i>current version:</i> 3.8.0		<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> IBIDUN, Kunle		ORANGE PCS LTD	
	<i>freeze_meeting:</i> SP-05		G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>						
	txferd to 3GPP	2000-06-01	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4		
	SP-05	1999-10-30	3 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-06	1999-12-17	3 . 1 . 1	<a href="#">get it</a>			
	SP-07	2000-03-17	3 . 2 . 0	<a href="#">get it</a>			
	SP-09	2000-10-18	3 . 3 . 0	<a href="#">get it</a>			
	SP-11	2001-04-02	3 . 4 . 0	<a href="#">get it</a>			
	SP-12	2001-06-27	3 . 5 . 0	<a href="#">get it</a>			
	SP-14	2002-01-10	3 . 6 . 0	<a href="#">get it</a>			
	SP-15	2002-03-25	3 . 7 . 0	<a href="#">get it</a>			
	SP-17	2002-09-17	3 . 8 . 0	<a href="#">get it</a>			

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<b>TS 22.016</b>	<b>International Mobile Equipment Identities (IMEI)</b>						
R99	<i>current version:</i> 3.3.0		<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> KOKKOLA, Tommi		NOKIA Corporation	
	<i>freeze_meeting:</i> SP-05		G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>						
	SP-05	1999-10-13	3 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4		
	SP-06	1999-12-17	3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-08	2000-06-28	3 . 2 . 0	<a href="#">get it</a>			
	SP-16	2002-07-04	3 . 3 . 0	<a href="#">get it</a>			

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<b>TS 22.022</b>	<b>Personalisation of Mobile Equipment (ME); Mobile functionality specification</b>						
R99	<i>current version:</i> 3.2.1		<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> NGUYEN NGOC, Sebastien		France Telecom	
	<i>freeze_meeting:</i> SP-05		G: yes U: yes	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version, comments):</i>						
	SP-05	1999-10-13	3 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4		
	SP-08	2000-06-28	3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		difficulty in implementing CR
	SP-16	2002-06-19	3 . 2 . 0	<a href="#">get it</a>			
	edito post SP-16	2002-06-24	3 . 2 . 1	<a href="#">get it</a>			corrects change history

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<b>TS 22.024</b>	<b>Description of Charge Advice Information (CAI)</b>								
R99	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	DEOL, Amar	Nortel Networks (USA)			
	<i>freeze_meeting:</i> SP-05	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-05 1999-10-13 3 . 0 . 1			<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4,CR at TSG#5			
					<i>remarks - this release:</i>	.			
<hr/>									
<b>TS 22.030</b>	<b>Man-Machine Interface (MMI) of the User Equipment (UE)</b>								
R99	<i>current version:</i> 3.4.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	IGNATIUS, Jan	NOKIA Corporation			
	<i>freeze_meeting:</i> SP-05	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-05 1999-10-30 3 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4			
	SP-05 1999-10-30 3 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>				
	SP-06 1999-12-17 3 . 2 . 0			<a href="#">get it</a>					
	SP-07 2000-03-17 3 . 3 . 0			<a href="#">get it</a>					
	SP-09 2000-10-18 3 . 4 . 0			<a href="#">get it</a>					
<hr/>									
<b>TS 22.031</b>	<b>Fraud Information Gathering System (FIGS); Service description; Stage 1</b>								
R99	<i>current version:</i> 3.0.0	<i>WG (prime / other):</i>	S3 /	<i>rapporteur:</i>	WRIGHT, Tim	Indicate persons who left Company and wait for new One			
	<i>freeze_meeting:</i> SP-18	G: yes U: yes		<i>MCC:</i>	POPE, Maurice				
	<i>history (event, available, version, comments):</i>								
	SP-18 2003-01-06 3 . 0 . 0	Technically identical to 02.31 v8.0.1.		<a href="#">get it</a>	<i>remarks - general:</i>	SP-18: decided FIGS is joint GERAN/UTRAN so 02.31 R99 and 42.031 Rel-4 & Rel-5 ->			
					<i>remarks - this release:</i>	Created from 02.31 R99. 22.031.			
<hr/>									
<b>TS 22.032</b>	<b>Immediate Service Termination (IST); Service description; Stage 1</b>								
R99	<i>current version:</i> 3.0.0	<i>WG (prime / other):</i>	S3 /	<i>rapporteur:</i>	WRIGHT, Tim	Indicate persons who left Company and wait for new One			
	<i>freeze_meeting:</i> SP-16	G: yes U: yes		<i>MCC:</i>	POPE, Maurice				
	<i>history (event, available, version, comments):</i>								
	SP-16 2002-06-24 3 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards).			
					<i>remarks - this release:</i>	SP-16: Takes over from 02.32 R99.			

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<b>TS 22.034</b>	<b>High Speed Circuit Switched Data (HSCSD); Stage 1</b>					
R99	<i>current version:</i> 3.2.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> KOKKOLA, Tommi	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	SP-05 1999-10-13 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-07 2000-03-15 3 . 2 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	edito 2000-04-25 3 . 2 . 1	<a href="#">get it</a>				
<hr/>						
<b>TS 22.038</b>	<b>USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1</b>					
R99	<i>current version:</i> 3.4.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CARPENTER, Paul	Research In Motion Limited		
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	SP-05 1999-10-30 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-07 2000-03-17 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-08 2000-06-28 3 . 2 . 0	<a href="#">get it</a>				
	SP-20 2003-06-18 3 . 3 . 0	<a href="#">get it</a>				
	SP-22 2004-01-06 3 . 4 . 0	<a href="#">get it</a>				
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<b>TS 22.041</b>	<b>Operator Determined Call Barring</b>					
R99	<i>current version:</i> 3.3.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> WATSON, John	VODAFONE Group Plc		
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	SP-05 1999-10-13 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-10 2001-01-08 3 . 2 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-11 2001-04-02 3 . 3 . 0	<a href="#">get it</a>				
	edito 2001-04-26 3 . 3 . 1	<a href="#">get it</a>				
<hr/>						
<b>TS 22.042</b>	<b>Network Identity and Time Zone (NITZ) service description; Stage 1</b>					
R99	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	SP-05 1999-10-13 3 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
			<i>remarks - this release:</i> CR to 3.0.1 not aprvd.			

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<b>TS 22.057</b>	<b>Mobile Execution Environment (MExE) service description; Stage 1</b>						
R99	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	CLAYTON, Michael	EMCOM Ltd	
	<i>freeze_meeting:</i> SP-05	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael		
	<i>history (event, available, version, comments):</i>						
	SP-05 1999-10-25 3 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution		
	edito 1999-10-25 3 . 0 . 1	<a href="#">get it</a>		<i>remarks - this release:</i>	. Environment (MExE); Stage 1".		
<hr/>							
<b>TS 22.060</b>	<b>General Packet Radio Service (GPRS); Service description; Stage 1</b>						
R99	<i>current version:</i> 3.5.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	CARPENTER, Paul	Research In Motion Limited	
	<i>freeze_meeting:</i> SP-05	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael		
	<i>history (event, available, version, comments):</i>						
	SP-05 1999-10-13 3 . 1 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	Transfer>TSG#4		
	SP-06 1999-12-17 3 . 2 . 0	<a href="#">get it</a>		<i>remarks - this release:</i>			
	SP-07 2000-03-15 3 . 3 . 0	<a href="#">get it</a>					
	SP-08 2000-06-28 3 . 4 . 0	<a href="#">get it</a>					
	SP-09 2000-10-18 3 . 5 . 0	<a href="#">get it</a>					
<hr/>							
<b>TS 22.066</b>	<b>Support of Mobile Number Portability (MNP); Stage 1</b>						
R99	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	CLAYTON, Michael	EMCOM Ltd	
	<i>freeze_meeting:</i> SP-05	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael		
	<i>history (event, available, version, comments):</i>						
	SP-05 1999-10-13 3 . 0 . 1	<a href="#">get it</a>		<i>remarks - general:</i>	Transfer>TSG#4		
	SP-07 2000-03-15 3 . 1 . 0	<a href="#">get it</a>		<i>remarks - this release:</i>			
	SP-08 2000-06-28 3 . 2 . 0	<a href="#">get it</a>					
<hr/>							
<b>TS 22.067</b>	<b>enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1</b>						
R99	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	SWETINA, Joerg	SIEMENS AG	
	<i>freeze_meeting:</i> SP-05	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael		
	<i>history (event, available, version, comments):</i>						
	SP-05 1999-10-13 3 . 0 . 1	<a href="#">get it</a>		<i>remarks - general:</i>	Transfer>TSG#4		
				<i>remarks - this release:</i>	.		

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<b>TS 22.071</b>	<b>Location Services (LCS); Stage 1</b>								
R99	<i>current version:</i> 3.5.0		<i>WG (prime / other):</i> S1 / -		<i>rapporteur:</i> DEOL, Amar			Nortel Networks (USA)	
	<i>freeze_meeting:</i> SP-05		G: yes U: yes		<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-05 1999-10-13	3 . 1 . 0		<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4				
	SP-06 1999-12-17	3 . 2 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>				
	SP-09 2000-10-18	3 . 3 . 0		<a href="#">get it</a>					
	SP-15 2002-03-25	3 . 4 . 0		<a href="#">get it</a>					
	SP-23 2004-03-23	3 . 5 . 0		<a href="#">get it</a>					
<hr/>									
<b>TS 22.072</b>	<b>Call Deflection (CD); Stage 1</b>								
R99	<i>current version:</i> 3.0.1		<i>WG (prime / other):</i> S1 / -		<i>rapporteur:</i> HECHWARTNER, Roland T-Mobile AUSTRIA GmbH				
	<i>freeze_meeting:</i> SP-05		G: yes U: yes		<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-05 1999-10-13	3 . 0 . 1		<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4				
					<i>remarks - this release:</i> .				
<hr/>									
<b>TS 22.078</b>	<b>Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1</b>								
R99	<i>current version:</i> 3.9.0		<i>WG (prime / other):</i> S1 / -		<i>rapporteur:</i> GRECH, Michel			Lucent Technologies Network Systems UK	
	<i>freeze_meeting:</i> SP-05		G: yes U: yes		<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-05 1999-10-13	3 . 1 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-06 1999-12-17	3 . 2 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>				
	SP-07 2000-03-15	3 . 3 . 0		<a href="#">get it</a>					
	SP-08 2000-06-28	3 . 4 . 0		<a href="#">get it</a>					
	edito 2000-08-09	3 . 4 . 1		<a href="#">get it</a>					
	SP-09 2000-10-31	3 . 5 . 0		<a href="#">get it</a>					
	SP-10 2001-01-08	3 . 6 . 0		<a href="#">get it</a>					
	SP-11 2001-04-02	3 . 7 . 0		<a href="#">get it</a>					
	SP-12 2001-06-27	3 . 8 . 0		<a href="#">get it</a>					
	SP-15 2002-03-25	3 . 9 . 0		<a href="#">get it</a>					

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<b>TS 22.079</b>	<b>Support of optimal routing; Stage 1</b>					
R99	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	CLAYTON, Michael	EMCOM Ltd
	<i>freeze_meeting:</i> SP-05	<i>G: yes U: yes</i>		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
	SP-05 1999-10-13 3 . 0 . 1			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
					<i>remarks - this release:</i> .	
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<b>TS 22.081</b>	<b>Line Identification supplementary services; Stage 1</b>					
R99	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	BLOMSTRAND, Ola	TeliaSonera AB
	<i>freeze_meeting:</i> SP-05	<i>G: yes U: yes</i>		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
	SP-05 1999-10-13 3 . 0 . 1			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
	SP-08 2000-06-28 3 . 2 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> .	
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<b>TS 22.082</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 1</b>					
R99	<i>current version:</i> 3.0.2	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	IBIDUN, Kunle	ORANGE PCS LTD
	<i>freeze_meeting:</i> SP-05	<i>G: yes U: yes</i>		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
	SP-05 1999-10-13 3 . 0 . 1			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
	post SP-23 edito 2004-03-23 3 . 0 . 2			<a href="#">get it</a>	<i>remarks - this release:</i> .	
<hr/>						
<b>TS 22.083</b>	<b>Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1</b>					
R99	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	CLAYTON, Michael	EMCOM Ltd
	<i>freeze_meeting:</i> SP-05	<i>G: yes U: yes</i>		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
	SP-05 1999-10-13 3 . 0 . 1			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
					<i>remarks - this release:</i> .	
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<b>TS 22.084</b>	<b>MultiParty (MPTY) supplementary service; Stage 1</b>					
R99	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	SWETINA, Joerg	SIEMENS AG
	<i>freeze_meeting:</i> SP-05	<i>G: yes U: yes</i>		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
	SP-05 1999-10-13 3 . 0 . 1			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
					<i>remarks - this release:</i> .	

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<b>TS 22.085</b>	<b>Closed User Group (CUG) supplementary services; Stage 1</b>								
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	BLOMSTRAND, Ola	TeliaSonera AB			
	<i>freeze_meeting:</i> SP-05	<i>G: yes U: yes</i>		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-05 1999-10-13 3 . 0 . 1			<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4			
	SP-06 1999-12-17 3 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	.			
<hr/>									
<b>TS 22.086</b>	<b>Advice of Charge (AoC) supplementary services; Stage 1</b>								
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	DEOL, Amar	Nortel Networks (USA)			
	<i>freeze_meeting:</i> SP-05	<i>G: yes U: yes</i>		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-05 1999-10-13 3 . 1 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4			
					<i>remarks - this release:</i>	.			
<hr/>									
<b>TS 22.087</b>	<b>User-to-user signalling (UUS); Stage 1</b>								
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	ACHTER, Johannes	T-Mobile AUSTRIA GmbH			
	<i>freeze_meeting:</i> SP-05	<i>G: yes U: yes</i>		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-05 1999-10-13 3 . 0 . 1			<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4			
					<i>remarks - this release:</i>	.			
	incorporation of 2000-02-01 3 . 1 . 0			<a href="#">get it</a>					
	lost CR from SP-05								
<hr/>									
<b>TS 22.088</b>	<b>Call Barring (CB) supplementary services; Stage 1</b>								
R99	<i>current version:</i> 3.0.2	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	ACHTER, Johannes	T-Mobile AUSTRIA GmbH			
	<i>freeze_meeting:</i> SP-05	<i>G: yes U: yes</i>		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-05 1999-10-13 3 . 0 . 1			<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4			
	edito 2000-11-27 3 . 0 . 2			<a href="#">get it</a>	<i>remarks - this release:</i>	.			
<hr/>									
<b>TS 22.090</b>	<b>Unstructured Supplementary Service Data (USSD); Stage 1</b>								
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	IGNATIUS, Jan	NOKIA Corporation			
	<i>freeze_meeting:</i> SP-05	<i>G: yes U: yes</i>		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	SP-05 1999-10-13 3 . 0 . 1			<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4			
	SP-07 2000-03-15 3 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	.			

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<b>TS 22.091</b>	<b>Explicit Call Transfer (ECT) supplementary service; Stage 1</b>						
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> SWETINA, Joerg	SIEMENS AG			
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>						
	SP-05 1999-10-13 3 . 0 . 1				<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
	SP-09 2000-10-18 3 . 1 . 0				<a href="#">get it</a>	<i>remarks - this release:</i>	
<hr/>							
<b>TS 22.093</b>	<b>Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1</b>						
R99	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd			
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>						
	SP-05 1999-10-13 3 . 0 . 1				<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
						<i>remarks - this release:</i> .	
<hr/>							
<b>TS 22.094</b>	<b>Follow Me service description - Stage 1</b>						
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> HECHWARTNER, Roland T-Mobile AUSTRIA GmbH				
	<i>freeze_meeting:</i> SP-06	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>						
	SP-06 1999-12-17 3 . 1 . 0				<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4. GSM only @TSG#5 2003-07-21 (Clayton): S1 have decided to scrap	
R99	in favour of a common GSM/UMTS spec, 22.094.					<i>remarks - this release:</i> Transfer>TSG#6; Anticipate that v3.y.z will be withdrawn. Apr2001: Unwithdrawn. 02,94	
						August 2001: still debating whether this is GSM-only or common.	
<hr/>							
<b>TS 22.096</b>	<b>Name identification supplementary services; Stage 1</b>						
R99	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> DEOL, Amar	Nortel Networks (USA)			
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>						
	SP-05 1999-10-13 3 . 0 . 1				<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
						<i>remarks - this release:</i> .	
<hr/>							
<b>TS 22.097</b>	<b>Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1</b>						
R99	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> DEOL, Amar	Nortel Networks (USA)			
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>						
	SP-05 1999-10-13 3 . 1 . 0				<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
	SP-09 2000-10-18 3 . 2 . 0				<a href="#">get it</a>	<i>remarks - this release:</i>	
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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 22.100</b>	<b>UMTS Phase 1</b>						
R99	<i>current version:</i> 3.7.0		<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> ZARRI, Michele		T-Mobile (UK) Ltd	
	<i>freeze_meeting:</i> SP-03		<i>G:</i> U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>						
	draft 1998-09-16	0 . 1 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	draft 1998-10-16	1 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
WG approval	1999-02-01	2 . 0 . 0		<a href="#">get it</a>			
	SP-03 1999-04-23	3 . 0 . 0		<a href="#">get it</a>			
	SP-03 1999-04-23	3 . 2 . 0		<a href="#">get it</a>			
	SP-04 1999-06-23	3 . 3 . 0		<a href="#">get it</a>			
	SP-05 1999-10-13	3 . 4 . 0		<a href="#">get it</a>			
	SP-06 1999-12-17	3 . 5 . 0		<a href="#">get it</a>			
	SP-07 2000-03-15	3 . 6 . 0		<a href="#">get it</a>			
	SP-13 2001-10-05	3 . 7 . 0		<a href="#">get it</a>			

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<b>TS 22.101</b>	<b>Service aspects; Service principles</b>						
R99	<i>current version:</i> 3.17.0		<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> DEOL, Amar		Nortel Networks (USA)	
	<i>freeze_meeting:</i> SP-03		<i>G:</i> U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>						
	SP-03 1999-04-23	3 . 5 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-04 1999-06-23	3 . 6 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-05 1999-10-13	3 . 7 . 0		<a href="#">get it</a>			
	SP-06 1999-12-17	3 . 8 . 0		<a href="#">get it</a>			
	SP-07 2000-03-15	3 . 9 . 0		<a href="#">get it</a>			
	SP-08 2000-06-28	3 . 10 . 0		<a href="#">get it</a>			
	SP-09 2000-10-18	3 . 11 . 0		<a href="#">get it</a>			
	SP-10 2001-01-08	3 . 12 . 0		<a href="#">get it</a>			
	SP-12 2001-06-27	3 . 13 . 0		<a href="#">get it</a>			
	SP-20 2003-06-18	3 . 14 . 0		<a href="#">get it</a>			
	SP-21 2003-09-30	3 . 15 . 0		<a href="#">get it</a>			
	SP-22 2004-01-06	3 . 16 . 0		<a href="#">get it</a>			
	SP-23 2004-03-23	3 . 17 . 0		<a href="#">get it</a>			

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## TS 22.105 Services and service capabilities

R99 *current version:* 3.10.0

*freeze\_meeting:* SP-03

*WG (prime / other):* S1 / - *rapporteur:* ZARRI, Michele T-Mobile (UK) Ltd

*G:* U: yes *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

First complete draft	1997-06-13	1	.	0	.	0
draft	1997-12-19	1	.	4	.	1
WG approval	1998-02-15	2	.	0	.	0
smg-25	1998-03-20	3	.	0	.	0
smg-26	1998-06-20	3	.	1	.	0
smg-28	1999-02-15	3	.	2	.	0
SP-03	1999-04-23	3	.	4	.	0
SP-04	1999-06-23	3	.	5	.	0
SP-05	1999-10-13	3	.	6	.	0
SP-06	1999-12-17	3	.	7	.	0
SP-07	2000-03-15	3	.	8	.	0
SP-08	2000-06-28	3	.	9	.	0
SP-10	2001-01-08	3	.	10	.	0

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## TS 22.115 Service Aspects Charging and billing

R99 *current version:* 3.4.0

*freeze\_meeting:* SP-03

*WG (prime / other):* S1 / - *rapporteur:* SCARRONE, Enrico TELECOM ITALIA S.p.A.

*G:* U: yes *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

First complete draft	1997-06-13	1	.	0	.	0
Milestone 1	1997-12-19	1	.	2	.	2
WG approval	1999-01-15	2	.	0	.	0
TB approval	1999-02-15	3	.	0	.	0
SP-04	1999-06-23	3	.	1	.	0
SP-03	1999-04-23	3	.	1	.	0
SP-05	1999-10-13	3	.	2	.	0
SP-07	2000-03-15	3	.	3	.	0
SP-22	2004-01-06	3	.	4	.	0

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TR 22.121</b>	<b>Service aspects; The Virtual Home Environment; Stage 1</b>								
R99	<i>current version:</i> 3.3.1	<i>WG (prime / other):</i>	S1	/ -	<i>rapporteur:</i>	ZARRI, Michele	T-Mobile (UK) Ltd		
	<i>freeze_meeting:</i> SP-04	G: yes	U: yes		<i>MCC:</i>	CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>								
	OSP parts	1999-03-04	0	.	0	.	0		
	extracted from								
	22,121 v3,2,0								
	draft	1999-04-04	0	.	1	.	0		<a href="#">get it</a>
	SP-04	1999-06-23	3	.	0	.	0		<a href="#">get it</a>
	SP-05	1999-10-13	3	.	1	.	0		<a href="#">get it</a>
	SP-07	2000-03-15	3	.	2	.	0		<a href="#">get it</a>
	SP-08	2000-06-28	3	.	3	.	0		<a href="#">get it</a>
	SP-16	2002-07-19	3	.	3	.	1	Converted from TS to TR.	<a href="#">get it</a>
									<i>remarks - general:</i> Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1".
									<i>remarks - this release:</i> SP-16: converted from TS to TR.
<hr/>									
<b>TS 22.129</b>	<b>Handover requirements between UTRAN and GERAN or other radio systems</b>								
R99	<i>current version:</i> 3.6.0	<i>WG (prime / other):</i>	S1	/ -	<i>rapporteur:</i>	SAMPSON, Nick	ORANGE SA		
	<i>freeze_meeting:</i> SP-03	G: yes	U: yes		<i>MCC:</i>	CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>								
	Start of work	1999-03-04	0	.	0	.	0		<a href="#">get it</a>
	Table of Contents	1999-03-04	0	.	1	.	0		<a href="#">get it</a>
	and Scope								
	First complete draft	1999-04-22	1	.	0	.	0		<a href="#">get it</a>
	SP-03	1999-01-23	1	.	2	.	0		<a href="#">get it</a>
	SP-03	1999-04-23	3	.	0	.	0		<a href="#">get it</a>
	SP-05	1999-10-13	3	.	1	.	0		<a href="#">get it</a>
	SP-06	1999-12-17	3	.	2	.	0		<a href="#">get it</a>
	SP-08	2000-06-28	3	.	3	.	0		<a href="#">get it</a>
	SP-09	2000-10-18	3	.	4	.	0		<a href="#">get it</a>
	SP-10	2001-01-08	3	.	5	.	0		<a href="#">get it</a>
	SP-14	2002-01-10	3	.	6	.	0		<a href="#">get it</a>

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**TS 22.135 Multicall; Service description; Stage 1**

R99 *current version:* 3.4.0 *WG (prime / other):* S1 / - *rapporteur:* KOKKOLA, Tommi NOKIA Corporation  
*freeze\_meeting:* SP-06 *G:* U: yes *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

Start of work	1999-03-04	0	0	0	<a href="#">get it</a> <i>remarks - general:</i>
Table of Contents and Scope	1999-03-04	0	1	0	<a href="#">get it</a> <i>remarks - this release:</i>
SP-03	1999-04-23	1	0	0	<a href="#">get it</a>
SP-05	1999-10-13	3	0	0	<a href="#">get it</a>
SP-06	1999-12-17	3	1	0	<a href="#">get it</a>
SP-07	2000-03-15	3	2	0	<a href="#">get it</a>
SP-08	2000-06-28	3	3	0	<a href="#">get it</a>
SP-09	2000-10-18	3	4	0	<a href="#">get it</a>

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**TS 22.140 Multimedia Messaging Service (MMS); Stage 1**

R99 *current version:* 3.1.0 *WG (prime / other):* S1 / - *rapporteur:* MEYER, Juergen SIEMENS AG  
*freeze\_meeting:* SP-06 *G:* U: yes *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

SP-03	1999-04-23	0	0	0	<a href="#">get it</a> <i>remarks - general:</i> (development in T2)
SP-05	1999-10-08	1	0	0	<a href="#">get it</a> <i>remarks - this release:</i>
SP-06	1999-12-17	2	0	0	<a href="#">get it</a>
SP-08	2000-06-28	3	1	0	<a href="#">get it</a>

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**TR 22.945 Study of provision of fax service in GSM and UMTS**

R99 *current version:* 3.0.0 *WG (prime / other):* T2 / NP *rapporteur:* COLBAN, Erik ERICSSON AS  
*freeze\_meeting:* SP-05 *G:* yes *U:* yes *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*

TP-03	1999-04-28	1	0	0	<a href="#">get it</a> <i>remarks - general:</i>
TP-05	1999-10-08	3	0	0	<a href="#">get it</a> <i>remarks - this release:</i> .

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## TR 22.971 Automatic establishment of roaming relationships

R99 *current version:* 3.1.1 *WG (prime / other):* S1 / - *rapporteur:* SCARRONE, Enrico TELECOM ITALIA S.p.A.  
*freeze\_meeting:* SP-03 *G:* U: yes *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

Table of Contents and Scope	1997-10-19	0	0	1	<a href="#">get it</a> <i>remarks - general:</i>
First complete draft	1997-12-19	1	1	1	<a href="#">get it</a> <i>remarks - this release:</i> .
WG approval	1998-02-15	2	0	0	<a href="#">get it</a>
smg-25	1998-03-20	3	0	0	<a href="#">get it</a>
SP-03	1999-04-23	3	1	1	<a href="#">get it</a>

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## TR 22.975 Advanced addressing

R99 *current version:* 3.1.0 *WG (prime / other):* S1 / - *rapporteur:* WATSON, John VODAFONE Group Plc  
*freeze\_meeting:* SP-03 *G:* U: yes *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

Table of Contents and Scope	1997-10-17	0	1	0	<a href="#">get it</a> <i>remarks - general:</i>
First complete draft	1997-12-19	1	0	0	<a href="#">get it</a> <i>remarks - this release:</i> .
WG approval	1998-02-15	2	0	0	<a href="#">get it</a>
smg-25	1998-03-20	3	0	0	<a href="#">get it</a>
SP-03	1999-04-23	3	0	1	<a href="#">get it</a>
SP-05	1999-10-13	3	1	0	<a href="#">get it</a>

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## TS 23.002 Network architecture

R99 *current version:* 3.6.0 *WG (prime / other):* S2 / - *rapporteur:* MILINSKI, Alexander SIEMENS AG  
*freeze\_meeting:* SP-05 *G:* yes *U:* yes *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

SP-05	1999-10-13	3	1	0	<a href="#">get it</a> <i>remarks - general:</i> Transfer>TSG#4,CR at TSG#5
SP-06	1999-12-17	3	2	0	<a href="#">get it</a> <i>remarks - this release:</i>
SP-07	2000-03-15	3	3	0	<a href="#">get it</a>
SP-10	2000-12-21	3	4	0	<a href="#">get it</a>
SP-14	2002-01-07	3	5	0	<a href="#">get it</a>
SP-17	2002-09-24	3	6	0	<a href="#">get it</a>

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## TS 23.003 Numbering, addressing and identification

R99 *current version:* 3.14.0

*freeze\_meeting:* SP-03

*WG (prime / other):* N4 / - *rapporteur:* RUSSELL, Nick VODAFONE LTD

*G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

NP-03	1999-04-23	3	.	0	.	0
NP-04	1999-06-23	3	.	1	.	0
NP-05	1999-10-13	3	.	2	.	0
NP-06	1999-12-15	3	.	3	.	0
NP-07	2000-03-15	3	.	4	.	0
edito	2000-05-17	3	.	4	.	1
NP-08	2000-06-28	3	.	5	.	0
NP-09	2000-10-26	3	.	6	.	0
NP-10	2000-12-21	3	.	7	.	0
NP-11	2001-04-02	3	.	8	.	0
NP-12	2001-06-27	3	.	9	.	0
NP-16	2002-06-21	3	.	10	.	0
NP-17	2002-09-17	3	.	11	.	0
NP-20	2003-06-27	3	.	12	.	0
NP-21	2003-10-09	3	.	13	.	0
NP-22	2004-01-12	3	.	14	.	0

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## TS 23.007 Restoration procedures

R99 *current version:* 3.6.0

*freeze\_meeting:* SP-03

*WG (prime / other):* N4 / - *rapporteur:* RUSSELL, Nick VODAFONE LTD

*G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

NP-03	1999-04-23	3	.	0	.	0
NP-04	1999-06-23	3	.	1	.	0
NP-05	1999-10-13	3	.	1	.	3
NP-06	1999-12-15	3	.	2	.	0
NP-07	2000-03-15	3	.	3	.	0
NP-08	2000-06-28	3	.	4	.	0
NP-16	2002-06-21	3	.	5	.	0
NP-22	2004-01-12	3	.	6	.	0

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## TS 23.008 Organisation of subscriber data

R99 current version: 3.8.0

freeze\_meeting: SP-03

WG (prime / other): N4 / - rapporteur: BAUER, Rolf ALCATEL SEL AG

G: yes U: yes MCC: KYMALAINEN, Kimmo

history (event, available, version, comments):

NP-03	1999-04-23	3	.	0	.	0
NP-05	1999-10-13	3	.	1	.	0
NP-06	1999-12-15	3	.	2	.	0
NP-07	2000-03-15	3	.	3	.	0
NP-08	2000-06-28	3	.	4	.	0
NP-09	2000-10-26	3	.	5	.	0
NP-12	2001-06-27	3	.	6	.	0
NP-16	2002-06-21	3	.	7	.	0
NP-20	2003-06-27	3	.	8	.	0

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## TS 23.009 Handover procedures

R99 current version: 3.14.0

freeze\_meeting: SP-03

WG (prime / other): N1 / N4 rapporteur: FARHOUMAND, Rouzbeh Ericsson Incorporated

G: yes U: yes MCC: JORGENSEN, Per Johan

history (event, available, version, comments):

NP-03	1999-04-23	3	.	0	.	0
NP-06	1999-12-17	3	.	1	.	0
NP-07	2000-03-15	3	.	2	.	0
edito (SDLs	2000-05-16	3	.	2	.	1
beautified)						
NP-08	2000-06-23	3	.	3	.	0
NP-09	2000-10-06	3	.	4	.	0
NP-10	2001-01-03	3	.	5	.	0
NP-11	2001-04-11	3	.	6	.	0
NP-12	2001-07-06	3	.	7	.	0
NP-13	2001-10-05	3	.	8	.	0
NP-14	2002-01-08	3	.	9	.	0
NP-16	2002-06-20	3	.	10	.	0
NP-17	2002-09-17	3	.	11	.	0
NP-18	2003-01-02	3	.	12	.	0
NP-19	2003-03-24	3	.	13	.	0
NP-20	2003-06-27	3	.	14	.	0

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 23.011</b>	<b>Technical realization of Supplementary Services</b>					
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> CONRAD, Alan	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-03 1999-04-23 3 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	edito 2000-06-06 3 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-09 2000-10-26 3 . 1 . 0		<a href="#">get it</a>			
<hr/>						
<b>TS 23.012</b>	<b>Location management procedures</b>					
R99	<i>current version:</i> 3.3.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB		
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-03 1999-04-23 3 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-06 1999-12-15 3 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-07 2000-03-15 3 . 2 . 0		<a href="#">get it</a>			
	CR 23.012-003r3 2000-06-05 3 . 2 . 1		<a href="#">get it</a>			
	removed (error)					
	NP-08 2000-06-23 3 . 3 . 0		<a href="#">get it</a>			
<hr/>						
<b>TS 23.014</b>	<b>Support of Dual Tone Multi Frequency (DTMF) signalling</b>					
R99	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> ZAUS, Robert	SIEMENS AG		
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version, comments):</i>					
	NP-03 1999-04-23 3 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> Should not be in UMTS ????		
	NP-06 1999-12-17 3 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .		
	NP-17 2002-09-17 3 . 2 . 0		<a href="#">get it</a>			
<hr/>						
<b>TS 23.015</b>	<b>Technical realization of Operator Determined Barring (ODB)</b>					
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David	VODAFONE LTD		
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	<i>MCC:</i> Chalmers KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-03 1999-04-23 3 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-04 1999-06-23 3 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .		

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## TS 23.016 Subscriber data management; Stage 2

R99 *current version:* 3.10.0

*freeze\_meeting:* SP-03

*history (event, available, version, comments):*

NP-03	1999-04-23	3	.	0	.	0
NP-04	1999-06-23	3	.	1	.	0
NP-05	1999-10-13	3	.	2	.	0
NP-06	1999-12-15	3	.	3	.	0
NP-07	2000-03-15	3	.	4	.	0
NP-08	2000-06-23	3	.	5	.	0
NP-09	2000-10-26	3	.	6	.	0
NP-11	2001-03-30	3	.	7	.	0
NP-15	2002-03-28	3	.	8	.	0
NP-17	2002-09-17	3	.	9	.	0
NP-23	2004-03-23	3	.	10	.	0

*WG (prime / other):* N4 / -

*G:* yes *U:* yes

*rapporteur:* WIEHE, Ulrich

*MCC:*

KYMALAINEN, Kimmo

Gesellschaft für Kommunikations Software

[get it](#) *remarks - general:*

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## TS 23.018 Basic Call Handling; Technical realization

R99 *current version:* 3.12.0

*freeze\_meeting:* SP-03

*history (event, available, version, comments):*

NP-03	1999-04-23	3	.	0	.	0
NP-04	1999-06-23	3	.	1	.	0
NP-05	1999-10-13	3	.	2	.	0
NP-06	1999-12-15	3	.	3	.	0
NP-07	2000-03-15	3	.	4	.	0
NP-08	2000-06-23	3	.	5	.	0
NP-09	2000-10-25	3	.	6	.	0
NP-11	2001-04-06	3	.	7	.	0
NP-12	2001-07-04	3	.	8	.	0
NP-13	2001-10-03	3	.	9	.	0
NP-14	2002-01-16	3	.	10	.	0
NP-15	2002-03-28	3	.	11	.	0
NP-19	2003-04-04	3	.	12	.	0

*WG (prime / other):* N4 / -

*G:* yes *U:* yes

*rapporteur:* PARK, Ian David

*MCC:*

KYMALAINEN, Kimmo

VODAFONE LTD

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:*

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<b>TS 23.031</b>	<b>Fraud Information Gathering System (FIGS); Service description; Stage 2</b>								
R99	<i>current version:</i> 3.0.0	<i>WG (prime / other):</i>	S3 / -	<i>rapporteur:</i>	WRIGHT, Tim	Indicate persons who left Company and wait for new One			
	<i>freeze_meeting:</i> SP-18								
		<i>G:</i> yes	<i>U:</i> yes	<i>MCC:</i>	POPE, Maurice				
	<i>history (event, available, version, comments):</i>								
	SP-18 2003-01-06 3 . 0 . 0	Technically identical to 03.31 v8.0.0	<a href="#">get it</a>	<i>remarks - general:</i>	SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 & Rel-5 ->				
				<i>remarks - this release:</i>	Created from 03.31 R99. 23.031.				

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<b>TS 23.032</b>	<b>Universal Geographical Area Description (GAD)</b>								
R99	<i>current version:</i> 3.2.1	<i>WG (prime / other):</i>	S2 / -	<i>rapporteur:</i>	HIETALAHTI, Hannu	NOKIA Corporation			
	<i>freeze_meeting:</i> SP-03			<i>MCC:</i>	YOON, Sang-Ui				
	<i>history (event, available, version, comments):</i>								
	SP-03 1999-04-23 3 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	S2 responsibility?				
	SP-07 2000-03-15 3 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>					
	SP-18 2003-01-07 3 . 2 . 0		<a href="#">get it</a>						
	edito post SP-18 to 2003-01-10 3 . 2 . 1		<a href="#">get it</a>						
	correct figures								

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<b>TS 23.034</b>	<b>High Speed Circuit Switched Data (HSCSD); Stage 2</b>								
R99	<i>current version:</i> 3.3.0	<i>WG (prime / other):</i>	N1 / -	<i>rapporteur:</i>					
	<i>freeze_meeting:</i> SP-03			<i>MCC:</i>	JORGENSEN, Per Johan				
	<i>history (event, available, version, comments):</i>								
	NP-03 1999-04-23 3 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>					
	NP-05 1999-10-13 3 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>					
	NP-06 1999-12-17 3 . 1 . 1		<a href="#">get it</a>						
	NP-07 2000-03-15 3 . 2 . 0		<a href="#">get it</a>						
	NP-10 2001-01-02 3 . 3 . 0		<a href="#">get it</a>						

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<b>TS 23.035</b>	<b>Immediate Service Termination (IST); Stage 2</b>								
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i>	S3 / -	<i>rapporteur:</i>	WRIGHT, Tim	Indicate persons who left Company and wait for new One			
	<i>freeze_meeting:</i> SP-16								
	<i>history (event, available, version, comments):</i>	<i>G:</i> yes	<i>U:</i> yes	<i>MCC:</i>	POPE, Maurice				
	SP-16 2002-06-24 3 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	SP-16: created to take over from 03.35 (R99) and 43.035 (Rel-4 onwards).				
	SP-17 2002-09-18 3 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	SP-16: takes over from 03,35 R99.				

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<b>TS 23.038</b>	<b>Alphabets and language-specific information</b>				
R99	<i>current version:</i> 3.3.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Research In Motion Limited	
	<i>freeze_meeting:</i> SP-04	G: yes U: yes	<i>MCC:</i> RODERMUND, Friedhelm		
	<i>history (event, available, version, comments):</i>				
	TP-03 1999-04-28 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	TP-04 1999-06-23 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	additional CR for R99 on SMS enhanced message content expected at TSG-T#7. No, evidently not.	
	TP-05 1999-10-08 3 . 2 . 0	<a href="#">get it</a>			
	TP-06 1999-12-17 3 . 3 . 0	<a href="#">get it</a>			
<hr/>					
<b>TR 23.039</b>	<b>Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)</b>				
R99	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Research In Motion Limited	
	<i>freeze_meeting:</i> SP-04	G: yes U: yes	<i>MCC:</i> RODERMUND, Friedhelm		
	<i>history (event, available, version, comments):</i>				
	TP-03 1999-04-28 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	TP-04 1999-06-23 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	TP-06 completed 1999-12-17 3 . 1 . 0	<a href="#">get it</a>			
	TP-09 2000-10-04 3 . 2 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 23.040</b>	<b>Technical realization of Short Message Service (SMS)</b>				
R99	<i>current version:</i> 3.10.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Research In Motion Limited	
	<i>freeze_meeting:</i> SP-04	G: yes U: yes	<i>MCC:</i> RODERMUND, Friedhelm		
	<i>history (event, available, version, comments):</i>				
	TP-03 1999-04-28 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	2003-12-03: Note that this spec also contains stage 3.	
	TP-04 1999-06-23 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	TP-05 1999-10-08 3 . 2 . 0	<a href="#">get it</a>			
	TP-06 1999-12-17 3 . 3 . 0	<a href="#">get it</a>			
	TP-07 2000-03-15 3 . 4 . 0	<a href="#">get it</a>			
	edito 2000-04-19 3 . 4 . 1	<a href="#">get it</a>			
	TP-08 2000-06-23 3 . 5 . 0	<a href="#">get it</a>			
	TP-13 2001-10-03 3 . 6 . 0	<a href="#">get it</a>			
	TP-14 2002-01-11 3 . 7 . 0	<a href="#">get it</a>			
	TP-15 2002-03-21 3 . 8 . 0	<a href="#">get it</a>			
	TP-16 2002-06-25 3 . 9 . 0	<a href="#">get it</a>			
	TP-20 2003-06-25 3 . 10 . 0	<a href="#">get it</a>			

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## TS 23.041 Technical realization of Cell Broadcast Service (CBS)

R99 *current version:* 3.5.0 *WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*freeze\_meeting:* SP-05 *G: yes U: yes* *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*

TP-03	1999-04-23	0	0	0	<a href="#">get it</a> <i>remarks - general:</i> Transfer>TSG#4
TP-05	1999-10-08	3	0	0	<a href="#">get it</a> <i>remarks - this release:</i>
TP-06	1999-12-17	3	1	0	<a href="#">get it</a>
TP-07 completion target	2000-03-15	3	2	0	<a href="#">get it</a>
TP-09	2000-10-11	3	3	0	<a href="#">get it</a>
TP-12	2001-07-04	3	4	0	<a href="#">get it</a>
TP-16	2002-06-25	3	5	0	<a href="#">get it</a>

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## TS 23.042 Compression algorithm for SMS

R99 *current version:* 3.1.0 *WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*freeze\_meeting:* SP-04 *G: yes U: yes* *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*

TP-03	1999-04-28	1	0	0	<a href="#">get it</a> <i>remarks - general:</i>
TP-04	1999-06-23	3	0	0	<a href="#">get it</a> <i>remarks - this release:</i> 2001-01-23: test vectors provided = same file as for 03.42 v7.1.1.
TP-06	1999-12-17	3	1	0	<a href="#">get it</a> test vectors provided 23/01/200

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## TS 23.057 Mobile Execution Environment (MExE); Functional description; Stage 2

R99 *current version:* 3.4.0 *WG (prime / other):* T2 / - *rapporteur:* BRENK, Lars TTP Communications plc  
*freeze\_meeting:* SP-06 *G: yes U: yes* *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*

TP-03	1999-04-28	1	0	0	<a href="#">get it</a> <i>remarks - general:</i> Apr-2001: " Station Application" removed from title.
TP-04 (MExE R98 GSM 03.57)	1999-06-18	1	1	0	<a href="#">get it</a> <i>remarks - this release:</i>
TP-05	1999-10-08	1	5	0	<a href="#">get it</a>
TP-06 completed	1999-12-17	3	0	0	<a href="#">get it</a>
TP-07	2000-03-15	3	1	0	<a href="#">get it</a>
Editorial	2000-03-15	3	1	1	<a href="#">get it</a>
TP-08	2000-06-23	3	2	0	<a href="#">get it</a>
TP-09	2000-10-16	3	3	0	<a href="#">get it</a>
TP-11	2003-10-14	3	4	0	<a href="#">get it</a>

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## TS 23.060 General Packet Radio Service (GPRS); Service description; Stage 2

R99 *current version:* 3.16.0 *WG (prime / other):* S2 / - *rapporteur:* KUCHIBHOTLA, Ravi MOTOROLA Ltd  
*freeze\_meeting:* SP-03 *G: yes U: yes* *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

SP-05	1999-10-13	3	.	1	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4
SP-06	1999-12-23	3	.	2	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	
SP-07	2000-03-15	3	.	3	.	0	<a href="#">get it</a>		
SP-08	2000-06-28	3	.	4	.	0	<a href="#">get it</a>		
SP-09	2000-11-04	3	.	5	.	0	<a href="#">get it</a>		
SP-10	2001-01-12	3	.	6	.	0	<a href="#">get it</a>		
SP-11	2001-04-06	3	.	7	.	0	<a href="#">get it</a>		
SP-12	2001-06-29	3	.	8	.	0	<a href="#">get it</a>		
SP-13	2001-10-12	3	.	9	.	0	<a href="#">get it</a>		
SP-14	2002-01-09	3	.	10	.	0	<a href="#">get it</a>		
edito		3	.	10	.	1			
SP-15	2002-04-07	3	.	11	.	0	<a href="#">get it</a>		
SP-16	2002-06-17	3	.	12	.	0	<a href="#">get it</a>		
SP-17	2002-10-02	3	.	13	.	0	<a href="#">get it</a>		
SP-18	2003-01-10	3	.	14	.	0	<a href="#">get it</a>		
SP-20	2003-06-20	3	.	15	.	0	<a href="#">get it</a>		
SP-22	2004-01-06	3	.	16	.	0	<a href="#">get it</a>		

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## TS 23.066 Support of GSM Mobile Number Portability (MNP) stage 2

R99 *current version:* 3.3.0 *WG (prime / other):* N4 / - *rapporteur:* LOPEZ SORIA, Luis Telefon AB LM Ericsson  
*freeze\_meeting:* SP-05 *G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

NP-05	1999-10-13	3	.	1	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4, CR at TSG#5
NP-07	2000-03-15	3	.	2	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	
NP-08	2000-06-23	3	.	3	.	0	<a href="#">get it</a>		

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## TS 23.067 Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2

R99 *current version:* 3.3.0 *WG (prime / other):* N4 / - *rapporteur:* SCHMITT, Peter SIEMENS AG  
*freeze\_meeting:* SP-03 *G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

NP-03	1999-04-23	3	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	
NP-07	2000-03-15	3	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	
NP-10	2000-12-21	3	.	2	.	0	<a href="#">get it</a>		
NP-12	2001-06-27	3	.	3	.	0	<a href="#">get it</a>		

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## TS 23.072 Call Deflection Supplementary Service; Stage 2

R99 current version: 3.3.0

freeze\_meeting: SP-03

WG (prime / other): N4 / - rapporteur: CONRAD, Alan T-MOBILE DEUTSCHLAND

G: yes U: yes MCC: KYMALAINEN, Kimmo

history (event, available, version, comments):

NP-03	1999-04-23	3	.	0	.	0
NP-05	1999-10-13	3	.	1	.	0
NP-06	1999-12-17	3	.	2	.	0
NP-09	2000-10-26	3	.	3	.	0

[get it](#) remarks - general:

[get it](#) remarks - this release: .

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## TS 23.078 customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2

R99 current version: 3.19.0

freeze\_meeting: SP-03

WG (prime / other): N2 / - rapporteur: HOMANN, Christian ALCATEL SEL AG

G: yes U: yes MCC: JURISIC, Andrijana

history (event, available, version, comments):

NP-03	1999-04-23	3	.	0	.	0
NP-04	1999-06-23	3	.	1	.	0
NP-05	1999-10-13	3	.	2	.	0
NP-06	1999-12-17	3	.	3	.	0
NP-07	2000-03-15	3	.	4	.	0
NP-08	2000-06-23	3	.	5	.	0
NP-09	2000-10-09	3	.	6	.	0
NP-10	2001-01-04	3	.	7	.	0
NP-11	2001-04-02	3	.	8	.	0
NP-12	2001-06-29	3	.	9	.	0
NP-13	2001-10-03	3	.	10	.	0
NP-14	2002-01-04	3	.	11	.	0
NP-15	2002-03-19	3	.	12	.	0
NP-16	2002-06-17	3	.	13	.	0
NP-17	2002-09-17	3	.	14	.	0
NP-18	2002-12-18	3	.	15	.	0
NP-19	2003-03-25	3	.	16	.	0
NP-20	2003-06-23	3	.	17	.	0
NP-21	2003-09-29	3	.	18	.	0
NP-23	2004-03-25	3	.	19	.	0

[get it](#) remarks - general: CR at TSG#4,CR at TSG#5

[get it](#) remarks - this release: Phase 3. TSG#7:Aprvl CRs 56r3 & 18 by e-mail by 31-mar-00.

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## TS 23.079 Support of Optimal Routing (SOR); Technical realization; Stage 2

R99 *current version:* 3.8.0 *WG (prime / other):* N4 / - *rapporteur:* PARK, Ian David VODAFONE LTD  
*freeze\_meeting:* SP-03 *G: yes U: yes* *MCC:* KYMALAINEN, Kimmo  
Chalmers

*history (event, available, version, comments):*

NP-03	1999-04-23	3	0	0	<a href="#">get it</a> <i>remarks - general:</i> CR at TSG#4,CR at TSG#5
NP-04	1999-06-23	3	1	0	<a href="#">get it</a> <i>remarks - this release:</i>
NP-05	1999-10-13	3	2	0	<a href="#">get it</a>
NP-06	1999-12-15	3	3	0	<a href="#">get it</a>
NP-07	2000-03-15	3	4	0	<a href="#">get it</a>
NP-08	2000-06-23	3	5	0	<a href="#">get it</a>
NP-09	2000-10-26	3	6	0	<a href="#">get it</a>
NP-16	2002-06-21	3	7	0	<a href="#">get it</a>
NP-18	2003-01-07	3	8	0	<a href="#">get it</a>

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## TS 23.081 Line Identification supplementary services; Stage 2

R99 *current version:* 3.2.0 *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*freeze\_meeting:* SP-03 *G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

NP-03	1999-04-23	3	0	0	<a href="#">get it</a> <i>remarks - general:</i>
edito	2000-06-06	3	0	1	<a href="#">get it</a> <i>remarks - this release:</i>
NP-08	2000-06-23	3	1	0	<a href="#">get it</a>
NP-17	2002-09-24	3	2	0	<a href="#">get it</a>

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## TS 23.082 Call Forwarding (CF) Supplementary Services; Stage 2

R99 *current version:* 3.7.0 *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*freeze\_meeting:* SP-03 *G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

NP-03	1999-04-23	3	0	0	<a href="#">get it</a> <i>remarks - general:</i>
NP-05	1999-10-13	3	1	0	<a href="#">get it</a> <i>remarks - this release:</i>
NP-07	2000-03-15	3	2	0	<a href="#">get it</a>
NP-08	2000-06-23	3	3	0	<a href="#">get it</a>
NP-09	2000-10-26	3	4	0	<a href="#">get it</a>
NP-10	2000-12-21	3	5	0	<a href="#">get it</a>
NP-12	2001-06-27	3	6	0	<a href="#">get it</a>
NP-16	2002-06-21	3	7	0	<a href="#">get it</a>

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<b>TS 23.083</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2</b>					
R99	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE LTD		
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-03 1999-04-23 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-06 1999-12-17 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	NP-09 2000-10-26 3 . 2 . 0	<a href="#">get it</a>				

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<b>TS 23.084</b>	<b>MultiParty (MPTY) Supplementary Service; Stage 2</b>					
R99	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE LTD		
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-03 1999-04-23 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-06 1999-12-17 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	NP-09 2000-10-26 3 . 2 . 0	<a href="#">get it</a>				

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<b>TS 23.085</b>	<b>Closed User Group (CUG) Supplementary Service; Stage 2</b>					
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-03 1999-04-23 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	edito 2000-06-06 3 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	NP-09 2000-10-26 3 . 1 . 0	<a href="#">get it</a>				

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<b>TS 23.086</b>	<b>Advice of Charge (AoC) Supplementary Service; Stage 2</b>					
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-03 1999-04-23 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	edito 2000-06-06 3 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	NP-09 2000-10-26 3 . 1 . 0	<a href="#">get it</a>				

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<b>TS 23.087</b>	<b>User-to-User Signalling (UUS) supplementary service; Stage 2</b>					
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-03 1999-04-23 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	edito 2000-06-06 3 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	NP-09 2000-10-26 3 . 1 . 0	<a href="#">get it</a>				

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<b>TS 23.088</b>	<b>Call Barring (CB) Supplementary Service; Stage 2</b>					
R99	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-03 1999-04-23 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-07 2000-03-15 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	NP-09 2000-10-26 3 . 2 . 0	<a href="#">get it</a>				

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<b>TS 23.090</b>	<b>Unstructured Supplementary Service Data (USSD); Stage 2</b>					
R99	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> CROOK, Mick	ORANGE PCS LTD		
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-03 1999-04-23 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-06 1999-12-17 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	NP-09 2000-10-26 3 . 2 . 0	<a href="#">get it</a>				

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<b>TS 23.091</b>	<b>Explicit Call Transfer (ECT) Supplementary Service; Stage 2</b>					
R99	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-03 1999-04-23 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-06 1999-12-17 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	ETSI Publication 2000-11-07 3 . 2 . 0	<a href="#">get it</a>				

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<b>TS 23.093</b>	<b>Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2</b>						
R99	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i>	N4 / -	<i>rapporteur:</i>	WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> SP-03	G: yes U: yes		<i>MCC:</i>	KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>						
	NP-03 1999-04-23 3 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-06 1999-12-17 3 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-09 2000-10-26 3 . 2 . 0			<a href="#">get it</a>			
<hr/>							
<b>TS 23.094</b>	<b>Follow Me Stage 2</b>						
R99	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i>	N4 / -	<i>rapporteur:</i>	WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> SP-06	G: yes U: yes		<i>MCC:</i>	KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>						
	NP-06 1999-12-17 3 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4. GSM only @TSG#5	
	NP-07 2000-03-15 3 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	Transfer>TSG#6.	
	NP-09 2000-10-26 3 . 2 . 0			<a href="#">get it</a>			
<hr/>							
<b>TS 23.096</b>	<b>Name Identification Supplementary Service; Stage 2</b>						
R99	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i>	N4 / -	<i>rapporteur:</i>	WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> SP-03	G: yes U: yes		<i>MCC:</i>	KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>						
	NP-03 1999-04-23 3 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	edito 2000-06-06 3 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i>	.	
<hr/>							
<b>TS 23.097</b>	<b>Multiple Subscriber Profile (MSP) Phase 1; Stage 2</b>						
R99	<i>current version:</i> 3.1.1	<i>WG (prime / other):</i>	N4 / -	<i>rapporteur:</i>	RUSSELL, Nick	VODAFONE LTD	
	<i>freeze_meeting:</i> SP-05	G: yes U: yes		<i>MCC:</i>	KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>						
	NP-05 1999-10-13 3 . 0 . 1			<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4,CR at TSG#5	
	NP-06 1999-12-17 3 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-07 2000-03-15 3 . 1 . 1			<a href="#">get it</a>			

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<b>TS 23.101</b>	<b>General UMTS Architecture</b>								
R99	<i>current version:</i> 3.1.0		<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> OLSSON, Magnus	Telefon AB LM Ericsson				
	<i>freeze_meeting:</i> SP-04		<i>G:</i>	<i>MCC:</i> YOON, Sang-Ui					
	<i>U:</i> yes								
	<i>history (event, available, version, comments):</i>								
	First complete draft	1997-06-13	0 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
	Transfer to SP SA	1999-03-04	0 . 1 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>				
	WG2								
	SP-03	1999-04-23	3 . 0 . 0	<a href="#">get it</a>					
	SP-04	1999-06-23	3 . 0 . 1	<a href="#">get it</a>					
	SP-10	2000-12-21	3 . 1 . 0	<a href="#">get it</a>					

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<b>TS 23.107</b>	<b>Quality of Service (QoS) concept and architecture</b>								
R99	<i>current version:</i> 3.9.0		<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> RINNE, Janne	NOKIA Corporation				
	<i>freeze_meeting:</i> SP-05		<i>G:</i>	<i>MCC:</i> YOON, Sang-Ui					
	<i>U:</i> yes								
	<i>history (event, available, version, comments):</i>								
	SP-05	1999-10-13	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 23.907				
	SP-06	1999-12-17	3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>				
	SP-07	2000-03-15	3 . 2 . 0	<a href="#">get it</a>					
	SP-08	2000-06-28	3 . 3 . 0	<a href="#">get it</a>					
	SP-09	2000-10-19	3 . 4 . 0	<a href="#">get it</a>					
	SP-10	2000-12-22	3 . 5 . 0	<a href="#">get it</a>					
	SP-11	2001-05-14	3 . 6 . 0	<a href="#">get it</a>					
	SP-14	2002-01-07	3 . 7 . 0	<a href="#">get it</a>	CR072r1 erroneously implemented; anticipate correction at SP-15.				
	SP-15	2002-04-07	3 . 8 . 0	<a href="#">get it</a>					
	SP-17	2002-09-24	3 . 9 . 0	<a href="#">get it</a>					

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<b>TS 23.108</b>	<b>Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)</b>								
R99	<i>current version:</i> 3.2.0		<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> DOIG, Ian	MOTOROLA S.A.S				
	<i>freeze_meeting:</i> SP-04		<i>G:</i> yes	<i>MCC:</i> JORGENSEN, Per Johan					
	<i>U:</i> yes								
	<i>history (event, available, version, comments):</i>								
	NP-03	1999-04-23	0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> This is clause 7 from 04.08 ex R98.				
	NP-05	1999-10-13	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>				
	NP-04	1999-06-23	3 . 0 . 0	<a href="#">get it</a>					
	NP-06	1999-12-17	3 . 1 . 0	<a href="#">get it</a>					
	NP-07	2000-03-15	3 . 2 . 0	<a href="#">get it</a>					

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## TS 23.110 UMTS Access Stratum Services and Functions

R99 *current version:* 3.4.0

*freeze\_meeting:* SP-07

*history (event, available, version, comments):*

draft	1997-02-15	0	3	0
Transfer to SP S2	1999-03-04	0	3	1
SP-03	1999-04-23	3	1	0
SP-05	1999-10-13	3	2	0
SP-06	1999-12-17	3	3	0
SP-07	2000-03-15	3	4	0

*WG (prime / other):* S2 / - *rapporteur:* LOPEZ-TORRES, Oscar T-MOBILE DEUTSCHLAND

*G:* yes *U:* yes *MCC:* YOON, Sang-Ui

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:*

[get it](#)

[get it](#)

[get it](#)

[get it](#)

[get it](#)

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## TS 23.116 Super-Charger technical realization; Stage 2

R99 *current version:* 3.2.0

*freeze\_meeting:* SP-07

*history (event, available, version, comments):*

NP-04	1999-04-30	0	0	0
NP-06	1999-12-17	1	0	0
NP-07	2000-03-15	3	0	0
NP-12	2001-06-27	3	1	0
NP-14	2002-01-10	3	2	0

*WG (prime / other):* N4 / - *rapporteur:* ALLEN, Nicholas

Indicate persons who left Company and wait for new One

*G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo

[get it](#) *remarks - general:* New after TSG#5

[get it](#) *remarks - this release:*

[get it](#)

[get it](#)

[get it](#)

[get it](#)

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## TS 23.119 Gateway Location Register (GLR); Stage2

R99 *current version:* 3.0.0

*freeze\_meeting:* SP-07

*history (event, available, version, comments):*

draft	1999-08-01	0	1	0
draft	1999-09-01	0	2	0
draft	1999-10-01	0	3	0
draft	1999-11-01	0	4	0
draft	1999-11-15	0	5	0
N2b, Milan	2000-02-28	1	0	0
NP-07	2000-11-21	2	0	0
NP-10	2001-01-09	3	0	0

*WG (prime / other):* N4 / - *rapporteur:* SAWADA, Masahiro NTT DoCoMo Inc.

*G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo

[get it](#) *remarks - general:* New after TSG#5

[get it](#) *remarks - this release:* Functionally frozen by CN#6, CN#7 is the new target for approval as part of R99

[get it](#)

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## TS 23.121 Architectural requirements for Release 1999

R99 *current version:* 3.6.0 *WG (prime / other):* S2 / - *rapporteur:* DANIEL, Elizabeth Lucent Technologies Network Systems UK  
*freeze\_meeting:* SP-04 *G: yes U: yes* *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

First complete draft	1999-04-23	0	0	0	<a href="#">get it</a> <i>remarks - general:</i>
SP-03	1999-04-23	1	0	0	<a href="#">get it</a> <i>remarks - this release:</i>
draft	1999-06-01	1	0	1	<a href="#">get it</a>
draft	1999-06-20	2	0	0	<a href="#">get it</a>
SP-04	1999-06-23	3	0	0	<a href="#">get it</a>
SP-05	1999-10-13	3	1	0	<a href="#">get it</a>
SP-06	1999-12-17	3	2	0	<a href="#">get it</a>
SP-07	2000-03-15	3	3	0	<a href="#">get it</a>
SP-09	2000-10-19	3	4	0	<a href="#">get it</a>
SP-10	2000-12-20	3	5	0	<a href="#">get it</a>
edito	2001-02-01	3	5	1	<a href="#">get it</a>
SP-16	2002-06-18	3	6	0	<a href="#">get it</a>

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## TS 23.122 Non-Access-Stratum functions related to Mobile Station (MS) in idle mode

R99 *current version:* 3.10.0 *WG (prime / other):* N1 / - *rapporteur:* HIETALAHTI, Hannu NOKIA Corporation  
*freeze\_meeting:* SP-03 *G: yes U: yes* *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*

NP-03	1999-04-23	3	0	0	<a href="#">get it</a> <i>remarks - general:</i> 2004-02-26: Added to the list of specs in 01.01 / 41.101 following MCC review of R98
NP-04	1999-06-23	3	1	0	<a href="#">get it</a> <i>remarks - this release:</i> Created at TSG#6, CR@TSG#6, Was briefly 23.022. But regenerated from 03.22 in
features.					
editorial correction	2000-02-10	3	1	1	<a href="#">get it</a> June99. Expect 3.1.0 to correct erroneous incorporation of a CR. Expect 3.1.1 to undo
					erroneously incorporated CR.
NP-07	2000-03-15	3	2	0	<a href="#">get it</a>
NP-08	2000-06-23	3	3	0	<a href="#">get it</a>
NP-09	2000-10-06	3	4	0	<a href="#">get it</a>
edito	2000-10-24	3	4	1	<a href="#">get it</a>
edito	2000-11-02	3	4	2	<a href="#">get it</a>
NP-10	2001-01-02	3	5	0	<a href="#">get it</a>
NP-11	2001-04-11	3	6	0	<a href="#">get it</a>
NP-12	2001-07-05	3	7	0	<a href="#">get it</a>
NP-17	2002-09-17	3	8	0	<a href="#">get it</a>
NP-18	2002-12-18	3	9	0	<a href="#">get it</a>
NP-21	2003-10-10	3	10	0	<a href="#">get it</a>

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## TS 23.127 Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2

R99 *current version:* 3.4.0 *WG (prime / other):* S2 / - *rapporteur:* GOURRAUD, Christophe ERICSSON RESEARCH CANADA  
*freeze\_meeting:* SP-07 *G:* *U:* yes *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

SP-05	1999-10-13	0	3	0		<a href="#">get it</a>	<i>remarks - general:</i> Sept 00: "Open Service Architecture" removed from title.
SP-07		2	0	0	SP-000089		<i>remarks - this release:</i>
SP-07	1999-12-17	3	0	0		<a href="#">get it</a>	
SP-08	2000-06-28	3	1	0		<a href="#">get it</a>	
SP-09	2000-11-06	3	2	0		<a href="#">get it</a>	
SP-10	2000-12-21	3	3	0		<a href="#">get it</a>	
SP-12	2001-06-29	3	4	0		<a href="#">get it</a>	

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## TS 23.135 Multicall supplementary service; Stage 2

R99 *current version:* 3.2.0 *WG (prime / other):* N4 / - *rapporteur:* MITAMURA, Kazuo NTT COMWARE Corporation  
*freeze\_meeting:* SP-07 *G:* *U:* yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

NP-07	2000-03-15	1	1	0		<a href="#">get it</a>	<i>remarks - general:</i>
NP-07	2000-03-15	3	0	0		<a href="#">get it</a>	<i>remarks - this release:</i>
NP-08	2000-06-23	3	1	0		<a href="#">get it</a>	
NP-09	2000-10-25	3	2	0		<a href="#">get it</a>	

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## TS 23.140 Multimedia Messaging Service (MMS); Functional description; Stage 2

R99 *current version:* 3.1.0 *WG (prime / other):* T2 / - *rapporteur:* LAUMEN, Josef INFINEON TECHNOLOGIES  
*freeze\_meeting:* SP-07 *G:* yes *U:* yes *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*

TP-03	1999-04-23	0	0	0		<a href="#">get it</a>	<i>remarks - general:</i> 2003-12-03: Note that this spec also contains stage 3.
TP-05	1999-10-08	0	1	0		<a href="#">get it</a>	<i>remarks - this release:</i>
TP-06	1999-12-17	1	0	0		<a href="#">get it</a>	
TP-07	2000-03-15	2	0	0	TP-000028	<a href="#">get it</a>	
Editorial	2000-03-15	3	0	1		<a href="#">get it</a>	
TP-16	2002-06-24	3	1	0		<a href="#">get it</a>	

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 23.171</b>	<b>Location Services (LCS); Functional description; Stage 2 (UMTS)</b>								
R99	<i>current version:</i> 3.11.0	<i>WG (prime / other):</i>	S2 / -	<i>rapporteur:</i>	WONG, Gavin	VODAFONE Group Plc			
	<i>freeze_meeting:</i> SP-07	<i>G:</i>		<i>MCC:</i>	YOON, Sang-Ui				
	<i>history (event, available, version, comments):</i>								
	SP-05 1999-10-13	1 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-06 1999-12-17	1 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>				
	SP-07	2 . 0 . 0	SP-000090						
	SP-07 2000-03-15	3 . 0 . 0		<a href="#">get it</a>					
	SP-08 2000-06-28	3 . 1 . 0		<a href="#">get it</a>					
	SP-10 2000-12-21	3 . 2 . 0		<a href="#">get it</a>					
	SP-11 2001-04-11	3 . 3 . 0		<a href="#">get it</a>					
	SP-12 2001-06-29	3 . 4 . 0		<a href="#">get it</a>					
	SP-13 2001-10-15	3 . 5 . 0		<a href="#">get it</a>					
	SP-14 2002-01-07	3 . 6 . 0		<a href="#">get it</a>					
	SP-15 2002-03-29	3 . 7 . 0		<a href="#">get it</a>					
	SP-16 2002-06-18	3 . 8 . 0		<a href="#">get it</a>					
	SP-17 2002-09-24	3 . 9 . 0		<a href="#">get it</a>					
	SP-20 2003-06-23	3 . 10 . 0		<a href="#">get it</a>					
	SP-23 2004-04-01	3 . 11 . 0		<a href="#">get it</a>					

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<b>TR 23.814</b>	<b>Separating RR and MM specific parts of the MS Classmark</b>								
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i>	N1 / -	<i>rapporteur:</i>	YOKOTA, Fumihiko	Fujitsu Limited			
	<i>freeze_meeting:</i> SP-06	<i>G:</i>		<i>MCC:</i>	JORGENSEN, Per Johan				
	<i>history (event, available, version, comments):</i>								
	NP-05 1999-10-08	0 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	New after TSG#5			
	NP-06 1999-12-17	3 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	TSG #5: 3.0.0: accidentally 3.1.0, but no tech change.			
	editorial (!) 2000-01-24	3 . 1 . 0		<a href="#">get it</a>					

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<b>TR 23.908</b>	<b>Technical report on Pre-Paging</b>								
R99	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i>	N4 / -	<i>rapporteur:</i>	KYMALAINEN, Kimmo	TeliaSonera AB			
	<i>freeze_meeting:</i> SP-04	<i>G: yes U: yes</i>		<i>MCC:</i>	KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>								
	NP-03 1999-04-23	0 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	NP-04 1999-06-23	3 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	.			
	edito 2000-05-02	3 . 0 . 1		<a href="#">get it</a>					

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<b>TR 23.909</b>	<b>Technical report on the Gateway Location Register</b>				
R99	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David	VODAFONE LTD	
	<i>freeze_meeting:</i> SP-04	G: yes U: yes	MCC:	Chalmers KYMALAINEN, Kimmo	
<i>history (event, available, version, comments):</i>					
	NP-03 1999-04-23	0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	NP-04 1999-06-23	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .	
	edito 2000-05-03	3 . 0 . 1	<a href="#">get it</a>		
<hr/>					
<b>TR 23.910</b>	<b>Circuit switched data bearer services</b>				
R99	<i>current version:</i> 3.6.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> HUSLENDE, Ragnar	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> SP-07	G: U: yes	MCC:	BOSWARTHICK, David	
<i>history (event, available, version, comments):</i>					
	NP-04 1999-06-23	0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> 03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)	
	NP-05 1999-10-13	0 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	NP-06 1999-12-17	1 . 0 . 0	<a href="#">get it</a>		
	NP-07	2 . 0 . 0			
	NP-07 2000-03-15	3 . 0 . 0	<a href="#">get it</a>		
	NP-08 2000-06-23	3 . 1 . 0	<a href="#">get it</a>		
	NP-09 2000-10-18	3 . 2 . 0	<a href="#">get it</a>		
	NP-10 2000-12-22	3 . 3 . 0	<a href="#">get it</a>		
	NP-11 2001-04-06	3 . 4 . 0	<a href="#">get it</a>		
	NP-12 2001-06-28	3 . 5 . 0	<a href="#">get it</a>		
	NP-17 2002-09-17	3 . 6 . 0	<a href="#">get it</a>		
<hr/>					
<b>TR 23.911</b>	<b>Technical report on Out-of-band transcoder control</b>				
R99	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB	
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	MCC:	KYMALAINEN, Kimmo	
<i>history (event, available, version, comments):</i>					
	Creation of WI by 1999-10-13	0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>	
	WG/TB			<i>remarks - this release:</i> .	
	NP-05 1999-10-13	3 . 0 . 0	<a href="#">get it</a>		
	edito 2000-05-02	3 . 0 . 1	<a href="#">get it</a>		

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<b>TR 23.912</b>	<b>Technical report on Super-Charger</b>					
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> SHARP, Iain	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	Creation of WI by	1999-10-13	0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>	
	WG/TB				<i>remarks - this release:</i>	
	NP-05	1999-10-13	3 . 0 . 0	<a href="#">get it</a>		
	edito	2000-05-02	3 . 0 . 1	<a href="#">get it</a>		
	edito	2000-05-09	3 . 0 . 2	<a href="#">get it</a>		
	NP-14	2002-01-10	3 . 1 . 0	<a href="#">get it</a>		

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<b>TR 23.923</b>	<b>Combined GSM and Mobile IP mobility handling in UMTS IP CN</b>					
R99	<i>current version:</i> 3.0.0	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> HUBBARD, Elisabeth	TeliaSonera AB		
	<i>freeze_meeting:</i> SP-06	G: yes U: yes	<i>MCC:</i> YOON, Sang-Ui			
	<i>history (event, available, version, comments):</i>					
	SP-03	1999-04-23	0 . 5 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	SP-04	1999-06-23	0 . 6 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	July 2001: (Sultan) contents out of date. Replaced by 23.228.
	SP-05	1999-10-15	1 . 0 . 0	<a href="#">get it</a>		
	SP-06	2000-06-05	3 . 0 . 0	<a href="#">get it</a>		

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<b>TR 23.930</b>	<b>Iu Principles</b>					
R99	<i>current version:</i> 3.0.0	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> AXERUD, Bo	NOKIA TELECOMMUNICATIONS FINLAND		
	<i>freeze_meeting:</i> SP-04	G: U: yes	<i>MCC:</i> YOON, Sang-Ui			
	<i>history (event, available, version, comments):</i>					
	Table of Contents	1997-11-15	0 . 1 . 1	<a href="#">get it</a>	<i>remarks - general:</i>	
	and Scope				<i>remarks - this release:</i>	
	First complete draft	1999-04-01	1 . 0 . 0	<a href="#">get it</a>		
	SP-03	1999-04-23	1 . 2 . 1	<a href="#">get it</a>		
	SP-04	1999-06-23	3 . 0 . 0	<a href="#">get it</a>		

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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## TR 23.972 Circuit switched multimedia telephony

R99 *current version:* 3.0.0

*freeze\_meeting:* SP-07

*WG (prime / other):* N1 / - *rapporteur:* FARHOUMAND, Rouzbeh Ericsson Incorporated

*G:* U: yes *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*

Start of work	1999-10-21	0	0	1
N1-08	1999-10-21	0	0	2
N1-09	1999-12-09	0	0	3
N1-08 revision	1999-10-29	0	0	3
NP-07	2000-03-15	3	0	0

[get it](#) *remarks - general:* New after TSG#5. Minor title change TSG#7.

[get it](#) *remarks - this release:*

[get it](#)

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## TS 24.002 GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration

R99 *current version:* 3.1.1

*freeze\_meeting:* SP-07

*WG (prime / other):* N1 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov

*G:* yes *U:* yes *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*

NP-07	2000-03-17	3	0	0
NP-10	2001-01-02	3	1	0
correction of typo on cover page	2003-06-02	3	1	1

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:*

[get it](#)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 24.007 Mobile radio interface signalling layer 3; General Aspects

R99 *current version:* 3.9.0

*freeze\_meeting:* SP-05

*history (event, available, version, comments):*

transfer from SMG		3	.	0	.	0	not available
NP-05	1999-10-13	3	.	1	.	0	
NP-06	1999-12-17	3	.	2	.	0	
NP-07	2000-03-15	3	.	3	.	0	
edito	2000-04-25	3	.	3	.	1	
NP-08	2000-06-23	3	.	4	.	0	
NP-09	2000-10-06	3	.	5	.	0	
NP-10	2001-01-02	3	.	6	.	0	
NP-11	2001-04-11	3	.	7	.	0	
NP-14	2002-01-04	3	.	8	.	0	
NP-16	2002-06-24	3	.	9	.	0	

*WG (prime / other):* N1 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*G: yes U: yes* *MCC:* JORGENSEN, Per Johan

*remarks - general:* Transfer>TSG#4,CR at TSG#5

*remarks - this release:*

[get it](#)  
[get it](#)  
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## TS 24.008 Mobile radio interface Layer 3 specification; Core network protocols; Stage 3

R99 *current version:* 3.18.0 *WG (prime / other):* N1 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* SP-03 *G: yes U: yes* *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*

NP-03	1999-04-23	0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
NP-04	1999-06-23	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
NP-05	1999-10-13	3 . 1 . 0	<a href="#">get it</a>	
NP-06	1999-12-27	3 . 2 . 0	<a href="#">get it</a>	
editorial correction	2000-01-04	3 . 2 . 1	<a href="#">get it</a>	
NP-07	2000-03-15	3 . 3 . 0	<a href="#">get it</a>	
edito	2000-04-25	3 . 3 . 1	<a href="#">get it</a>	
NP-08	2000-06-23	3 . 4 . 0	<a href="#">get it</a>	
Editorial	2000-06-23	3 . 4 . 1	<a href="#">get it</a>	
NP-09	2000-10-06	3 . 5 . 0	<a href="#">get it</a>	
NP-10	2001-01-03	3 . 6 . 0	<a href="#">get it</a>	
NP-11	2001-04-06	3 . 7 . 0	<a href="#">get it</a>	
edito	2001-07-06	3 . 7 . 1	<a href="#">get it</a>	
NP-12	2001-07-13	3 . 8 . 0	<a href="#">get it</a>	
NP-13	2001-10-03	3 . 9 . 0	<a href="#">get it</a>	
NP-14	2002-01-11	3 . 10 . 0	<a href="#">get it</a>	
NP-15	2002-03-22	3 . 11 . 0	<a href="#">get it</a>	
NP-16	2002-06-24	3 . 12 . 0	<a href="#">get it</a>	
NP-17	2002-09-17	3 . 13 . 0	<a href="#">get it</a>	
NP-18	2003-01-02	3 . 14 . 0	<a href="#">get it</a>	
NP-19	2003-03-24	3 . 15 . 0	<a href="#">get it</a>	
NP-20	2003-06-27	3 . 16 . 0	<a href="#">get it</a>	
NP-21	2003-10-10	3 . 17 . 0	<a href="#">get it</a>	
NP-23	2004-03-22	3 . 18 . 0	<a href="#">get it</a>	

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## TS 24.010 Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects

R99 *current version:* 3.2.0 *WG (prime / other):* N4 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* SP-03 *G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

NP-03	1999-04-23	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
NP-08	2000-06-23	3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
NP-14	2002-01-10	3 . 2 . 0	<a href="#">get it</a>	

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 24.011</b>	<b>Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface</b>								
R99	<i>current version:</i> 3.6.0	<i>WG (prime / other):</i> N1 / T2	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S					
	<i>freeze_meeting:</i> SP-05			Skov					
		<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i>	JORGENSEN, Per Johan					
	<i>history (event, available, version, comments):</i>								
	NP-05 1999-10-13	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4				
	NP-06 1999-12-17	3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					
	NP-07 2000-03-15	3 . 2 . 0	<a href="#">get it</a>						
	NP-08 2000-06-23	3 . 3 . 0	<a href="#">get it</a>						
	NP-09 2000-10-06	3 . 4 . 0	<a href="#">get it</a>						
	NP-10 2001-01-02	3 . 5 . 0	<a href="#">get it</a>						
	NP-11 2001-04-06	3 . 6 . 0	<a href="#">get it</a>						

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<b>TS 24.022</b>	<b>Radio Link Protocol (RLP) for circuit switched bearer and teleservices</b>								
R99	<i>current version:</i> 3.5.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> KLEHN, Norbert	SIEMENS AG					
	<i>freeze_meeting:</i> SP-03	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i>	BOSWARTHICK, David					
	<i>history (event, available, version, comments):</i>								
	NP-03 1999-04-23	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link				
	NP-05 1999-10-13	3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the				
					Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface".				
	NP-06 2000-01-11	3 . 2 . 0	<a href="#">get it</a>						
	NP-08 2000-06-23	3 . 3 . 0	<a href="#">get it</a>						
	edito 2000-08-17	3 . 3 . 1	<a href="#">get it</a>						
	NP-09 2000-10-12	3 . 4 . 0	<a href="#">get it</a>						
	NP-20 2003-06-23	3 . 5 . 0	<a href="#">get it</a>						

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<b>TS 24.030</b>	<b>Location Services (LCS); Supplementary service operations; Stage 3</b>								
R99	<i>current version:</i> 3.3.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)					
	<i>freeze_meeting:</i> SP-08	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i>	KYMALAINEN, Kimmo					
	<i>history (event, available, version, comments):</i>								
	NP-07 2000-03-17	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	TSG#7: txfrd from SMG to 3GPP for R99.				
	NP-08 2000-06-23	3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	TSG#7:Decision to create.				
	NP-12 2001-06-27	3 . 2 . 0	<a href="#">get it</a>						
	NP-14 2002-01-10	3 . 3 . 0	<a href="#">get it</a>						

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<b>TS 24.067</b>	<b>Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3</b>						
R99	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i>	N4 / -	<i>rapporteur:</i>	SCHMITT, Peter	SIEMENS AG	
	<i>freeze_meeting:</i> SP-03	G: yes U: yes		<i>MCC:</i>	KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>						
	NP-03 1999-04-23 3 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-10 2000-12-21 3 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-12 2001-06-27 3 . 2 . 0			<a href="#">get it</a>			
<hr/>							
<b>TS 24.072</b>	<b>Call Deflection Supplementary Service; Stage 3</b>						
R99	<i>current version:</i> 3.0.0	<i>WG (prime / other):</i>	N4 / -	<i>rapporteur:</i>	WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> SP-03	G: yes U: yes		<i>MCC:</i>	KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>						
	NP-03 1999-04-23 3 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
					<i>remarks - this release:</i>		
<hr/>							
<b>TS 24.080</b>	<b>Mobile radio Layer 3 supplementary service specification; Formats and coding</b>						
R99	<i>current version:</i> 3.7.1	<i>WG (prime / other):</i>	N4 / -	<i>rapporteur:</i>	WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> SP-03	G: yes U: yes		<i>MCC:</i>	KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>						
	NP-03 1999-04-23 3 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-06 1999-12-17 3 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-07 2000-03-15 3 . 2 . 0			<a href="#">get it</a>			
	NP-08 2000-06-23 3 . 3 . 0			<a href="#">get it</a>			
	NP-09 2000-10-26 3 . 4 . 0			<a href="#">get it</a>			
	ASN.1 annex 2001-01-24 3 . 4 . 1			<a href="#">get it</a>			
	updated						
	NP-12 2001-07-04 3 . 5 . 0			<a href="#">get it</a>			
	NP-14 2002-01-10 3 . 6 . 0			<a href="#">get it</a>			
	NP-16 2002-06-21 3 . 7 . 0			<a href="#">get it</a>			
	editorial 2003-10-09 3 . 7 . 1			<a href="#">get it</a>			
<hr/>							
<b>TS 24.081</b>	<b>Line Identification Supplementary Service; Stage 3</b>						
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i>	N4 / -	<i>rapporteur:</i>	WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> SP-03	G: yes U: yes		<i>MCC:</i>	KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>						
	NP-03 1999-04-23 3 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-08 2000-06-23 3 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>		

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<b>TS 24.082</b>	<b>Call Forwarding supplementary service; Stage 3</b>					
R99	<i>current version:</i> 3.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
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			<i>remarks - this release:</i> .			
<hr/>						
<b>TS 24.083</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3</b>					
R99	<i>current version:</i> 3.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE LTD		
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-03 1999-04-23 3 . 0 . 0					
		<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			
<hr/>						
<b>TS 24.084</b>	<b>MultiParty (MPTY) Supplementary Service; Stage 3</b>					
R99	<i>current version:</i> 3.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE LTD		
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
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			<i>remarks - this release:</i> .			
<hr/>						
<b>TS 24.085</b>	<b>Closed User Group (CUG) Supplementary Service; Stage 3</b>					
R99	<i>current version:</i> 3.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
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		<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			
<hr/>						
<b>TS 24.086</b>	<b>Advice of Charge (AoC) Supplementary Service; Stage 3</b>					
R99	<i>current version:</i> 3.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-03 1999-04-23 3 . 0 . 0					
		<a href="#">get it</a>	<i>remarks - general:</i>			
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<b>TS 24.087</b>	<b>User-to-User Signalling (UUS); Stage 3</b>					
R99	<i>current version:</i> 3.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-03 1999-04-23 3 . 0 . 0					
		<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			
<hr/>						
<b>TS 24.088</b>	<b>Call Barring (CB) Supplementary Service; Stage 3</b>					
R99	<i>current version:</i> 3.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
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		<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			
<hr/>						
<b>TS 24.090</b>	<b>Unstructured Supplementary Service Data (USSD); Stage 3</b>					
R99	<i>current version:</i> 3.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> BRUSS, Jörg	ERICSSON Eurolab Deutschland GmbH		
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-03 1999-04-23 3 . 0 . 0					
		<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			
<hr/>						
<b>TS 24.091</b>	<b>Explicit Call Transfer (ECT) Supplementary Service; Stage 3</b>					
R99	<i>current version:</i> 3.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-03 1999-04-23 3 . 0 . 0					
		<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			
<hr/>						
<b>TS 24.093</b>	<b>Call Completion to Busy Subscriber (CCBS); Stage 3</b>					
R99	<i>current version:</i> 3.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-03 1999-04-23 3 . 0 . 0					
		<a href="#">get it</a>	<i>remarks - general:</i>			
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**TS 24.096 Name Identification Supplementary Service; Stage 3**

R99 *current version:* 3.0.0  
*freeze\_meeting:* SP-03  
*history (event, available, version, comments):*  
NP-03 1999-04-23 3 . 0 . 0

*WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo

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*remarks - this release:* .

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**TS 24.135 Multicall supplementary service; Stage 3**

R99 *current version:* 3.2.0  
*freeze\_meeting:* SP-07  
*history (event, available, version, comments):*  
NP-07 2000-03-15 3 . 0 . 0  
NP-08 2000-06-23 3 . 1 . 0  
NP-14 2002-01-10 3 . 2 . 0

*WG (prime / other):* N4 / - *rapporteur:* MITAMURA, Kazuo NTT COMWARE Corporation  
*G:* *U:* yes *MCC:* KYMALAINEN, Kimmo

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25 .- series

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## TS 25.101 User Equipment (UE) radio transmission and reception (FDD)

R99 current version: 3.17.0

freeze\_meeting: SP-05

history (event, available, version, comments):

WG (prime / other): R4 / - rapporteur: FERNANDES, Edgar MOTOROLA Ltd  
G: U: yes MCC: GUTIERREZ MIGUELEZ, Cesar

Table of Contents	1999-02-04	0	.	0	.	0			<a href="#">get it</a>	remarks - general:
and Scope										remarks - this release:
RP-03	1999-04-23	1	.	0	.	0			<a href="#">get it</a>	
RP-04	1999-06-23	2	.	0	.	0			<a href="#">get it</a>	
RP-05	1999-10-13	3	.	0	.	0			<a href="#">get it</a>	
RP-06	1999-12-17	3	.	1	.	0			<a href="#">get it</a>	
RP-07	2000-03-15	3	.	2	.	0			<a href="#">get it</a>	
Editorial	2000-03-15	3	.	2	.	1			<a href="#">get it</a>	
Editorial	2000-04-25	3	.	2	.	2			<a href="#">get it</a>	
RP-08	2000-06-23	3	.	3	.	0			<a href="#">get it</a>	
edito	2000-07-31	3	.	3	.	1			<a href="#">get it</a>	
RP-09	2000-10-13	3	.	4	.	0			<a href="#">get it</a>	
edito	2000-11-10	3	.	4	.	1			<a href="#">get it</a>	
RP-10	2001-01-02	3	.	5	.	0			<a href="#">get it</a>	
RP-11	2001-04-05	3	.	6	.	0			<a href="#">get it</a>	
RP-12	2001-06-29	3	.	7	.	0			<a href="#">get it</a>	
RP-13	2001-10-03	3	.	8	.	0			<a href="#">get it</a>	
RP-14	2002-01-14	3	.	9	.	0			<a href="#">get it</a>	
RP-15	2002-03-29	3	.	10	.	0			<a href="#">get it</a>	
RP-16	2002-07-01	3	.	11	.	0			<a href="#">get it</a>	
RP-18	2003-01-10	3	.	12	.	0			<a href="#">get it</a>	
RP-19	2003-04-04	3	.	13	.	0			<a href="#">get it</a>	
RP-20	2003-06-27	3	.	14	.	0			<a href="#">get it</a>	
RP-21	2003-10-10	3	.	15	.	0			<a href="#">get it</a>	
RP-22	2004-01-20	3	.	16	.	0			<a href="#">get it</a>	
RP-23	2004-04-01	3	.	17	.	0			<a href="#">get it</a>	

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## TS 25.102 User Equipment (UE) radio transmission and reception (TDD)

R99 *current version:* 3.12.0

*freeze\_meeting:* SP-05

*WG (prime / other):* R4 / - *rapporteur:* KOTTKAMP, Meik SIEMENS AG  
*G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version, comments):*

Table of Contents and Scope	1999-02-04	0	.	0	.	0
First complete draft	1999-03-04	1	.	0	.	0
RP-05	1999-10-13	3	.	0	.	0
RP-06	1999-12-17	3	.	1	.	0
RP-07	2000-03-15	3	.	2	.	0
RP-08	2000-06-23	3	.	3	.	0
RP-09	2000-10-18	3	.	4	.	0
RP-10	2000-12-22	3	.	5	.	0
RP-11	2001-04-05	3	.	6	.	0
RP-12	2001-06-29	3	.	7	.	0
RP-13	2001-10-03	3	.	8	.	0
RP-14	2002-01-14	3	.	9	.	0
RP-15	2002-03-29	3	.	10	.	0
RP-16	2002-07-01	3	.	11	.	0
RP-17	2002-10-02	3	.	12	.	0

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*remarks - this release:*

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## TS 25.104 Base Station (BS) radio transmission and reception (FDD)

R99 *current version:* 3.12.0

*freeze\_meeting:* SP-05

*history (event, available, version, comments):*

Table of Contents 1999-02-04 0 . 0 . 0

and Scope

RP-03 1999-04-23 1 . 0 . 0

RP-04 1999-06-23 2 . 0 . 0

RP-05 1999-10-13 3 . 0 . 0

RP-06 1999-12-17 3 . 1 . 0

RP-07 2000-03-15 3 . 2 . 0

RP-08 2000-06-23 3 . 3 . 0

RP-09 2000-10-13 3 . 4 . 0

RP-10 2000-12-22 3 . 5 . 0

RP-11 2001-04-05 3 . 6 . 0

RP-12 2001-06-29 3 . 7 . 0

RP-13 2001-10-03 3 . 8 . 0

RP-14 2002-01-14 3 . 9 . 0

RP-15 2002-03-29 3 . 10 . 0

RP-18 2003-01-10 3 . 11 . 0

RP-19 2003-04-04 3 . 12 . 0

WG (prime / other): R4 / - *rapporteur:* SKÖLD, Johan Telefon AB LM Ericsson  
G: U: yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

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*remarks - this release:*

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## TS 25.105 Base Station (BS) radio transmission and reception (TDD)

R99 *current version:* 3.13.0

*freeze\_meeting:* SP-05

*WG (prime / other):* R4 / - *rapporteur:* KOTTKAMP, Meik SIEMENS AG

*G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version, comments):*

First complete draft	1999-03-04	0	.	0	.	0
RP-03	1999-04-23	1	.	0	.	0
RP-04	1999-06-23	1	.	1	.	0
RP-05	1999-10-13	3	.	0	.	0
RP-06	1999-12-17	3	.	1	.	0
RP-07	2000-03-15	3	.	2	.	0
RP-08	2000-06-23	3	.	3	.	0
RP-09	2000-10-11	3	.	4	.	0
RP-10	2000-12-22	3	.	5	.	0
RP-11	2001-04-05	3	.	6	.	0
RP-12	2001-06-29	3	.	7	.	0
RP-13	2001-10-03	3	.	8	.	0
RP-14	2002-01-16	3	.	9	.	0
RP-15	2002-03-29	3	.	10	.	0
RP-16	2002-07-01	3	.	11	.	0
RP-18	2003-01-10	3	.	12	.	0
RP-19	2003-04-04	3	.	13	.	0

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## TS 25.113 Base station and repeater electromagnetic compatibility (EMC)

R99 *current version:* 3.5.0

*freeze\_meeting:* SP-06

*WG (prime / other):* R4 / - *rapporteur:* BARNES, David DTI - Department of Trade and Industry

*G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version, comments):*

RP-03	1999-04-23	0	.	0	.	0
RP-05	1999-10-13	1	.	2	.	0
RP-06	1999-12-12	3	.	0	.	0
RP-07	2000-03-15	3	.	1	.	0
RP-08	2000-06-23	3	.	2	.	0
RP-09	2000-10-13	3	.	3	.	0
RP-10	2000-12-22	3	.	4	.	0
RP-11	2001-04-05	3	.	5	.	0

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*remarks - this release:*

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## TS 25.123 Requirements for support of radio resource management (TDD)

R99 current version: 3.14.0

freeze\_meeting: SP-06

WG (prime / other): R4 / - rapporteur: GUERRINI, Claudio TELECOM ITALIA S.p.A.

G: U: yes MCC: GUTIERREZ MIGUELEZ, Cesar

history (event, available, version, comments):

RP-06	1999-12-17	3	.	0	.	0
RP-07	2000-03-17	3	.	1	.	0
edito	2000-04-27	3	.	1	.	1
RP-08	2000-06-23	3	.	2	.	0
RP-09	2000-10-11	3	.	3	.	0
RP-10	2000-12-22	3	.	4	.	0
RP-11	2001-04-05	3	.	5	.	0
RP-12	2001-06-29	3	.	6	.	0
RP-13	2001-10-03	3	.	7	.	0
RP-14	2002-01-16	3	.	8	.	0
RP-15	2002-03-19	3	.	9	.	0
RP-16	2002-07-03	3	.	10	.	0
RP-17	2002-10-04	3	.	11	.	0
RP-19	2003-04-04	3	.	12	.	0
RP-20	2003-07-01	3	.	13	.	0
RP-22	2004-01-20	3	.	14	.	0

[get it](#) remarks - general:

[get it](#) remarks - this release:

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

# 3GPP specification status

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ACTIVE specs R99 25 .- series

Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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**TS 25.133 Requirements for support of radio resource management (FDD)**

R99 *current version:* 3.17.0 *WG (prime / other):* R4 / - *rapporteur:* GUERRINI, Claudio TELECOM ITALIA S.p.A.

*freeze\_meeting:* SP-06

*G:* *U:* yes

*MCC:*

GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version, comments):*

RP-06	1999-12-17	3	.	0	.	0
RP-07	2000-03-17	3	.	1	.	0
RP-08	2000-06-23	3	.	2	.	0
RP-09	2000-10-18	3	.	3	.	0
RP-10	2001-01-09	3	.	4	.	0
RP-11	2001-04-05	3	.	5	.	0
RP-12	2001-06-29	3	.	6	.	0
RP-13	2001-10-03	3	.	7	.	0
RP-14	2002-01-17	3	.	8	.	0
RP-15	2002-03-19	3	.	9	.	0
RP-16	2002-07-04	3	.	10	.	0
RP-17	2002-10-04	3	.	11	.	0
RP-18	2003-01-10	3	.	12	.	0
RP-19	2003-04-04	3	.	13	.	0
RP-20	2003-07-01	3	.	14	.	0
RP-21	2003-10-10	3	.	15	.	0
RP-22	2004-01-23	3	.	16	.	0
RP-23	2004-04-01	3	.	17	.	0

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:*

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

# 3GPP specification status

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ACTIVE specs R99 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.141 Base Station (BS) conformance testing (FDD)

R99 *current version:* 3.13.0

*freeze\_meeting:* SP-06

*history (event, available, version, comments):*

Table of Contents 1999-02-04 0 . 0 . 1  
and Scope

First complete draft 1999-04-23 0 . 1 . 0

RP-03 1999-04-23 0 . 1 . 0

RP-04 1999-06-23 1 . 0 . 0

RP-05 1999-10-13 2 . 0 . 2

RP-06 1999-12-12 3 . 0 . 0

RP-07 2000-03-15 3 . 1 . 0

RP-08 2000-06-23 3 . 2 . 0

RP-09 2000-10-11 3 . 3 . 0

RP-10 2000-12-22 3 . 4 . 0

edito 2001-01-09 3 . 4 . 1

RP-11 2001-04-05 3 . 5 . 0

RP-12 2001-06-29 3 . 6 . 0

RP-13 2001-10-03 3 . 7 . 0

RP-14 2002-01-16 3 . 8 . 0

RP-15 2002-03-29 3 . 9 . 0

RP-16 2002-07-04 3 . 10 . 0

RP-17 2002-10-04 3 . 11 . 0

RP-18 2003-01-10 3 . 12 . 0

RP-19 2003-04-04 3 . 13 . 0

*WG (prime / other):* R4 / - *rapporteur:* NAKAMURA, Takaharu Fujitsu Limited

*G:* U: yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

[get it](#) *remarks - general:*  
*remarks - this release:*

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

# 3GPP specification status

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ACTIVE specs R99 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.142 Base Station (BS) conformance testing (TDD)

R99 *current version:* 3.13.0

*freeze\_meeting:* SP-06

*history (event, available, version, comments):*

RP-03	1999-04-23	0	.	0	.	0
RP-04	1999-06-23	0	.	0	.	1
RP-05	1999-10-13	2	.	0	.	0
RP-06	1999-12-12	3	.	0	.	0
RP-07	2000-03-15	3	.	1	.	0
RP-08	2000-06-23	3	.	2	.	0
edito	2000-07-31	3	.	2	.	1
RP-09	2000-10-11	3	.	3	.	0
RP-10	2000-12-22	3	.	4	.	0
RP-11	2001-04-05	3	.	5	.	0
RP-12	2001-06-29	3	.	6	.	0
RP-13	2001-10-03	3	.	7	.	0
RP-14	2002-01-16	3	.	8	.	0
RP-15	2002-03-29	3	.	9	.	0
RP-16	2002-07-04	3	.	10	.	0
RP-17	2002-10-04	3	.	11	.	0
RP-18	2003-01-10	3	.	12	.	0
RP-19	2003-04-04	3	.	13	.	0

*WG (prime / other):* R4 / - *rapporteur:* MEYER, Juergen SIEMENS AG  
*G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
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## TS 25.201 Physical layer - general description

R99 *current version:* 3.4.0

*freeze\_meeting:* SP-05

*history (event, available, version, comments):*

Table of Contents and Scope	1998-10-16	0	.	0	.	0
First complete draft	1999-02-15	1	.	0	.	0
RP-03	1999-04-23	2	.	0	.	0
RP-04	1999-06-23	2	.	1	.	0
RP-05	1999-10-13	3	.	0	.	0
RP-07	2000-03-15	3	.	0	.	2
RP-08	2000-06-23	3	.	1	.	0
RP-14	2002-01-09	3	.	2	.	0
RP-15	2002-03-29	3	.	3	.	0
RP-16	2002-06-28	3	.	4	.	0

*WG (prime / other):* R1 / - *rapporteur:* GERSTENBERGER, Dirk Telefon AB LM Ericsson  
*G:* *U:* yes *MCC:* SASAKI, Tsukasa

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs R99 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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<b>TS 25.211</b>	<b>Physical channels and mapping of transport channels onto physical channels (FDD)</b>							
R99	<i>current version:</i> 3.12.0				<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> PARKVALL, Stefan	Ericsson AB	
	<i>freeze_meeting:</i> SP-05				<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa		
<i>history (event, available, version, comments):</i>								
Table of Contents	1999-02-04	0	. 0	. 0	<a href="#">get it</a>	<i>remarks - general:</i>		
and Scope						<i>remarks - this release:</i>		
First complete draft	1999-03-04	1	. 0	. 0	<a href="#">get it</a>			
RP-03	1999-04-23	2	. 0	. 0	<a href="#">get it</a>			
RP-04	1999-06-23	2	. 1	. 0	<a href="#">get it</a>			
RP-05	1999-10-13	3	. 0	. 0	<a href="#">get it</a>			
RP-06	1999-12-12	3	. 1	. 0	<a href="#">get it</a>			
RP-07	2000-03-15	3	. 2	. 0	<a href="#">get it</a>			
RP-08	2000-06-23	3	. 3	. 0	<a href="#">get it</a>			
RP-09	2000-10-18	3	. 4	. 0	<a href="#">get it</a>			
RP-10	2000-12-22	3	. 5	. 0	<a href="#">get it</a>			
RP-11	2001-04-05	3	. 6	. 0	<a href="#">get it</a>			
RP-12	2001-06-28	3	. 7	. 0	<a href="#">get it</a>			
RP-13	2001-10-08	3	. 8	. 0	<a href="#">get it</a>			
RP-14	2002-01-09	3	. 9	. 0	<a href="#">get it</a>			
RP-15	2002-03-29	3	. 10	. 0	<a href="#">get it</a>			
RP-16	2002-06-28	3	. 11	. 0	<a href="#">get it</a>			
RP-17	2002-09-27	3	. 12	. 0	<a href="#">get it</a>			

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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ACTIVE specs R99 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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**TS 25.212 Multiplexing and channel coding (FDD)**

R99 *current version:* 3.11.0

*freeze\_meeting:* SP-05

*history (event, available, version, comments):*

Table of Contents 1999-02-04 0 . 0 . 0

and Scope

RP-03 1999-04-23 1 . 0 . 0

RP-04 1999-06-23 2 . 0 . 0

RP-05 1999-10-13 3 . 0 . 0

RP-06 1999-12-12 3 . 1 . 0

RP-07 2000-03-15 3 . 2 . 0

RP-08 2000-06-23 3 . 3 . 0

RP-09 2000-10-18 3 . 4 . 0

RP-10 2000-12-22 3 . 5 . 0

RP-12 2001-06-28 3 . 6 . 0

RP-13 2001-10-08 3 . 7 . 0

RP-14 2002-01-09 3 . 8 . 0

RP-15 2002-03-29 3 . 9 . 0

RP-16 2002-06-28 3 . 10 . 0

RP-17 2002-09-27 3 . 11 . 0

*WG (prime / other):* R1 / - *rapporteur:* MICHEL, Jürgen SIEMENS AG  
*G:* *U:* yes *MCC:* SASAKI, Tsukasa

[get it](#) *remarks - general:*  
*remarks - this release:*

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G = required in systems with GERAN acces; U = required in systems with UMTS access.



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ACTIVE specs R99 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.213 Spreading and modulation (FDD)

R99 *current version:* 3.9.0 *WG (prime / other):* R1 / - *rapporteur:* WILLENEGGER, Serge QUALCOMM EUROPE S.A.R.L.  
*freeze\_meeting:* SP-05 *G:* U: yes *MCC:* SASAKI, Tsukasa

*history (event, available, version, comments):*

draft	1999-02-04	0	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
draft	1999-03-04	1	.	0	.	0		<a href="#">get it</a>	<i>remarks - this release:</i>
RP-03	1999-04-23	2	.	0	.	0		<a href="#">get it</a>	
RP-04	1999-06-23	2	.	1	.	0		<a href="#">get it</a>	
RP-05	1999-10-13	3	.	0	.	0		<a href="#">get it</a>	
RP-06	1999-12-12	3	.	1	.	0		<a href="#">get it</a>	
RP-07	2000-03-15	3	.	2	.	0		<a href="#">get it</a>	
RP-08	2000-06-23	3	.	3	.	0		<a href="#">get it</a>	
RP-10	2000-12-22	3	.	4	.	0		<a href="#">get it</a>	
RP-11	2001-04-05	3	.	5	.	0		<a href="#">get it</a>	
RP-12	2001-06-28	3	.	6	.	0		<a href="#">get it</a>	
RP-14	2002-01-09	3	.	7	.	0		<a href="#">get it</a>	
RP-16	2002-06-28	3	.	8	.	0		<a href="#">get it</a>	
RP-22	2004-01-14	3	.	9	.	0		<a href="#">get it</a>	

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## TS 25.214 Physical layer procedures (FDD)

R99 *current version:* 3.12.0 *WG (prime / other):* R1 / - *rapporteur:* BOUMENDIL, Sarah NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* SP-05 *G:* U: yes *MCC:* SASAKI, Tsukasa

*history (event, available, version, comments):*

RP-03	1999-04-23	1	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
RP-05	1999-10-13	3	.	0	.	0		<a href="#">get it</a>	<i>remarks - this release:</i>
RP-06	1999-12-12	3	.	1	.	0		<a href="#">get it</a>	
RP-07	2000-03-15	3	.	2	.	0		<a href="#">get it</a>	
RP-08	2000-06-23	3	.	3	.	0		<a href="#">get it</a>	
RP-09	2000-10-18	3	.	4	.	0		<a href="#">get it</a>	
RP-10	2000-12-22	3	.	5	.	0		<a href="#">get it</a>	
RP-11	2001-04-05	3	.	6	.	0		<a href="#">get it</a>	
RP-12	2001-06-28	3	.	7	.	0		<a href="#">get it</a>	
RP-13	2001-10-08	3	.	8	.	0		<a href="#">get it</a>	
RP-14	2002-01-09	3	.	9	.	0		<a href="#">get it</a>	
RP-15	2002-03-29	3	.	10	.	0		<a href="#">get it</a>	
RP-17	2002-09-27	3	.	11	.	0		<a href="#">get it</a>	
RP-19	2003-04-04	3	.	12	.	0		<a href="#">get it</a>	

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs R99 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.215 Physical layer; Measurements (FDD)

R99 *current version:* 3.12.0

*freeze\_meeting:* SP-05

*WG (prime / other):* R1 / -

*rapporteur:* SUZUKI, Hidetoshi

Panasonic Mobile Communications Co.,Ltd.

*G:* U: yes

*MCC:* SASAKI, Tsukasa

*history (event, available, version, comments):*

RP-05	1999-10-13	3	.	0	.	0
RP-06	1999-12-12	3	.	1	.	0
RP-07	2000-03-15	3	.	2	.	0
RP-08	2000-06-23	3	.	3	.	0
RP-09	2000-10-18	3	.	4	.	0
RP-10	2000-12-22	3	.	5	.	0
RP-11	2001-04-05	3	.	6	.	0
RP-12	2001-06-28	3	.	7	.	0
RP-13	2001-10-08	3	.	8	.	0
RP-14	2002-01-09	3	.	9	.	0
RP-15	2002-03-29	3	.	10	.	0
RP-17	2002-09-27	3	.	11	.	0
RP-20	2003-06-27	3	.	12	.	0

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*remarks - this release:*

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## TS 25.221 Physical channels and mapping of transport channels onto physical channels (TDD)

R99 *current version:* 3.11.0

*freeze\_meeting:* SP-05

*WG (prime / other):* R1 / -

*rapporteur:* CHAPMAN, Thomas

SIEMENS AG

*G:* U: yes

*MCC:* SASAKI, Tsukasa

*history (event, available, version, comments):*

Table of Contents	1999-02-04	0	.	0	.	0
and Scope						
RP-03	1999-04-23	1	.	0	.	0
RP-04	1999-06-23	1	.	1	.	0
RP-05	1999-10-13	3	.	0	.	0
RP-06	1999-12-12	3	.	1	.	0
RP-07	2000-03-15	3	.	2	.	0
RP-08	2000-06-23	3	.	3	.	0
RP-09	2000-10-18	3	.	4	.	0
RP-10	2000-12-22	3	.	5	.	0
RP-11	2001-04-05	3	.	6	.	0
RP-12	2001-06-28	3	.	7	.	0
RP-13	2001-10-08	3	.	8	.	0
RP-14	2002-01-09	3	.	9	.	0
RP-15	2002-03-29	3	.	10	.	0
RP-17	2002-09-27	3	.	11	.	0

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*remarks - this release:*

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs R99 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.222 Multiplexing and channel coding (TDD)

R99 *current version:* 3.10.0

*freeze\_meeting:* SP-05

*history (event, available, version, comments):*

Table of Contents 1999-02-04 0 . 0 . 0

and Scope

RP-03 1999-04-23 1 . 0 . 0

RP-04 1999-06-23 2 . 0 . 0

RP-05 1999-10-13 3 . 0 . 0

RP-06 1999-12-12 3 . 1 . 0

RP-07 2000-03-15 3 . 2 . 0

edito 2000-05-03 3 . 2 . 1

RP-08 2000-06-23 3 . 3 . 0

RP-09 2000-10-18 3 . 4 . 0

RP-10 2000-12-22 3 . 5 . 0

RP-11 2001-04-05 3 . 6 . 0

RP-13 2001-10-08 3 . 7 . 0

RP-15 2002-03-29 3 . 8 . 0

RP-16 2002-06-28 3 . 9 . 0

RP-17 2002-09-27 3 . 10 . 0

WG (prime / other): R1 / - *rapporteur:* BEALE, Martin IPWireless Inc.

G: U: yes *MCC:* SASAKI, Tsukasa

[get it](#) *remarks - general:*  
*remarks - this release:*

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs R99 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.223 Spreading and modulation (TDD)

R99 *current version:* 3.8.0

*freeze\_meeting:* SP-05

*history (event, available, version, comments):*

Creation of WI by	1999-01-15	0	.	0	.	0
WG/TB						
First complete draft	1999-03-04	1	.	0	.	0
RP-03	1999-04-23	2	.	0	.	0
RP-04	1999-06-23	2	.	1	.	0
RP-05	1999-10-13	3	.	0	.	0
RP-06	1999-12-12	3	.	1	.	0
RP-07	2000-03-15	3	.	2	.	0
RP-08	2000-06-23	3	.	3	.	0
RP-09	2000-10-18	3	.	4	.	0
RP-11	2001-04-05	3	.	5	.	0
RP-12	2001-06-28	3	.	6	.	0
RP-13	2001-10-08	3	.	7	.	0
RP-15	2002-03-29	3	.	8	.	0

WG (prime / other): R1 / - *rapporteur:* ANDERSON, Nicholas IPWireless Inc.  
G: U: yes *MCC:* SASAKI, Tsukasa

[get it](#) *remarks - general:*  
*remarks - this release:*  
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G = required in systems with GERAN access; U = required in systems with UMTS access.

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ACTIVE specs R99 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.224 Physical layer procedures (TDD)

R99	<i>current version:</i> 3.13.0		
	<i>freeze_meeting:</i> SP-05		
<i>history (event, available, version, comments):</i>			
Table of Contents	1999-02-04	0	. 0 . 0
and Scope			
RP-03	1999-04-23	1	. 0 . 0
RP-05	1999-10-13	3	. 0 . 0
RP-06	1999-12-12	3	. 1 . 0
RP-07	2000-03-15	3	. 2 . 0
RP-08	2000-06-23	3	. 3 . 0
RP-09	2000-10-18	3	. 4 . 0
RP-10	2000-12-22	3	. 5 . 0
RP-11	2001-04-05	3	. 6 . 0
RP-12	2001-06-28	3	. 7 . 0
RP-13	2001-10-08	3	. 8 . 0
RP-14	2002-01-09	3	. 9 . 0
RP-15	2002-03-29	3	. 10 . 0
RP-17	2002-09-27	3	. 11 . 0
RP-18	2003-01-07	3	. 12 . 0
RP-21	2003-09-29	3	. 13 . 0

WG (prime / other): R1 / - *rapporteur:* RUDOLF, Marian  
G: U: yes *MCC:* SASAKI, Tsukasa

INTERDIGITAL COMMUNICATIONS CORPORATION

[get it](#) *remarks - general:*  
*remarks - this release:*

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 25.225</b>	<b>Physical layer; Measurements (TDD)</b>						
R99	<i>current version:</i> 3.12.0						
	<i>freeze_meeting:</i> SP-05						
	<i>history (event, available, version, comments):</i>						
	RP-05	1999-10-13	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	RP-06	1999-12-12	3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	RP-07	2000-03-15	3 . 2 . 0	<a href="#">get it</a>			
	RP-08	2000-06-23	3 . 3 . 0	<a href="#">get it</a>			
	RP-09	2000-10-18	3 . 4 . 0	<a href="#">get it</a>			
	RP-10	2000-12-22	3 . 5 . 0	<a href="#">get it</a>			
	RP-11	2001-04-05	3 . 6 . 0	<a href="#">get it</a>			
	RP-12	2001-06-28	3 . 7 . 0	<a href="#">get it</a>			
	RP-13	2001-10-08	3 . 8 . 0	<a href="#">get it</a>			
	RP-14	2002-01-09	3 . 9 . 0	<a href="#">get it</a>			
	RP-16	2002-06-28	3 . 10 . 0	<a href="#">get it</a>			
	RP-17	2002-09-27	3 . 11 . 0	<a href="#">get it</a>			
	RP-20	2003-06-27	3 . 12 . 0	<a href="#">get it</a>			
<hr/>							
<b>TS 25.301</b>	<b>Radio Interface Protocol Architecture</b>						
R99	<i>current version:</i> 3.11.0						
	<i>freeze_meeting:</i> SP-03						
	<i>history (event, available, version, comments):</i>						
	Table of Contents	1999-02-04	0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	and Scope				<i>remarks - this release:</i>		
	First complete draft	1999-03-04	1 . 0 . 0	<a href="#">get it</a>			
	WG approval	1999-04-16	2 . 0 . 0	<a href="#">get it</a>			
	RP-03	1999-04-23	3 . 0 . 0	<a href="#">get it</a>			
	RP-04	1999-06-23	3 . 1 . 0	<a href="#">get it</a>			
	RP-05	1999-10-13	3 . 2 . 0	<a href="#">get it</a>			
	RP-06	1999-12-17	3 . 3 . 0	<a href="#">get it</a>			
	RP-07	2000-03-15	3 . 4 . 0	<a href="#">get it</a>			
	RP-08	2000-06-30	3 . 5 . 0	<a href="#">get it</a>			
	RP-09	2000-10-16	3 . 6 . 0	<a href="#">get it</a>			
	RP-11	2001-03-27	3 . 7 . 0	<a href="#">get it</a>			
	RP-12	2001-06-19	3 . 8 . 0	<a href="#">get it</a>			
	RP-14	2002-01-04	3 . 9 . 0	<a href="#">get it</a>			
	RP-16	2002-06-17	3 . 10 . 0	<a href="#">get it</a>			
	RP-17	2002-09-18	3 . 11 . 0	<a href="#">get it</a>			

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 25.302 Services provided by the physical layer

R99 *current version:* 3.16.0

*freeze\_meeting:* SP-05

*WG (prime / other):* R2 / - *rapporteur:* MIHAILESCU, Claudiu NORTEL NETWORKS (EUROPE)

*G:* U: yes *MCC:* ARZELIER, Claude

*history (event, available, version, comments):*

Table of Contents and Scope	1999-02-04	0	.	0	.	0
First complete draft	1999-03-04	1	.	0	.	0
RP-03	1999-04-23	2	.	0	.	0
RP-04	1999-06-23	2	.	3	.	0
RP-05	1999-10-13	3	.	1	.	0
RP-06	1999-12-12	3	.	2	.	0
RP-07	2000-03-15	3	.	4	.	0
RP-08	2000-06-23	3	.	5	.	0
RP-09	2000-10-16	3	.	6	.	0
RP-10	2000-12-20	3	.	7	.	0
RP-11	2001-03-27	3	.	8	.	0
RP-12	2001-06-19	3	.	9	.	0
RP-13	2001-10-02	3	.	10	.	0
RP-14	2002-01-04	3	.	11	.	0
RP-15	2002-03-19	3	.	12	.	0
RP-16	2002-06-17	3	.	13	.	0
RP-17	2002-09-18	3	.	14	.	0
RP-18	2002-12-20	3	.	15	.	0
RP-21	2003-10-02	3	.	16	.	0

[get it](#)

*remarks - general:*

V3.0.0 approved via e-mail July 99 CR at TSG#5?

*remarks - this release:*

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs R99 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.303 Interlayer procedures in Connected Mode

R99 *current version:* 3.12.0

*freeze\_meeting:* SP-04

WG (prime / other): R2 / - *rapporteur:* RINNE, Mikko J Nokia Research Center  
G: U: yes *MCC:* ARZELIER, Claude

*history (event, available, version, comments):*

Table of Contents	1999-02-04	0	.	0	.	0
and Scope						
First complete draft	1999-03-04	1	.	0	.	0
RP-03	1999-04-23	2	.	0	.	0
RP-04	1999-06-23	3	.	0	.	0
RP-05	1999-10-13	3	.	1	.	0
RP-06	1999-12-12	3	.	2	.	0
RP-07	2000-03-15	3	.	3	.	0
RP-08	2000-06-23	3	.	4	.	0
RP-09	2000-10-16	3	.	5	.	0
RP-10	2000-12-20	3	.	6	.	0
RP-11	2001-03-27	3	.	7	.	0
RP-12	2001-06-19	3	.	8	.	0
RP-13	2001-10-02	3	.	9	.	0
RP-14	2002-01-04	3	.	10	.	0
RP-15	2002-03-19	3	.	11	.	0
RP-16	2002-06-17	3	.	12	.	0

[get it](#) *remarks - general:*  
*remarks - this release:*

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G = required in systems with GERAN acces; U = required in systems with UMTS access.



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Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.304 User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode

R99 *current version:* 3.14.0 *WG (prime / other):* R2 / - *rapporteur:* MAHKONEN, Marko NOKIA Corporation  
*freeze\_meeting:* SP-05 *G:* U: yes *MCC:* ARZELIER, Claude

*history (event, available, version, comments):*

Start of work	1999-01-15	0	.	1	.	1		<a href="#">get it</a>	<i>remarks - general:</i>
RP-03	1999-04-23	1	.	0	.	0		<a href="#">get it</a>	<i>remarks - this release:</i>
RP-04	1999-06-23	1	.	2	.	0		<a href="#">get it</a>	
RP-05	1999-10-13	3	.	0	.	0		<a href="#">get it</a>	
RP-06	1999-12-12	3	.	1	.	0		<a href="#">get it</a>	
RP-07	2000-03-15	3	.	2	.	0		<a href="#">get it</a>	
RP-08	2000-06-23	3	.	3	.	0		<a href="#">get it</a>	
RP-09	2000-10-16	3	.	4	.	0		<a href="#">get it</a>	
RP-10	2000-12-22	3	.	5	.	0		<a href="#">get it</a>	
RP-11	2001-03-27	3	.	6	.	0		<a href="#">get it</a>	
RP-12	2001-06-27	3	.	7	.	0		<a href="#">get it</a>	
RP-13	2001-10-02	3	.	8	.	0		<a href="#">get it</a>	
RP-14	2002-01-04	3	.	9	.	0		<a href="#">get it</a>	
RP-15	2002-03-19	3	.	10	.	0		<a href="#">get it</a>	
RP-16	2002-06-17	3	.	11	.	0		<a href="#">get it</a>	
RP-18	2003-01-08	3	.	12	.	0		<a href="#">get it</a>	
RP-20	2003-06-25	3	.	13	.	0		<a href="#">get it</a>	
RP-23	2004-03-24	3	.	14	.	0		<a href="#">get it</a>	

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs R99 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.305 User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2

R99 *current version:* 3.11.0 *WG (prime / other):* R2 / - *rapporteur:* MIHAILESCU, Claudiu NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* RP-07 *G:* U: yes *MCC:* ARZELIER, Claude

*history (event, available, version, comments):*

RP-05	1999-10-13	1	4	0	
RP-06	1999-12-17	3	0	0	<a href="#">get it</a> <i>remarks - general:</i> Created from 25.923
RP-07	2000-03-15	3	1	0	<a href="#">get it</a> <i>remarks - this release:</i>
RP-08	2000-06-23	3	2	0	<a href="#">get it</a>
RP-09	2000-10-16	3	3	0	<a href="#">get it</a>
RP-10	2000-12-22	3	4	0	<a href="#">get it</a>
RP-11	2001-03-27	3	5	0	<a href="#">get it</a>
RP-12	2001-06-19	3	6	0	<a href="#">get it</a>
RP-14	2002-01-04	3	7	0	<a href="#">get it</a>
RP-15	2002-03-19	3	8	0	<a href="#">get it</a>
RP-20	2003-06-20	3	9	0	<a href="#">get it</a>
RP-21	2003-10-02	3	10	0	<a href="#">get it</a>
RP-22	2004-01-12	3	11	0	<a href="#">get it</a>

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## TS 25.306 UE Radio Access capabilities definition

R99 *current version:* 3.10.0 *WG (prime / other):* R2 / - *rapporteur:* BERGGREN, Anders Ericsson Incorporated  
*freeze\_meeting:* SP-10 *G:* U: yes *MCC:* ARZELIER, Claude

*history (event, available, version, comments):*

RP-10	2000-12-22	3	0	0	
RP-11	2001-03-27	3	1	0	<a href="#">get it</a> <i>remarks - general:</i> Converted from TR 25.926 at TSG#10.
RP-12	2001-06-19	3	2	0	<a href="#">get it</a> <i>remarks - this release:</i> Converted from TR 25.926 v3.2.0 Nov 00.
RP-13	2001-10-02	3	3	0	<a href="#">get it</a>
RP-14	2002-01-04	3	4	0	<a href="#">get it</a>
RP-15	2002-03-19	3	5	0	<a href="#">get it</a>
RP-16	2002-06-17	3	6	0	<a href="#">get it</a>
RP-18	2003-01-08	3	7	0	<a href="#">get it</a>
RP-20	2003-06-20	3	8	0	<a href="#">get it</a>
RP-21	2003-10-02	3	9	0	<a href="#">get it</a>
RP-22	2004-01-12	3	10	0	<a href="#">get it</a>

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 25.307 Requirements on UEs supporting a release-independent frequency band

R99 *current version:* 3.3.0 *WG (prime / other):* R2 / R4 *rapporteur:* FAUCONNIER, Denis NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* RP-13 *G:* *U:* yes *MCC:* ARZELIER, Claude

*history (event, available, version, comments):*

RP-12 2001-06-27 2 . 0 . 0 RP-010326, to be approved RP-13. [get it](#) *remarks - general:* Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4  
RP-13 2001-10-01 2 . 1 . 0 RP-010557, but not for approval? - debate! [get it](#) *remarks - this release:* Expect continual updates each time a new band is

allowed.= RF & RMM requirements.

RP-13 2001-10-02 3 . 0 . 0 Was approved after all! [get it](#)  
RP-14 2002-01-04 3 . 1 . 0 [get it](#)  
RP-22 2004-01-12 3 . 2 . 0 [get it](#)  
RP-23 2004-03-24 3 . 3 . 0 [get it](#)

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## TS 25.321 Medium Access Control (MAC) protocol specification

R99 *current version:* 3.16.0 *WG (prime / other):* R2 / - *rapporteur:* STADLER, Thomas SIEMENS AG  
*freeze\_meeting:* TP-04 *G:* *U:* yes *MCC:* ARZELIER, Claude

*history (event, available, version, comments):*

Table of Contents 1999-02-04 0 . 0 . 0 [get it](#) *remarks - general:*

and Scope

draft 1999-03-04 1 . 0 . 0 [get it](#)  
RP-03 1999-04-23 2 . 0 . 0 [get it](#)  
RP-04 1999-06-23 3 . 0 . 0 [get it](#)  
RP-05 1999-10-13 3 . 1 . 0 [get it](#)  
RP-06 1999-12-12 3 . 2 . 0 [get it](#)  
RP-07 2000-03-15 3 . 3 . 0 [get it](#)  
RP-08 2000-06-23 3 . 4 . 0 [get it](#)  
RP-09 2000-10-16 3 . 5 . 0 [get it](#)  
RP-10 2000-12-20 3 . 6 . 0 [get it](#)  
RP-11 2001-03-27 3 . 7 . 0 [get it](#)  
RP-12 2001-06-19 3 . 8 . 0 [get it](#)  
RP-13 2001-10-02 3 . 9 . 0 [get it](#)  
RP-14 2002-01-04 3 . 10 . 0 [get it](#)  
RP-15 2002-03-19 3 . 11 . 0 [get it](#)  
RP-16 2002-06-17 3 . 12 . 0 [get it](#)  
RP-17 2002-09-18 3 . 13 . 0 [get it](#)  
RP-18 2003-01-08 3 . 14 . 0 [get it](#)  
RP-19 2003-03-25 3 . 15 . 0 [get it](#)  
RP-21 2003-10-02 3 . 16 . 0 [get it](#)

*remarks - this release:*

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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ACTIVE specs R99 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.322 Radio Link Control (RLC) protocol specification

R99 *current version:* 3.17.0

*freeze\_meeting:* SP-05

*history (event, available, version, comments):*

Table of Contents 1999-02-04 0 . 0 . 0

and Scope

RP-03 1999-04-23 1 . 0 . 0

RP-04 1999-06-23 1 . 1 . 0

RP-05 1999-10-13 3 . 0 . 0

RP-06 1999-12-17 3 . 1 . 0

RP-07 2000-03-15 3 . 2 . 0

RP-08 2000-06-23 3 . 3 . 0

RP-09 2000-10-16 3 . 4 . 0

RP-10 2000-12-20 3 . 5 . 0

RP-11 2001-03-27 3 . 6 . 0

RP-12 2001-06-19 3 . 7 . 0

RP-13 2001-10-03 3 . 8 . 0

RP-14 2002-01-04 3 . 9 . 0

RP-15 2002-03-19 3 . 10 . 0

RP-16 2002-06-17 3 . 11 . 0

RP-17 2002-09-19 3 . 12 . 0

RP-18 2003-01-10 3 . 13 . 0

RP-19 2003-03-25 3 . 14 . 0

RP-20 2003-06-20 3 . 15 . 0

RP-21 2003-10-02 3 . 16 . 0

RP-22 2004-01-12 3 . 17 . 0

WG (prime / other): R2 / - *rapporteur:* MADELAINE, Sebastien PHILIPS CONSUMER COMMUNICATION

G: U: yes *MCC:* ARZELIER, Claude

[get it](#) *remarks - general:*  
*remarks - this release:*

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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ACTIVE specs R99 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.323 Packet Data Convergence Protocol (PDCP) specification

R99 *current version:* 3.10.0

*freeze\_meeting:* SP-06

*history (event, available, version, comments):*

RP-05	1999-10-13	0	.	1	.	0
RP-06	1999-12-17	3	.	0	.	0
RP-07	2000-03-15	3	.	1	.	0
RP-08	2000-06-23	3	.	2	.	0
RP-09	2000-10-06	3	.	3	.	0
RP-11	2001-03-27	3	.	4	.	0
RP-12	2001-06-19	3	.	5	.	0
RP-13	2001-10-02	3	.	6	.	0
RP-14	2002-01-04	3	.	7	.	0
RP-15	2002-03-19	3	.	8	.	0
RP-16	2002-06-17	3	.	9	.	0
RP-17	2002-09-18	3	.	10	.	0

*WG (prime / other):* R2 / - *rapporteur:* HANS, Martin INFINEON TECHNOLOGIES

*G:* *U:* yes *MCC:* ARZELIER, Claude

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*

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## TS 25.324 Broadcast/Multicast Control (BMC)

R99 *current version:* 3.7.0

*freeze\_meeting:* SP-06

*history (event, available, version, comments):*

RP-05	1999-10-13	0	.	1	.	0
RP-06	1999-12-17	3	.	0	.	0
RP-07	2000-03-15	3	.	1	.	0
RP-09	2000-10-06	3	.	2	.	0
RP-10	2000-12-20	3	.	3	.	0
RP-11	2001-03-27	3	.	4	.	0
RP-16	2002-06-17	3	.	5	.	0
RP-18	2003-01-13	3	.	6	.	0
RP-19	2003-03-25	3	.	7	.	0

*WG (prime / other):* R2 / - *rapporteur:* HARTL, Mike Vodafone D2 GmbH

*G:* *U:* yes *MCC:* ARZELIER, Claude

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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ACTIVE specs R99 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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**TS 25.331 Radio Resource Control (RRC) protocol specification**

R99 *current version:* 3.18.0

*freeze\_meeting:* SP-05

*history (event, available, version, comments):*

Table of Contents 1999-02-04 0 . 0 . 0  
and Scope

First complete draft 1999-03-04 1 . 0 . 0

RP-04 1999-06-23 1 . 1 . 0

RP-05 1999-10-13 3 . 0 . 0

RP-06 1999-12-12 3 . 1 . 0

RP-07 2000-03-15 3 . 2 . 0

RP-08 2000-06-23 3 . 3 . 0

RP-09 2000-10-06 3 . 4 . 0

removal of CR 520 2000-10-06 3 . 4 . 1

RP-10 2000-12-21 3 . 5 . 0

RP-11 2001-03-27 3 . 6 . 0

RP-12 2001-06-27 3 . 7 . 0

RP-13 2001-10-01 3 . 8 . 0

RP-14 2002-01-04 3 . 9 . 0

RP-15 2002-03-25 3 . 10 . 0

RP-16 2002-06-17 3 . 11 . 0

RP-17 2002-09-18 3 . 12 . 0

RP-18 2003-01-09 3 . 13 . 0

RP-19 2003-03-25 3 . 14 . 0

RP-20 2003-06-20 3 . 15 . 0

RP-21 2003-10-02 3 . 16 . 0

RP-22 2004-01-12 3 . 17 . 0

RP-23 2004-03-24 3 . 18 . 0

*WG (prime / other):* R2 / - *rapporteur:* KUCHIBHOTLA, Ravi MOTOROLA Ltd

*G:* U: yes *MCC:* ARZELIER, Claude

[get it](#) *remarks - general:*  
*remarks - this release:*

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

# 3GPP specification status

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ACTIVE specs R99 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.401 UTRAN overall description

R99 *current version:* 3.10.0

*freeze\_meeting:* SP-05

*WG (prime / other):* R3 / - *rapporteur:* GODIN, Philippe NORTEL NETWORKS (EUROPE)

*G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

Table of Contents and Scope	1999-02-04	0	.	0	.	0
First complete draft	1999-03-04	1	.	0	.	0
RP-04	1999-06-23	1	.	1	.	1
RP-05	1999-10-13	3	.	0	.	0
RP-06	1999-12-17	3	.	1	.	0
RP-07	2000-03-15	3	.	2	.	0
RP-08	2000-06-23	3	.	3	.	0
RP-09	2000-10-05	3	.	4	.	0
RP-10	2000-12-21	3	.	5	.	0
RP-11	2001-04-06	3	.	6	.	0
RP-12	2001-07-06	3	.	7	.	0
RP-13	2001-10-12	3	.	8	.	0
RP-15	2002-04-02	3	.	9	.	0
RP-16	2002-06-28	3	.	10	.	0

[get it](#) *remarks - general:* Approval at TSG#5  
*remarks - this release:*

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## TS 25.402 Synchronisation in UTRAN Stage 2

R99 *current version:* 3.10.0

*freeze\_meeting:* SP-06

*WG (prime / other):* R3 / - *rapporteur:* KUNZ, Walter SIEMENS AG

*G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

RP-05	1999-10-13	0	.	0	.	1
RP-06	1999-12-17	3	.	0	.	0
RP-07	2000-03-17	3	.	1	.	0
RP-08	2000-06-23	3	.	2	.	0
RP-09	2000-10-05	3	.	3	.	0
RP-10	2000-12-22	3	.	4	.	0
RP-11	2001-04-06	3	.	5	.	0
RP-12	2001-07-06	3	.	6	.	0
RP-13	2001-10-12	3	.	7	.	0
RP-14	2002-01-11	3	.	8	.	0
RP-15	2002-04-02	3	.	9	.	0
RP-16	2002-06-28	3	.	10	.	0

[get it](#) *remarks - general:* New  
*remarks - this release:*

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G = required in systems with GERAN access; U = required in systems with UMTS access.

# 3GPP specification status

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ACTIVE specs R99 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.410 UTRAN Iu Interface: General Aspects and Principles

R99 *current version:* 3.8.0

*freeze\_meeting:* SP-05

*WG (prime / other):* R3 / - *rapporteur:* DIESEN, Michael MOTOROLA Ltd

*G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

draft	1999-03-04	0	.	0	.	0
RP-03	1999-04-23	0	.	1	.	0
RP-04	1999-06-23	0	.	2	.	1
RP-05	1999-10-13	3	.	0	.	0
RP-06	1999-12-12	3	.	1	.	0
RP-07	2000-03-15	3	.	2	.	0
RP-10	2000-12-21	3	.	3	.	0
RP-12	2001-07-06	3	.	4	.	0
RP-13	2001-10-12	3	.	5	.	0
RP-14	2002-01-11	3	.	6	.	0
RP-16	2002-06-28	3	.	7	.	0
RP-17	2002-09-30	3	.	8	.	0

[get it](#) *remarks - general:* Approval at TSG#5

[get it](#) *remarks - this release:*

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## TS 25.411 UTRAN Iu interface layer 1

R99 *current version:* 3.5.0

*freeze\_meeting:* SP-04

*WG (prime / other):* R3 / - *rapporteur:* KUNZ, Walter SIEMENS AG

*G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

RP-03	1999-04-23	0	.	0	.	0
TB adoption of WI	1999-01-15	0	.	0	.	0
Creation of WI by WG/TB	1999-01-15	0	.	0	.	0
RP-04	1999-06-23	3	.	0	.	0
RP-06	1999-12-12	3	.	1	.	0
RP-07	2000-03-15	3	.	2	.	0
RP-10	2000-12-21	3	.	3	.	0
RP-11	2001-04-06	3	.	4	.	0
RP-12	2001-07-06	3	.	5	.	0

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:*

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G = required in systems with GERAN access; U = required in systems with UMTS access.



# 3GPP specification status

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ACTIVE specs R99 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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**TS 25.412 UTRAN Iu interface signalling transport**

R99 *current version:* 3.6.0

*freeze\_meeting:* SP-04

*history (event, available, version, comments):*

Table of Contents 1999-02-04 0 . 0 . 0

and Scope

RP-03 1999-04-23 1 . 0 . 0

RP-04 1999-06-23 3 . 0 . 0

RP-05 1999-10-13 3 . 1 . 0

RP-06 1999-12-17 3 . 2 . 0

RP-07 2000-03-15 3 . 3 . 0

RP-08 2000-06-23 3 . 4 . 0

RP-09 2000-10-05 3 . 5 . 0

RP-10 2000-12-21 3 . 6 . 0

*WG (prime / other):* R3 / - *rapporteur:* NG, Cheng Hock NEC Corporation

*G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

[get it](#) *remarks - general:*  
*remarks - this release:*

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G = required in systems with GERAN access; U = required in systems with UMTS access.

# 3GPP specification status

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ACTIVE specs R99 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.413 UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling

R99 *current version:* 3.14.0 *WG (prime / other):* R3 / - *rapporteur:* GUYOT, Olivier NOKIA Corporation  
*freeze\_meeting:* SP-06 *G:* U: yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

draft	1999-02-04	0	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
RP-03	1999-04-23	1	.	0	.	0		<a href="#">get it</a>	<i>remarks - this release:</i>
RP-04	1999-06-23	1	.	0	.	2		<a href="#">get it</a>	
RP-05	1999-10-13	1	.	3	.	1		<a href="#">get it</a>	
RP-06	1999-12-17	3	.	0	.	0		<a href="#">get it</a>	
RP-07	2000-03-15	3	.	1	.	0		<a href="#">get it</a>	
RP-08	2000-06-23	3	.	2	.	0		<a href="#">get it</a>	
RP-09	2000-10-05	3	.	3	.	0		<a href="#">get it</a>	
RP-10	2000-12-22	3	.	4	.	0		<a href="#">get it</a>	
RP-11	2001-04-06	3	.	5	.	0		<a href="#">get it</a>	
RP-12	2001-07-06	3	.	6	.	0		<a href="#">get it</a>	
RP-13	2001-10-12	3	.	7	.	0		<a href="#">get it</a>	
RP-14	2002-01-14	3	.	8	.	0		<a href="#">get it</a>	
RP-15	2002-04-02	3	.	9	.	0		<a href="#">get it</a>	
RP-16	2002-07-05	3	.	10	.	0		<a href="#">get it</a>	
RP-17	2002-09-30	3	.	11	.	0		<a href="#">get it</a>	
edito post RP-17	2002-10-03	3	.	11	.	1		<a href="#">get it</a>	
RP-18	2003-01-03	3	.	12	.	0		<a href="#">get it</a>	
RP-20	2003-06-17	3	.	13	.	0		<a href="#">get it</a>	
RP-21	2003-09-30	3	.	14	.	0		<a href="#">get it</a>	

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

# 3GPP specification status

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ACTIVE specs R99 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.414 UTRAN lu interface data transport & transport signalling

R99 *current version:* 3.13.0

*freeze\_meeting:* SP-04

*history (event, available, version, comments):*

draft	1999-02-04	0	.	0	.	0
draft	1999-03-04	1	.	0	.	0
RP-04	1999-06-23	3	.	0	.	0
RP-05	1999-10-13	3	.	1	.	0
RP-06	1999-12-12	3	.	2	.	0
RP-07	2000-03-15	3	.	3	.	0
RP-08	2000-06-23	3	.	4	.	0
RP-09	2000-10-05	3	.	5	.	0
RP-10	2000-12-21	3	.	6	.	0
RP-11	2001-04-06	3	.	7	.	0
RP-13	2001-10-12	3	.	8	.	0
RP-14	2002-01-14	3	.	9	.	0
RP-15	2002-04-02	3	.	10	.	0
RP-16	2002-06-28	3	.	11	.	0
RP-18	2003-01-03	3	.	12	.	0
RP-19	2003-03-26	3	.	13	.	0

*WG (prime / other):* R3 / - *rapporteur:* ISRAELSSON, Martin Telefon AB LM Ericsson

*G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:*

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

# 3GPP specification status

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ACTIVE specs R99 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.415 UTRAN lu interface user plane protocols

R99 *current version:* 3.12.0

*freeze\_meeting:* SP-05

*WG (prime / other):* R3 / - *rapporteur:* ISRAELSSON, Martin Telefon AB LM Ericsson

*G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

WG approval	1999-03-19	0	.	0	.	0
RP-03	1999-04-23	0	.	1	.	0
RP-04	1999-06-23	0	.	1	.	3
RP-05	1999-10-13	3	.	0	.	0
RP-06	1999-12-17	3	.	1	.	0
RP-07	2000-03-15	3	.	2	.	0
RP-08	2000-06-23	3	.	3	.	0
RP-09	2000-10-05	3	.	4	.	0
RP-10	2000-12-21	3	.	5	.	0
RP-11	2001-04-06	3	.	6	.	0
RP-12	2001-07-06	3	.	7	.	0
RP-13	2001-10-12	3	.	8	.	0
RP-14	2002-01-14	3	.	9	.	0
RP-15	2002-03-25	3	.	10	.	0
RP-16	2002-06-28	3	.	11	.	0
RP-17	2002-09-26	3	.	12	.	0

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:*

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

# 3GPP specification status

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ACTIVE specs R99 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.419 UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)

R99 *current version:* 3.11.0 *WG (prime / other):* R3 / - *rapporteur:* MCWILLIAMS, Brendan VODAFONE Group Plc  
*freeze\_meeting:* SP-07 *G:* U: yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

RP-06	1999-12-17	0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
RP-07		2 . 0 . 0		<i>remarks - this release:</i>
RP-07	2000-03-15	3 . 0 . 0	<a href="#">get it</a>	
RP-08	2000-06-23	3 . 1 . 0	<a href="#">get it</a>	
RP-09	2000-10-05	3 . 2 . 0	<a href="#">get it</a>	
RP-10	2000-12-21	3 . 3 . 0	<a href="#">get it</a>	
RP-11	2001-04-06	3 . 4 . 0	<a href="#">get it</a>	
RP-12	2001-07-06	3 . 5 . 0	<a href="#">get it</a>	
RP-13	2001-10-12	3 . 6 . 0	<a href="#">get it</a>	
RP-14	2002-01-11	3 . 7 . 0	<a href="#">get it</a>	
RP-15	2002-04-02	3 . 8 . 0	<a href="#">get it</a>	
RP-16	2002-06-28	3 . 9 . 0	<a href="#">get it</a>	
RP-17	2002-09-30	3 . 10 . 0	<a href="#">get it</a>	
RP-20	2003-06-17	3 . 11 . 0	<a href="#">get it</a>	

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## TS 25.420 UTRAN Iur Interface: General Aspects and Principles

R99 *current version:* 3.5.0 *WG (prime / other):* R3 / - *rapporteur:* PALAT, Sudeep Lucent Technologies Network Systems UK  
*freeze\_meeting:* SP-06 *G:* U: yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

RP-03	1999-04-23	0 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
RP-04	1999-06-23	0 . 1 . 3	<a href="#">get it</a>	<i>remarks - this release:</i>
RP-05	1999-10-13	1 . 0 . 1	<a href="#">get it</a>	
RP-06	1999-12-12	3 . 0 . 0	<a href="#">get it</a>	
RP-07	2000-03-15	3 . 1 . 0	<a href="#">get it</a>	
RP-09	2000-10-05	3 . 2 . 0	<a href="#">get it</a>	
RP-11	2001-04-05	3 . 3 . 0	<a href="#">get it</a>	
RP-14	2002-01-11	3 . 4 . 0	<a href="#">get it</a>	
RP-15	2002-04-02	3 . 5 . 0	<a href="#">get it</a>	

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

# 3GPP specification status

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ACTIVE specs R99 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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**TS 25.421 UTRAN lur interface Layer 1**

R99 *current version:* 3.1.0  
*freeze\_meeting:* SP-04  
*history (event, available, version, comments):*  
RP-03 1999-04-23 0 . 0 . 0  
RP-04 1999-06-23 3 . 0 . 0  
RP-11 2001-04-06 3 . 1 . 0

*WG (prime / other):* R3 / - *rapporteur:* KUNZ, Walter SIEMENS AG  
*G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)

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**TS 25.422 UTRAN lur interface signalling transport**

R99 *current version:* 3.6.1  
*freeze\_meeting:* SP-04  
*history (event, available, version, comments):*  
WG approval 1999-03-19 0 . 0 . 0  
RP-03 1999-04-23 0 . 1 . 0  
RP-04 1999-06-23 3 . 0 . 0  
RP-05 1999-10-13 3 . 1 . 0  
RP-06 1999-12-12 3 . 2 . 0  
RP-07 2000-03-15 3 . 3 . 0  
RP-08 2000-06-23 3 . 4 . 0  
edito 2000-10-05 3 . 4 . 1  
RP-10 2000-12-21 3 . 5 . 0  
RP-14 2002-01-11 3 . 6 . 0  
edito post RP-14 2002-04-02 3 . 6 . 1

*WG (prime / other):* R3 / - *rapporteur:* PALAT, Sudeep Lucent Technologies Network Systems UK  
*G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
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G = required in systems with GERAN acces; U = required in systems with UMTS access.

# 3GPP specification status

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ACTIVE specs R99 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.423 UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling

R99 current version: 3.14.0

WG (prime / other): R3 / - rapporteur: ERICSSON, Ingela Telefon AB LM Ericsson

freeze\_meeting: SP-06

G: U: yes MCC: CALDENHOVEN, Juergen

history (event, available, version, comments):

draft	1999-03-19	0	.	0	.	0
RP-03	1999-04-23	1	.	0	.	0
RP-04	1999-06-23	1	.	1	.	1
RP-05	1999-10-13	1	.	4	.	0
RP-06	1999-12-12	3	.	0	.	0
RP-07	2000-03-15	3	.	1	.	0
RP-08	2000-06-23	3	.	2	.	0
RP-09	2000-10-05	3	.	3	.	0
RP-10	2001-01-02	3	.	4	.	0
RP-11	2001-04-06	3	.	5	.	0
RP-12	2001-07-06	3	.	6	.	0
RP-13	2001-10-12	3	.	7	.	0
RP-14	2002-01-11	3	.	8	.	0
RP-15	2002-04-02	3	.	9	.	0
RP-16	2002-07-05	3	.	10	.	0
RP-17	2002-09-30	3	.	11	.	0
RP-18	2003-01-03	3	.	12	.	0
RP-19	2003-03-26	3	.	13	.	0
RP-21	2003-09-30	3	.	14	.	0

[get it](#) remarks - general:

[get it](#) remarks - this release:

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

# 3GPP specification status

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ACTIVE specs R99 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.424 UTRAN lur interface data transport & transport signalling for CCH data streams

R99 *current version:* 3.9.0 *WG (prime / other):* R3 / - *rapporteur:* DREVON, Nicolas ALCATEL S.A.  
*freeze\_meeting:* SP-04 *G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

WG approval	1999-03-19	0	0	0	<a href="#">get it</a> <i>remarks - general:</i>
RP-03	1999-04-23	1	0	0	<a href="#">get it</a> <i>remarks - this release:</i>
RP-04	1999-06-23	3	0	0	<a href="#">get it</a>
RP-06	1999-12-12	3	1	0	<a href="#">get it</a>
RP-05	1999-10-13	3	1	0	<a href="#">get it</a>
RP-07	2000-03-15	3	2	0	<a href="#">get it</a>
RP-08	2000-06-23	3	3	0	<a href="#">get it</a>
RP-09	2000-10-05	3	4	0	<a href="#">get it</a>
RP-10	2000-12-21	3	5	0	<a href="#">get it</a>
RP-11	2001-04-06	3	6	0	<a href="#">get it</a>
RP-14	2002-01-11	3	7	0	<a href="#">get it</a>
RP-15	2002-04-02	3	8	0	<a href="#">get it</a>
RP-16	2002-06-28	3	9	0	<a href="#">get it</a>

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## TS 25.425 UTRAN lur interface user plane protocols for CCH data streams

R99 *current version:* 3.8.0 *WG (prime / other):* R3 / - *rapporteur:* DREVON, Nicolas ALCATEL S.A.  
*freeze\_meeting:* SP-05 *G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

draft	1999-03-19	0	0	0	<a href="#">get it</a> <i>remarks - general:</i>
RP-03	1999-04-23	0	1	0	<a href="#">get it</a> <i>remarks - this release:</i>
RP-04	1999-06-23	0	2	0	<a href="#">get it</a>
RP-05	1999-10-13	0	2	5	<a href="#">get it</a>
RP-06	1999-12-12	3	0	0	<a href="#">get it</a>
RP-07	2000-03-15	3	1	0	<a href="#">get it</a>
RP-08	2000-06-23	3	2	0	<a href="#">get it</a>
RP-10	2000-12-21	3	3	0	<a href="#">get it</a>
RP-11	2001-04-06	3	4	0	<a href="#">get it</a>
RP-13	2001-10-12	3	5	0	<a href="#">get it</a>
RP-14	2002-01-11	3	6	0	<a href="#">get it</a>
RP-15	2002-04-02	3	7	0	<a href="#">get it</a>
RP-22	2004-01-13	3	8	0	<a href="#">get it</a>

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G = required in systems with GERAN acces; U = required in systems with UMTS access.



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ACTIVE specs R99 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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<b>TS 25.426</b>	<b>UTRAN lur and lub interface data transport &amp; transport signalling for DCH data streams</b>								
R99	<i>current version:</i> 3.9.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> KEKKI, Sami	NOKIA Corporation					
	<i>freeze_meeting:</i> SP-04	<i>G:</i> U: yes	<i>MCC:</i> CALDENHOVEN, Juergen						
<i>history (event, available, version, comments):</i>									
WG approval	1999-03-19	0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
RP-03	1999-04-23	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					
RP-04	1999-06-23	3 . 0 . 0	<a href="#">get it</a>						
RP-05	1999-10-13	3 . 1 . 0	<a href="#">get it</a>						
RP-07	2000-03-15	3 . 2 . 0	<a href="#">get it</a>						
RP-08	2000-06-23	3 . 3 . 0	<a href="#">get it</a>						
RP-09	2000-10-05	3 . 4 . 0	<a href="#">get it</a>						
RP-10	2000-12-21	3 . 5 . 0	<a href="#">get it</a>						
RP-11	2001-04-06	3 . 6 . 0	<a href="#">get it</a>						
RP-14	2002-01-11	3 . 7 . 0	<a href="#">get it</a>						
RP-15	2002-04-04	3 . 8 . 0	<a href="#">get it</a>						
RP-16	2002-06-28	3 . 9 . 0	<a href="#">get it</a>						

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<b>TS 25.427</b>	<b>UTRAN lur and lub interface user plane protocols for DCH data streams</b>								
R99	<i>current version:</i> 3.11.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> HAKULI, Tuomas	NOKIA Corporation					
	<i>freeze_meeting:</i> SP-05	<i>G:</i> U: yes	<i>MCC:</i> CALDENHOVEN, Juergen						
<i>history (event, available, version, comments):</i>									
RP-03	1999-04-23	0 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
RP-04	1999-06-23	0 . 2 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>					
RP-05	1999-10-13	3 . 0 . 0	<a href="#">get it</a>						
RP-06	1999-12-12	3 . 1 . 0	<a href="#">get it</a>						
RP-07	2000-03-15	3 . 2 . 0	<a href="#">get it</a>						
RP-08	2000-06-23	3 . 3 . 0	<a href="#">get it</a>						
RP-09	2000-10-05	3 . 4 . 0	<a href="#">get it</a>						
RP-10	2000-12-21	3 . 5 . 0	<a href="#">get it</a>						
RP-11	2001-04-06	3 . 6 . 0	<a href="#">get it</a>						
RP-12	2001-07-06	3 . 7 . 0	<a href="#">get it</a>						
RP-13	2001-10-12	3 . 8 . 0	<a href="#">get it</a>						
RP-14	2002-01-11	3 . 9 . 0	<a href="#">get it</a>						
RP-18	2003-01-03	3 . 10 . 0	<a href="#">get it</a>						
RP-22	2004-01-13	3 . 11 . 0	<a href="#">get it</a>						

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 25.430 UTRAN lub Interface: General Aspects and Principles

R99 *current version:* 3.8.0

*freeze\_meeting:* SP-06

*WG (prime / other):* R3 / - *rapporteur:* KOIZUMI, Yoshiko Fujitsu Limited  
*G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

WG approval	1999-03-19	0	.	0	.	0
RP-03	1999-04-23	0	.	1	.	0
RP-04	1999-06-23	0	.	1	.	2
RP-05	1999-10-13	2	.	0	.	0
RP-06	1999-12-12	3	.	0	.	0
RP-07	2000-03-15	3	.	1	.	0
RP-08	2000-06-23	3	.	2	.	0
RP-09	2000-10-05	3	.	3	.	0
RP-10	2000-12-21	3	.	4	.	0
RP-11	2001-04-06	3	.	5	.	0
RP-12	2001-07-06	3	.	6	.	0
RP-14	2002-01-11	3	.	7	.	0
RP-16	2002-06-28	3	.	8	.	0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
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## TS 25.431 UTRAN lub interface Layer 1

R99 *current version:* 3.1.0

*freeze\_meeting:* SP-04

*WG (prime / other):* R3 / - *rapporteur:* KUNZ, Walter SIEMENS AG  
*G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

RP-03	1999-04-23	0	.	0	.	0
Creation of WI by WG/TB	1999-01-15	0	.	0	.	0
RP-04	1999-06-23	3	.	0	.	0
RP-11	2001-04-06	3	.	1	.	0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)

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## TS 25.432 UTRAN lub interface: signalling transport

R99 *current version:* 3.1.0

*freeze\_meeting:* SP-04

*WG (prime / other):* R3 / - *rapporteur:* KOIZUMI, Yoshiko Fujitsu Limited  
*G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

WG approval	1999-03-19	0	.	0	.	0
RP-03	1999-04-23	1	.	0	.	0
RP-04	1999-06-23	3	.	0	.	0
RP-05	1999-10-13	3	.	1	.	0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* .  
[get it](#)  
[get it](#)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.433 UTRAN Iub interface NBAP signalling

R99 *current version:* 3.14.0

*freeze\_meeting:* SP-06

*WG (prime / other):* R3 / - *rapporteur:* SEHEDIC, Yann Nortel Networks Germany GmbH & Co. KG

*G:* U: yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

WG approval	1999-03-19	0	.	0	.	0
RP-03	1999-04-23	1	.	0	.	0
RP-04	1999-06-23	1	.	0	.	2
RP-05	1999-10-13	1	.	3	.	0
RP-06	1999-12-12	3	.	0	.	0
RP-07	2000-03-15	3	.	1	.	0
RP-08	2000-06-23	3	.	2	.	0
RP-09	2000-10-05	3	.	3	.	0
RP-10	2000-12-22	3	.	4	.	0
edito	2001-02-01	3	.	4	.	1
RP-11	2001-04-06	3	.	5	.	0
RP-12	2001-07-06	3	.	6	.	0
RP-13	2001-10-12	3	.	7	.	0
RP-14	2002-01-11	3	.	8	.	0
RP-15	2002-04-04	3	.	9	.	0
RP-16	2002-07-19	3	.	10	.	0
RP-17	2002-09-30	3	.	11	.	0
RP-18	2003-01-03	3	.	12	.	0
RP-19	2003-03-31	3	.	13	.	0
RP-21	2003-09-30	3	.	14	.	0

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:*

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs R99 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.434 UTRAN lub interface data transport & transport signalling for CCH data streams

R99 *current version:* 3.8.0 *WG (prime / other):* R3 / - *rapporteur:* LAVASANI, Shahab TeliaSonera AB  
*freeze\_meeting:* SP-04 *G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

draft	1999-03-19	0	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
RP-03	1999-04-23	1	.	0	.	0		<a href="#">get it</a>	<i>remarks - this release:</i>
RP-04	1999-06-23	3	.	0	.	0		<a href="#">get it</a>	
RP-05	1999-10-13	3	.	1	.	0		<a href="#">get it</a>	
RP-07	2000-03-15	3	.	2	.	0		<a href="#">get it</a>	
RP-09	2000-10-05	3	.	3	.	0		<a href="#">get it</a>	
RP-10	2000-12-21	3	.	4	.	0		<a href="#">get it</a>	
RP-11	2001-04-06	3	.	5	.	0		<a href="#">get it</a>	
RP-14	2002-01-11	3	.	6	.	0		<a href="#">get it</a>	
RP-15	2002-04-02	3	.	7	.	0		<a href="#">get it</a>	
RP-16	2002-06-28	3	.	8	.	0		<a href="#">get it</a>	

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## TS 25.435 UTRAN lub interface user plane protocols for CCH data streams

R99 *current version:* 3.11.0 *WG (prime / other):* R3 / - *rapporteur:* STOJANOVSKI, Saso NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* SP-05 *G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

RP-03	1999-04-23	0	.	1	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
RP-04	1999-06-23	0	.	2	.	1		<a href="#">get it</a>	<i>remarks - this release:</i>
RP-05	1999-10-13	3	.	0	.	0		<a href="#">get it</a>	
RP-06	1999-12-12	3	.	1	.	0		<a href="#">get it</a>	
RP-07	2000-03-15	3	.	2	.	0		<a href="#">get it</a>	
RP-08	2000-06-23	3	.	3	.	0		<a href="#">get it</a>	
RP-09	2000-10-10	3	.	4	.	0		<a href="#">get it</a>	
RP-10	2000-12-21	3	.	5	.	0		<a href="#">get it</a>	
RP-11	2001-04-06	3	.	6	.	0		<a href="#">get it</a>	
RP-12	2001-07-06	3	.	7	.	0		<a href="#">get it</a>	
RP-13	2001-10-12	3	.	8	.	0		<a href="#">get it</a>	
RP-14	2002-01-11	3	.	9	.	0		<a href="#">get it</a>	
RP-15	2002-04-02	3	.	10	.	0		<a href="#">get it</a>	
RP-22	2004-01-13	3	.	11	.	0		<a href="#">get it</a>	

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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ACTIVE specs R99 25 .- series  
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<b>TS 25.442</b>	<b>UTRAN implementation-specific O&amp;M transport</b>								
R99	<i>current version:</i> 3.1.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> HAUSER, Alexander	Indicate persons who left Company and wait for new One				
	<i>freeze_meeting:</i> SP-05		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>								
	RP-03 1999-04-23	0 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	RP-04 1999-06-23	0 . 0 . 2		<a href="#">get it</a>	<i>remarks - this release:</i>				
	RP-05 1999-10-13	3 . 0 . 0		<a href="#">get it</a>					
	RP-07 2000-03-15	3 . 1 . 0		<a href="#">get it</a>					
<hr/>									
<b>TR 25.832</b>	<b>Manifestations of Handover and SRNS relocation</b>								
R99	<i>current version:</i> 3.0.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> TOWNEND, Richard	mmO2 plc				
	<i>freeze_meeting:</i> SP-05		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>								
	First complete draft 1999-03-04	0 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	WG approval 1999-03-19	1 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .				
	RP-03 1999-04-23	2 . 0 . 0		<a href="#">get it</a>					
	RP-04 1999-06-23	2 . 1 . 1		<a href="#">get it</a>					
	RP-05 1999-10-13	3 . 0 . 0		<a href="#">get it</a>					
<hr/>									
<b>TR 25.833</b>	<b>Physical layer items not for inclusion in Release 99</b>								
R99	<i>current version:</i> 3.0.0		<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> IKEDA, Shinobu	NEC Corporation				
	<i>freeze_meeting:</i> SP-06		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> SASAKI, Tsukasa				
	<i>history (event, available, version, comments):</i>								
	RP-08 2001-01-12	1 . 1 . 0		<a href="#">get it</a>	<i>remarks - general:</i> Created Jan 2000 (aka R1.03)				
	RP-22	2 . 0 . 0			<i>remarks - this release:</i> 2003-11-28: WG Chairman intends that this be brought under change control at RP-22.				
	RP-22 2004-01-14	3 . 0 . 0		<a href="#">get it</a>					
<hr/>									
<b>TR 25.853</b>	<b>Delay budget within the access stratum</b>								
R99	<i>current version:</i> 3.1.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> VON BRANDT, Armin	SIEMENS AG				
	<i>freeze_meeting:</i> RP-11		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> CALDENHOVEN, Juergen				
	<i>history (event, available, version, comments):</i>								
	draft 2001-04-06	0 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> Was 25.932. Approved and renumbered at TSG#10.				
	RP-10 2000-12-22	3 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> TSG#10:3.0.0 (is evidently R99 not Rel-4)				
	RP-11 2001-04-06	3 . 1 . 0		<a href="#">get it</a>					

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TR 25.921</b>	<b>Guidelines and principles for protocol description and error handling</b>								
R99	<i>current version:</i> 3.10.0	<i>WG (prime / other):</i>	R2	/ -	<i>rapporteur:</i>	KALLA, Gairn	NOKIA UK Ltd		
	<i>freeze_meeting:</i> SP-06	<i>G:</i>		<i>U:</i> yes	<i>MCC:</i>	ARZELIER, Claude			
	<i>history (event, available, version, comments):</i>								
	Table of Contents	1999-02-04	0	.	0	.	0		
	and Scope								
	RP-03	1999-04-23	1	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	RP-05	1999-10-13	1	.	3	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
	RP-06	1999-12-12	3	.	0	.	0	<a href="#">get it</a>	
	RP-07	2000-03-15	3	.	1	.	0	<a href="#">get it</a>	
	RP-10	2000-12-20	3	.	2	.	0	<a href="#">get it</a>	
	RP-11	2001-03-27	3	.	3	.	0	<a href="#">get it</a>	
	RP-12	2001-06-19	3	.	4	.	0	<a href="#">get it</a>	
	RP-13	2001-10-02	3	.	5	.	0	<a href="#">get it</a>	
	RP-14	2002-01-04	3	.	6	.	0	<a href="#">get it</a>	
	RP-15	2002-03-19	3	.	7	.	0	<a href="#">get it</a>	
	RP-18	2003-01-13	3	.	8	.	0	<a href="#">get it</a>	
	RP-21	2003-10-02	3	.	9	.	0	<a href="#">get it</a>	
	RP-23	2004-03-26	3	.	10	.	0	<a href="#">get it</a>	

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<b>TR 25.922</b>	<b>Radio resource management strategies</b>								
R99	<i>current version:</i> 3.8.0	<i>WG (prime / other):</i>	R2	/ -	<i>rapporteur:</i>	BULDORINI, Andrea	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> SP-06	<i>G:</i>		<i>U:</i> yes	<i>MCC:</i>	ARZELIER, Claude			
	<i>history (event, available, version, comments):</i>								
	First complete draft	1999-03-04	0	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	RP-03	1999-04-23	0	.	1	.	1	<a href="#">get it</a>	<i>remarks - this release:</i>
	RP-04	1999-06-23	0	.	2	.	0	<a href="#">get it</a>	
	RP-05	1999-10-13	0	.	5	.	0	<a href="#">get it</a>	
	RP-06	1999-12-12	3	.	0	.	0	<a href="#">get it</a>	
	RP-07	2000-03-15	3	.	1	.	0	<a href="#">get it</a>	
	RP-08	2000-06-23	3	.	2	.	0	<a href="#">get it</a>	
	RP-09	2000-10-16	3	.	3	.	0	<a href="#">get it</a>	
	RP-10	2000-12-20	3	.	4	.	0	<a href="#">get it</a>	
	RP-11	2001-03-27	3	.	5	.	0	<a href="#">get it</a>	
	RP-13	2001-10-02	3	.	6	.	0	<a href="#">get it</a>	
	RP-15	2002-03-19	3	.	7	.	0	<a href="#">get it</a>	
	RP-23	2004-03-24	3	.	8	.	0	<a href="#">get it</a>	

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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## TR 25.925 Radio Interface for Broadcast/Multicast Services

R99 *current version:* 3.4.0

*freeze\_meeting:* SP-06

*history (event, available, version, comments):*

First complete draft	1999-03-04	0	.	0	.	0
RP-03	1999-04-23	0	.	0	.	2
RP-04	1999-06-23	0	.	1	.	0
RP-05	1999-10-13	0	.	2	.	0
RP-06	1999-12-21	3	.	0	.	0
RP-07	2000-03-15	3	.	1	.	0
RP-09	2000-10-06	3	.	2	.	0
RP-10	2000-12-20	3	.	3	.	0
RP-11	2001-03-27	3	.	4	.	0

*WG (prime / other):* R2 / - *rapporteur:* KRISCHAN, Peter Vodafone D2 GmbH  
*G:* *U:* yes *MCC:* ARZELIER, Claude

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
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## TR 25.931 UTRAN Functions, examples on signalling procedures

R99 *current version:* 3.7.0

*freeze\_meeting:* SP-07

*history (event, available, version, comments):*

RP-03	1999-04-23	1	.	0	.	0
RP-04	1999-06-23	1	.	1	.	1
RP-05	1999-10-13	1	.	2	.	2
RP-07	2000-03-15	1	.	2	.	4
RP-08	2000-06-23	3	.	0	.	0
RP-09	2000-10-05	3	.	1	.	0
RP-10	2000-12-21	3	.	2	.	0
RP-11	2001-04-06	3	.	3	.	0
RP-12	2001-07-05	3	.	4	.	0
RP-14	2002-01-11	3	.	5	.	0
RP-15	2002-04-02	3	.	6	.	0
RP-16	2002-06-28	3	.	7	.	0

*WG (prime / other):* R3 / - *rapporteur:* CASALINO, Francesco TELECOM ITALIA S.p.A.  
*G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TR 25.941</b>	<b>Document structure</b>								
R99	<i>current version:</i> 3.1.0								
	<i>freeze_meeting:</i> RP-06								
	<i>history (event, available, version, comments):</i>								
	RP-03	1999-04-23	0	0	1				
	RP-04	1999-06-23	1	0	0		<a href="#">get it</a>	remarks - general:	
	RP-05	1999-10-13	3	0	0		<a href="#">get it</a>	remarks - this release:	
	RP-06	1999-12-17	3	1	0		<a href="#">get it</a>		
<hr/>									
<b>TR 25.942</b>	<b>RF system scenarios</b>								
R99	<i>current version:</i> 3.3.0								
	<i>freeze_meeting:</i> SP-11								
	<i>history (event, available, version, comments):</i>								
	RP-03	1999-04-23	0	0	2				
	RP-04	1999-06-23	1	0	0		<a href="#">get it</a>	remarks - general:	Additional rapporteur = A.De Pasquale.
	RP-05	1999-10-13	2	0	0		<a href="#">get it</a>	remarks - this release:	
	RP-06	1999-12-12	2	1	1		<a href="#">get it</a>		
	RP-07	2000-03-15	2	1	3		<a href="#">get it</a>		
	RP-09	2000-10-26	2	3	0		<a href="#">get it</a>		
	RP-11	2001-04-10	3	0	0		<a href="#">get it</a>		
	RP-12	2001-07-03	3	1	0		<a href="#">get it</a>		
	RP-14	2002-01-14	3	2	0		<a href="#">get it</a>		
	RP-16	2002-07-03	3	3	0		<a href="#">get it</a>		
<hr/>									
<b>TR 25.944</b>	<b>Channel coding and multiplexing examples</b>								
R99	<i>current version:</i> 3.5.0								
	<i>freeze_meeting:</i> SP-07								
	<i>history (event, available, version, comments):</i>								
	editor's draft	1999-11-25	0	0	1				
	R1-09	1999-12-15	1	0	0		<a href="#">get it</a>	remarks - general:	Created Jan 2000 (aka R1.04)
	RP-07	2000-03-16	3	0	0		<a href="#">get it</a>	remarks - this release:	
	RP-08	2000-06-23	3	1	0		<a href="#">get it</a>		
	RP-09	2000-10-18	3	2	0		<a href="#">get it</a>		
	RP-10	2000-12-22	3	3	0		<a href="#">get it</a>		
	RP-11	2001-04-06	3	4	0		<a href="#">get it</a>		
	edito	2001-04-10	3	4	1		<a href="#">get it</a>		
	RP-12	2001-06-28	3	5	0		<a href="#">get it</a>		

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**TR 25.993 Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)**  
R99 *current version:* 3.1.0 *WG (prime / other):* R2 / *rapporteur:* FAUCONNIER, Denis NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* SP-06 *G:* U: yes *MCC:* ARZELIER, Claude

*history (event, available, version, comments):*

			0	.	0	.	0		<i>remarks - general:</i>
RP-18	2003-01-13		3	.	0	.	0	Back creation from Rel-6 version	<a href="#">get it</a> <i>remarks - this release:</i> Pointer to latest release version.
RP-22	2004-01-12		3	.	1	.	0		<a href="#">get it</a>

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R99 26 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/26\\_series](http://www.3gpp.org/ftp/Specs/archive/26_series)

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**TS 26.071 AMR speech Codec; General description**  
R99 *current version:* 3.0.1 *WG (prime / other):* S4 / - *rapporteur:* EKUDDEN, Erik Telefon AB LM Ericsson  
*freeze\_meeting:* SP-04 *G:* yes *U:* yes *MCC:* USAI, Paolino

*history (event, available, version, comments):*

SP-03	1999-04-26		1	.	0	.	0		<a href="#">get it</a> <i>remarks - general:</i> Transfer>TSG#4
SP-04	1999-06-23		3	.	0	.	0		<a href="#">get it</a> <i>remarks - this release:</i> .
SP-05	1999-10-13		3	.	0	.	1		<a href="#">get it</a>

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**TS 26.073 AMR speech Codec; C-source code**  
R99 *current version:* 3.3.0 *WG (prime / other):* S4 / - *rapporteur:* EKUDDEN, Erik Telefon AB LM Ericsson  
*freeze\_meeting:* SP-06 *G:* yes *U:* yes *MCC:* USAI, Paolino

*history (event, available, version, comments):*

SP-04	1999-06-23		0	.	1	.	0		<a href="#">get it</a> <i>remarks - general:</i>
SP-03	1999-04-23		0	.	1	.	0		<a href="#">get it</a> <i>remarks - this release:</i>
SP-05	1999-10-13		1	.	0	.	0		<a href="#">get it</a>
SP-06	1999-12-17		3	.	0	.	0		<a href="#">get it</a>
SP-07	2000-03-15		3	.	1	.	0		<a href="#">get it</a>
SP-11	2001-04-10		3	.	2	.	0		<a href="#">get it</a>
SP-14	2002-01-09		3	.	3	.	0		<a href="#">get it</a>

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**TS 26.074 AMR speech Codec; Test sequences**

R99 *current version:* 3.1.1 *WG (prime / other):* S4 / - *rapporteur:* EKUDDEN, Erik Telefon AB LM Ericsson  
*freeze\_meeting:* SP-06 *G: yes U: yes* *MCC:* USAI, Paolino

*history (event, available, version, comments):*

SP-03	1999-04-23	0	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> Transfer>TSG#4
SP-04	1999-06-23	1	.	0	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
SP-05	1999-10-13	2	.	0	.	0	<a href="#">get it</a>
SP-06	1999-12-17	3	.	0	.	0	<a href="#">get it</a>
Test sequences available	2000-02-02	3	.	0	.	1	<a href="#">get it</a>
Test sequences corrected	2000-09-14	3	.	0	.	2	<a href="#">get it</a>
SP-11	2001-04-10	3	.	1	.	0	<a href="#">get it</a>
corrected test	2001-07-04	3	.	1	.	1	<a href="#">get it</a>

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**TS 26.090 AMR speech Codec; Transcoding Functions**

R99 *current version:* 3.1.0 *WG (prime / other):* S4 / - *rapporteur:* EKUDDEN, Erik Telefon AB LM Ericsson  
*freeze\_meeting:* SP-04 *G: yes U: yes* *MCC:* USAI, Paolino

*history (event, available, version, comments):*

SP-03	1999-04-26	1	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> Transfer>TSG#4
SP-04	1999-06-23	3	.	0	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
SP-05	1999-10-13	3	.	0	.	1	<a href="#">get it</a>
SP-06	1999-12-17	3	.	1	.	0	<a href="#">get it</a>

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**TS 26.091 AMR speech Codec; Error concealment of lost frames**

R99 *current version:* 3.1.0 *WG (prime / other):* S4 / - *rapporteur:* EKUDDEN, Erik Telefon AB LM Ericsson  
*freeze\_meeting:* SP-04 *G: yes U: yes* *MCC:* USAI, Paolino

*history (event, available, version, comments):*

SP-03	1999-04-26	1	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> Transfer>TSG#4
SP-04	1999-06-23	3	.	0	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
SP-05	1999-10-13	3	.	0	.	1	<a href="#">get it</a>
SP-06	1999-12-17	3	.	1	.	0	<a href="#">get it</a>

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<b>TS 26.092</b>	<b>AMR speech Codec; comfort noise for AMR Speech Traffic Channels</b>					
R99	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-04	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-03 1999-04-26 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-04 1999-06-23 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	SP-05 1999-10-13 3 . 0 . 1	<a href="#">get it</a>				
<hr/>						
<b>TS 26.093</b>	<b>AMR speech Codec; Source Controlled Rate operation</b>					
R99	<i>current version:</i> 3.3.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-04	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-03 1999-04-26 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-04 1999-06-23 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-05 1999-10-13 3 . 0 . 1	<a href="#">get it</a>				
	SP-06 1999-12-17 3 . 1 . 0	<a href="#">get it</a>				
	SP-08 2000-06-28 3 . 2 . 0	<a href="#">get it</a>				
	SP-10 2000-12-21 3 . 3 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 26.094</b>	<b>AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels</b>					
R99	<i>current version:</i> 3.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-04 1999-06-23 0 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-03 1999-04-26 0 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	SP-05 1999-10-13 3 . 0 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 26.101</b>	<b>Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure</b>					
R99	<i>current version:</i> 3.3.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> HAGQVIST, Jari	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-06	G: U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-03 1999-04-26 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-04 1999-06-23 1 . 2 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-05 1999-10-13 1 . 4 . 0	<a href="#">get it</a>				
	SP-06 1999-12-17 3 . 0 . 0	<a href="#">get it</a>				
	SP-07 2000-03-15 3 . 1 . 0	<a href="#">get it</a>				
	SP-12 2001-08-01 3 . 2 . 0	<a href="#">get it</a>				
	SP-15 2002-03-28 3 . 3 . 0	<a href="#">get it</a>				

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<b>TS 26.102</b>	<b>Adaptive Multi-Rate (AMR) speech codec; Interface to lu and Uu</b>					
R99	<i>current version:</i> 3.4.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> NAVARRO, William	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> SP-06	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-03 1999-04-26 0 . 2 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-06 1999-12-17 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-07 2000-03-15 3 . 1 . 0	<a href="#">get it</a>				
	SP-10 2000-12-12 3 . 2 . 0	<a href="#">get it</a>				
	SP-11 2001-04-10 3 . 3 . 0	<a href="#">get it</a>				
	SP-19 2003-04-04 3 . 4 . 0	<a href="#">get it</a>				

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<b>TS 26.103</b>	<b>Speech codec list for GSM and UMTS</b>					
R99	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> HELLWIG, Karl	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-06	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-06 1999-12-17 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> New after TSG#5			
	SP-14 2002-01-09 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	SP-16 2002-06-28 3 . 2 . 0	<a href="#">get it</a>				

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<b>TS 26.104</b>	<b>ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec</b>					
R99	<i>current version:</i> 3.5.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> SP-07	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-06 1999-12-17 0 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-07 2000-03-15 0 . 3 . 0 SP-000022	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-08 2000-06-28 3 . 0 . 0	<a href="#">get it</a>				
	SP-10 2000-12-21 3 . 1 . 0	<a href="#">get it</a>				
	SP-12 2001-06-27 3 . 2 . 0	<a href="#">get it</a>				
	bug fix 2001-06-29 3 . 2 . 1	<a href="#">get it</a>				
	SP-13 2001-10-02 3 . 3 . 0	<a href="#">get it</a>				
	SP-15 2002-03-28 3 . 4 . 0	<a href="#">get it</a>				
	SP-19 2003-04-04 3 . 5 . 0	<a href="#">get it</a>				

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<b>TS 26.110</b>	<b>Codec for circuit switched multimedia telephony service; General description</b>						
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	ARONSON, Barry	TOSHIBA CO	
	<i>freeze_meeting:</i> SP-04	G: yes U: yes		<i>MCC:</i>	USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	SP-03 1999-04-26	1 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-04 1999-06-23	3 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-05 1999-10-13	3 . 0 . 1		<a href="#">get it</a>			
	SP-11 2001-07-04	3 . 1 . 0		<a href="#">get it</a>			

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<b>TS 26.111</b>	<b>Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324</b>						
R99	<i>current version:</i> 3.4.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	ARONSON, Barry	TOSHIBA CO	
	<i>freeze_meeting:</i> SP-04	G: yes U: yes		<i>MCC:</i>	USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	SP-03 1999-04-26	1 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	CR at TSG#5	
	SP-04 1999-06-23	3 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-05 1999-10-13	3 . 0 . 2		<a href="#">get it</a>			
	SP-06 1999-12-15	3 . 1 . 0		<a href="#">get it</a>			
	SP-08 2000-06-28	3 . 2 . 0		<a href="#">get it</a>			
	SP-09 2000-10-10	3 . 3 . 0		<a href="#">get it</a>			
	SP-10 2000-12-21	3 . 4 . 0		<a href="#">get it</a>			

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<b>TS 26.131</b>	<b>Terminal acoustic characteristics for telephony; Requirements</b>						
R99	<i>current version:</i> 3.4.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	GOETZ, Ian	TELLABS OPERATIONS INC.	
	<i>freeze_meeting:</i> SP-06	G: U: yes		<i>MCC:</i>	USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	SP-05 1999-10-13	0 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-06 1999-12-17	3 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-08 2000-06-28	3 . 1 . 0		<a href="#">get it</a>			
	SP-11 2001-04-10	3 . 2 . 0		<a href="#">get it</a>			
	SP-13 2001-10-02	3 . 3 . 0		<a href="#">get it</a>			
	SP-17 2002-09-24	3 . 4 . 0		<a href="#">get it</a>			

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<b>TS 26.132</b>	<b>Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification</b>					
R99	<i>current version:</i> 3.5.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> GOETZ, Ian	TELLABS OPERATIONS INC.		
	<i>freeze_meeting:</i> SP-08	G: U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-05 1999-10-13	0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	draft	0 . 0 . 1		<i>remarks - this release:</i>		
	SP-08	1 . 0 . 0				
	SP-08 2000-06-28	3 . 0 . 0	<a href="#">get it</a>			
	SP-09 2000-10-10	3 . 1 . 0	<a href="#">get it</a>			
	SP-11 2001-04-10	3 . 2 . 0	<a href="#">get it</a>			
	SP-13 2001-10-02	3 . 3 . 0	<a href="#">get it</a>			
	SP-15 2002-03-28	3 . 4 . 0	<a href="#">get it</a>			
	SP-17 2002-09-24	3 . 5 . 0	<a href="#">get it</a>			

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<b>TR 26.911</b>	<b>Codec for Circuit switched Multimedia Telephony Service; Terminal Implementor's Guide</b>					
R99	<i>current version:</i> 3.4.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> HAAVISTO, Petri	Nokia Research Center		
	<i>freeze_meeting:</i> SP-04	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-03 1999-04-26	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-04 1999-06-23	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-05 1999-10-13	3 . 0 . 2	<a href="#">get it</a>			
	decision to revise 1999-10-30	3 . 1 . 0	<a href="#">get it</a>			
	version number					
	SP-06 1999-12-17	3 . 2 . 0	<a href="#">get it</a>			
	edito 2000-10-10	3 . 2 . 1	<a href="#">get it</a>			
	SP-10 2000-12-21	3 . 3 . 0	<a href="#">get it</a>			
	SP-19 2003-04-04	3 . 4 . 0	<a href="#">get it</a>			

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<b>TR 26.912</b>	<b>Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G</b>					
R99	<i>current version:</i> 3.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> FRANCESCHI, Olle	Nippon Ericsson K.K.		
	<i>freeze_meeting:</i> SP-07	G: U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-03 1999-04-26	0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-04 1999-06-23	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-07 2000-03-15	3 . 0 . 0	<a href="#">get it</a>			

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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**TR 26.915 Echo Control For Speech and Multi-Media Services**

R99 *current version:* 3.0.0  
*freeze\_meeting:* SP-07  
*history (event, available, version, comments):*  
Creation of WI by 2000-02-02 0 . 0 . 1  
WG/TB  
SP-07 2000-03-17 3 . 0 . 0

*WG (prime / other):* S4 / - *rapporteur:* GOETZ, Ian TELLABS OPERATIONS INC.  
*G:* *U:* yes *MCC:* USAI, Paolino

[get it](#) *remarks - general:* Became 26.115 for Rel-4 onwards.  
[get it](#) *remarks - this release:* No Rel-4 version. Became 26.115.

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**TR 26.975 Performance characterization of the Adaptive Multi-Rate (AMR) speech codec**

R99 *current version:* 3.1.0  
*freeze\_meeting:* SP-11  
*history (event, available, version, comments):*  
SP-06 1999-12-17 1 . 0 . 0  
SP-07 2000-03-17 1 . 1 . 0  
SP-11 2001-03-31 3 . 0 . 0  
SP-13 2001-10-05 3 . 1 . 0

*WG (prime / other):* S4 / - *rapporteur:* EKUDDEN, Erik Telefon AB LM Ericsson  
*G:* yes *U:* yes *MCC:* USAI, Paolino

[get it](#) *remarks - general:* Replaces 26.075. 2001-10-02: Also for GSM.  
[get it](#) *remarks - this release:* was 26.075;  
[get it](#)  
[get it](#)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 27.001 General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)

R99 *current version:* 3.14.0 *WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*freeze\_meeting:* SP-03 *G: yes U: yes* *MCC:* BOSWARTHICK, David

*history (event, available, version, comments):*

NP-03	1999-04-23	3	.	0	.	0
NP-05	1999-10-13	3	.	2	.	0
NP-06	1999-12-17	3	.	3	.	0
NP-07	2000-03-15	3	.	4	.	0
NP-08	2000-06-23	3	.	5	.	0
NP-09	2000-10-23	3	.	6	.	0
NP-10	2001-01-04	3	.	7	.	0
NP-11	2001-04-05	3	.	8	.	0
NP-12	2001-07-04	3	.	9	.	0
NP-13	2001-10-10	3	.	10	.	0
NP-17	2002-09-17	3	.	11	.	0
NP-20	2003-06-25	3	.	12	.	0
NP-21	2003-10-01	3	.	13	.	0
NP-22	2004-01-22	3	.	14	.	0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
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## TS 27.002 Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities

R99 *current version:* 3.5.0 *WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*freeze\_meeting:* SP-03 *G: yes U: yes* *MCC:* BOSWARTHICK, David

*history (event, available, version, comments):*

NP-03	1999-04-23	3	.	0	.	0
NP-05	1999-10-13	3	.	1	.	0
NP-06	1999-12-17	3	.	2	.	0
NP-07	2000-03-15	3	.	3	.	0
NP-08	2000-06-23	3	.	4	.	0
NP-09	2000-10-12	3	.	5	.	0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.



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## TS 27.003 Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities

R99 *current version:* 3.5.0 *WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*freeze\_meeting:* SP-03 *G: yes U: yes* *MCC:* BOSWARTHICK, David  
*history (event, available, version, comments):*

NP-03	1999-04-23	3	0	0	<a href="#">get it</a> <i>remarks - general:</i>
NP-04	1999-06-23	3	1	0	<a href="#">get it</a> <i>remarks - this release:</i>
NP-06	1999-12-17	3	2	0	<a href="#">get it</a>
NP-07	2000-03-15	3	3	0	<a href="#">get it</a>
NP-08	2000-06-23	3	4	0	<a href="#">get it</a>
NP-09	2000-10-12	3	5	0	<a href="#">get it</a>

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## TS 27.005 Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)

R99 *current version:* 3.2.0 *WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*freeze\_meeting:* SP-04 *G: yes U: yes* *MCC:* RODERMUND, Friedhelm  
*history (event, available, version, comments):*

TP-03	1999-04-28	1	0	0	<a href="#">get it</a> <i>remarks - general:</i>
TP-04	1999-06-18	3	0	0	<a href="#">get it</a> <i>remarks - this release:</i>
TP-06	1999-12-17	3	1	0	<a href="#">get it</a>
TP-16	2002-06-25	3	2	0	<a href="#">get it</a>

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## TS 27.007 AT command set for 3G User Equipment (UE)

R99 *current version:* 3.13.0 *WG (prime / other):* T2 / - *rapporteur:* CHRISTENSEN, Soren Telefon AB LM Ericsson  
*freeze\_meeting:* SP-04 *G: yes U: yes* *MCC:* RODERMUND, Friedhelm  
*history (event, available, version, comments):*

TP-03	1999-04-28	1	0	0	<a href="#">get it</a> <i>remarks - general:</i>
TP-04	1999-06-18	3	1	0	<a href="#">get it</a> <i>remarks - this release:</i>
TP-05	1999-10-08	3	2	0	<a href="#">get it</a>
TP-06	1999-12-17	3	3	0	<a href="#">get it</a>
TP-07	2000-03-15	3	4	0	<a href="#">get it</a>
TP-08	2000-06-23	3	5	0	<a href="#">get it</a>
TP-09	2000-10-11	3	6	0	<a href="#">get it</a>
TP-10	2001-01-04	3	7	0	<a href="#">get it</a>
TP-11	2001-04-06	3	8	0	<a href="#">get it</a>
TP-12	2001-07-04	3	9	0	<a href="#">get it</a>
TP-14	2002-01-11	3	10	0	<a href="#">get it</a>
TP-15	2002-03-29	3	11	0	<a href="#">get it</a>
TP-18	2002-12-20	3	12	0	<a href="#">get it</a>
TP-19	2003-03-31	3	13	0	<a href="#">get it</a>

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 27.010 Terminal Equipment to User Equipment (TE-UE) multiplexer protocol

R99 *current version:* 3.4.0 *WG (prime / other):* T2 / - *rapporteur:* BROOK, Richard SAMSUNG Electronics Research Institute  
*freeze\_meeting:* SP-04 *G: yes U: yes* *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*

TP-03	1999-04-28	1	0	0	<a href="#">get it</a> <i>remarks - general:</i>
TP-04	1999-06-18	3	1	0	<a href="#">get it</a> <i>remarks - this release:</i>
TP-05	1999-10-08	3	2	0	<a href="#">get it</a>
TP-07	2000-03-15	3	3	0	<a href="#">get it</a>
TP-15	2002-03-25	3	4	0	<a href="#">get it</a>

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## TS 27.060 Packet domain; Mobile Station (MS) supporting Packet Switched services

R99 *current version:* 3.8.0 *WG (prime / other):* N3 / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*freeze\_meeting:* SP-03 *G: yes U: yes* *MCC:* BOSWARTHICK, David

*history (event, available, version, comments):*

NP-03	1999-04-23	3	0	0	<a href="#">get it</a> <i>remarks - general:</i> GPRS
NP-04	1999-06-23	3	1	0	<a href="#">get it</a> <i>remarks - this release:</i>
NP-05	1999-10-13	3	2	0	<a href="#">get it</a>
NP-06	1999-12-17	3	3	0	<a href="#">get it</a>
NP-07	2000-03-15	3	4	0	<a href="#">get it</a>
NP-11	2001-04-06	3	5	0	<a href="#">get it</a>
NP-16	2002-06-24	3	6	0	<a href="#">get it</a>
NP-17	2002-09-17	3	7	0	<a href="#">get it</a>
NP-20	2003-06-23	3	8	0	<a href="#">get it</a>

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## TS 27.103 Wide Area Network Synchronization

R99 *current version:* 3.1.0 *WG (prime / other):* T2 / - *rapporteur:* CHAU, Alan NOKIA UK Ltd  
*freeze\_meeting:* SP-05 *G: yes U: yes* *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*

TP-05	1999-10-08	3	0	0	<a href="#">get it</a> <i>remarks - general:</i>
TP-09	2000-10-16	3	1	0	<a href="#">get it</a> <i>remarks - this release:</i> TSG#8:3.1.0 but this CR not impementable.

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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## TR 27.901 Report on Terminal Interfaces - An Overview

R99 *current version:* 3.1.0 *WG (prime / other):* T2 / - *rapporteur:* REX, Thomas ERICSSON MOBILE COMMUNICATIONS AB  
*freeze\_meeting:* SP-06 *G:* U: yes *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*

TP-03	1999-04-23	0	.	0	.	1	<a href="#">get it</a> <i>remarks - general:</i>	
TP-04	1999-06-18	1	.	0	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .	
TP-05	1999-10-08	1	.	0	.	1	<a href="#">get it</a>	
TP-06	completed	1999-12-17	3	.	0	.	0	<a href="#">get it</a>
TP-15	2002-03-26	3	.	1	.	0	<a href="#">get it</a>	

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## TR 27.903 Discussion of synchronization standards

R99 *current version:* 3.0.0 *WG (prime / other):* T2 / - *rapporteur:* LOCKHART, Rob Motorola Inc.  
*freeze\_meeting:* SP-05 *G:* U: yes *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*

TP-03	1999-04-23	0	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
TP-05	1999-10-08	3	.	0	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 29.002 Mobile Application Part (MAP) specification

R99 *current version:* 3.19.0

*freeze\_meeting:* SP-03

*WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software

*G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

NP-03	1999-04-23	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
NP-04	1999-06-23	3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
NP-05	1999-10-13	3 . 2 . 0	<a href="#">get it</a>	
NP-06	1999-12-17	3 . 3 . 0	<a href="#">get it</a>	
edito	2000-01-31	3 . 3 . 1	<a href="#">get it</a>	
NP-07	2000-03-15	3 . 4 . 0	<a href="#">get it</a>	
NP-08	2000-06-23	3 . 5 . 0	<a href="#">get it</a>	
edito	2000-08-04	3 . 5 . 1	<a href="#">get it</a>	
edito	2000-08-10	3 . 5 . 2	<a href="#">get it</a>	
NP-09	2000-10-26	3 . 6 . 0	<a href="#">get it</a>	
NP-10	2000-12-20	3 . 7 . 0	<a href="#">get it</a>	
edito	2001-01-02	3 . 7 . 1	<a href="#">get it</a>	
edito to make	2001-01-31	3 . 7 . 2	<a href="#">get it</a>	
figures legible				
NP-11	2001-04-06	3 . 8 . 0	<a href="#">get it</a>	
NP-12	2001-07-06	3 . 9 . 0	<a href="#">get it</a>	
NP-13	2001-10-03	3 . 10 . 0	<a href="#">get it</a>	
NP-14	2002-01-18	3 . 11 . 0	<a href="#">get it</a>	
NP-15	2002-04-04	3 . 12 . 0	<a href="#">get it</a>	
NP-16	2002-06-21	3 . 13 . 0	<a href="#">get it</a>	
NP-17	2002-09-24	3 . 14 . 0	<a href="#">get it</a>	
NP-18	2003-01-09	3 . 15 . 0	<a href="#">get it</a>	
NP-19	2003-04-07	3 . 16 . 0	<a href="#">get it</a>	
NP-20	2003-07-04	3 . 17 . 0	<a href="#">get it</a>	delayed availability due to complexity of changes
NP-21	2003-10-09	3 . 18 . 0	<a href="#">get it</a>	
NP-23	2004-03-23	3 . 19 . 0	<a href="#">get it</a>	

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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**TS 29.007 General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone**

R99 *current version:* 3.14.0 *WG (prime / other):* N3 / - *rapporteur:* KLEHN, Norbert SIEMENS AG  
*freeze\_meeting:* SP-03 *G:* yes *U:* yes *MCC:* BOSWARTHICK, David

*history (event, available, version, comments):*

NP-03	1999-04-23	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
post-SP-04	1999-05-27	3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
NP-05	1999-10-13	3 . 2 . 0	<a href="#">get it</a>	
NP-06	1999-12-17	3 . 3 . 0	<a href="#">get it</a>	
NP-07	2000-03-15	3 . 4 . 0	<a href="#">get it</a>	
NP-08	2000-06-23	3 . 5 . 0	<a href="#">get it</a>	
NP-09	2000-10-12	3 . 6 . 0	<a href="#">get it</a>	
NP-10	2000-12-22	3 . 7 . 0	<a href="#">get it</a>	
NP-11	2001-03-29	3 . 8 . 0	<a href="#">get it</a>	
NP-14	2002-01-11	3 . 9 . 0	<a href="#">get it</a>	
NP-16	2002-06-24	3 . 10 . 0	<a href="#">get it</a>	
NP-18	2003-01-06	3 . 11 . 0	<a href="#">get it</a>	
NP-20	2003-06-23	3 . 12 . 0	<a href="#">get it</a>	
NP-21	2003-10-01	3 . 13 . 0	<a href="#">get it</a>	
NP-22	2004-01-22	3 . 14 . 0	<a href="#">get it</a>	

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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**TS 29.010 Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling**  
R99 *current version: Procedures and the Mobile Application Part (MAP)* 3.12.0WG (*prime / other*): N4 /- *rapporteur:* KYMALAINEN, Kimmo  
TeliaSonera AB

*freeze\_meeting:* SP-05 G: yes U: yes MCC: KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
NP-03 1999-04-23 0 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4 (transfer??)  
NP-05 1999-10-13 3 . 0 . 0 [get it](#) *remarks - this release:*  
NP-06 1999-12-15 3 . 1 . 0 [get it](#)  
NP-07 2000-03-15 3 . 2 . 0 [get it](#)  
NP-09 2000-10-26 3 . 3 . 0 [get it](#)  
NP-10 2000-12-21 3 . 4 . 0 [get it](#)  
NP-11 2001-03-30 3 . 5 . 0 [get it](#)  
NP-12 2001-07-04 3 . 6 . 0 [get it](#)  
NP-14 2002-01-11 3 . 7 . 0 [get it](#)  
NP-16 2002-06-21 3 . 8 . 0 [get it](#)  
NP-17 2002-09-18 3 . 9 . 0 [get it](#)  
NP-18 2003-01-07 3 . 10 . 0 [get it](#)  
NP-20 2003-06-27 3 . 11 . 0 [get it](#)  
NP-23 2004-03-23 3 . 12 . 0 [get it](#)

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**TS 29.011 Signalling Interworking for Supplementary Services**  
R99 *current version: 3.0.0* WG (*prime / other*): N4 /- *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* SP-03 G: yes U: yes MCC: KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
NP-03 1999-04-23 3 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 29.013 Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols**  
R99 *current version: 3.0.0* WG (*prime / other*): N4 /- *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* SP-05 G: yes U: yes MCC: KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
NP-04 1999-06-23 3 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4  
*remarks - this release:* .

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 29.016</b>	<b>Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification</b>								
R99	<i>current version:</i> 3.1.0			<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> DAWES, Peter		VODAFONE LTD		
	<i>freeze_meeting:</i> SP-03			<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i>		JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>								
	NP-03	1999-04-23	3	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	NP-09	2000-10-06	3	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>

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<b>TS 29.018</b>	<b>General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification</b>								
R99	<i>current version:</i> 3.11.0			<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> DAWES, Peter		VODAFONE LTD		
	<i>freeze_meeting:</i> SP-03			<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i>		JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>								
	NP-03	1999-04-23	3	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	NP-04	1999-06-23	3	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
	NP-05	1999-10-13	3	.	2	.	0	<a href="#">get it</a>	
	NP-07	2000-03-15	3	.	3	.	0	<a href="#">get it</a>	
	NP-09	2000-10-23	3	.	4	.	0	<a href="#">get it</a>	
	edito	2000-10-31	3	.	4	.	1	<a href="#">get it</a>	
	NP-10	2001-01-02	3	.	5	.	0	<a href="#">get it</a>	
	NP-11	2001-04-06	3	.	6	.	0	<a href="#">get it</a>	
	NP-13	2001-10-03	3	.	7	.	0	<a href="#">get it</a>	
	NP-14	2002-01-04	3	.	8	.	0	<a href="#">get it</a>	
	NP-15	2002-03-21	3	.	9	.	0	<a href="#">get it</a>	
	NP-16	2002-06-26	3	.	10	.	0	<a href="#">get it</a>	
	NP-21	2003-10-10	3	.	11	.	0	<a href="#">get it</a>	

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 29.060</b>	<b>General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface</b>					
R99	<i>current version:</i> 3.19.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB		
	<i>freeze_meeting:</i> SP-03	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	NP-03	1999-04-23	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	NP-04	1999-06-23	3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	NP-05	1999-10-13	3 . 2 . 0	<a href="#">get it</a>		
	NP-06	1999-12-15	3 . 3 . 0	<a href="#">get it</a>		
	NP-07	2000-03-15	3 . 4 . 0	<a href="#">get it</a>		
	NP-08	2000-06-23	3 . 5 . 0	<a href="#">get it</a>		
	NP-10	2000-09-28	3 . 6 . 0	<a href="#">get it</a>		
	NP-10	2000-12-21	3 . 7 . 0	<a href="#">get it</a>		
	NP-11	2001-03-30	3 . 8 . 0	<a href="#">get it</a>		
	NP-12	2001-07-04	3 . 9 . 0	<a href="#">get it</a>		
	NP-13	2001-10-03	3 . 10 . 0	<a href="#">get it</a>		
	NP-14	2002-01-11	3 . 11 . 0	<a href="#">get it</a>		
	NP-15	2002-03-28	3 . 12 . 0	<a href="#">get it</a>		
	NP-16	2002-06-21	3 . 13 . 0	<a href="#">get it</a>		
	NP-17	2002-09-18	3 . 14 . 0	<a href="#">get it</a>		
	NP-18	2003-01-07	3 . 15 . 0	<a href="#">get it</a>		
	NP-19	2003-04-04	3 . 16 . 0	<a href="#">get it</a>		
	NP-20	2003-06-27	3 . 17 . 0	<a href="#">get it</a>		
	NP-22	2004-01-12	3 . 18 . 0	<a href="#">get it</a>		
	NP-23	2004-03-24	3 . 19 . 0	<a href="#">get it</a>		

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<b>TS 29.061</b>	<b>Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)</b>			
R99	<i>current version:</i> 3.14.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> HUSLENDE, Ragnar	Telefon AB LM Ericsson
	<i>freeze_meeting:</i> SP-03	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> BOSWARTHICK, David	
<i>history (event, available, version, comments):</i>				
	NP-03	1999-04-23	3 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i> Former title: "General Packet Radio Service (GPRS); Interworking between the Public
	NP-04	1999-06-23	3 . 1 . 0	<a href="#">get it</a> <i>remarks - this release:</i> Land Mobile Network (PLMN) supporting GPRS and Packet".
	NP-06	1999-12-15	3 . 2 . 0	<a href="#">get it</a>
	NP-07	2000-03-15	3 . 3 . 0	<a href="#">get it</a>
	NP-09	2000-10-12	3 . 4 . 0	<a href="#">get it</a>
	NP-11	2001-04-06	3 . 5 . 0	<a href="#">get it</a>
	NP-12	2001-06-28	3 . 6 . 0	<a href="#">get it</a>
	NP-13	2001-10-12	3 . 7 . 0	<a href="#">get it</a>
	NP-14	2002-01-14	3 . 8 . 0	<a href="#">get it</a>
	NP-15	2002-03-20	3 . 9 . 0	<a href="#">get it</a>
	NP-16	2002-07-03	3 . 10 . 0	<a href="#">get it</a>
	NP-18	2003-01-09	3 . 11 . 0	<a href="#">get it</a>
	NP-19	2003-03-27	3 . 12 . 0	<a href="#">get it</a>
	NP-20	2003-06-23	3 . 13 . 0	<a href="#">get it</a>
	NP-22	2004-01-15	3 . 14 . 0	<a href="#">get it</a>

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 29.078</b>	<b>customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification</b>				
R99	<i>current version:</i> 3.15.0	<i>WG (prime / other):</i> N2 / -	<i>rapporteur:</i> NOLDUS, Rogier	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	<i>MCC:</i> JURISIC, Andrijana		
<i>history (event, available, version, comments):</i>					
	NP-03	1999-04-23	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4
	NP-04	1999-06-30	3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> Phase 3
	NP-06	1999-12-17	3 . 2 . 0	<a href="#">get it</a>	
	NP-07	2000-03-15	3 . 3 . 0	<a href="#">get it</a>	
	NP-08	2000-06-23	3 . 4 . 0	<a href="#">get it</a>	
	Editorial	2000-06-23	3 . 4 . 1	<a href="#">get it</a>	
	NP-09	2000-10-10	3 . 5 . 0	<a href="#">get it</a>	
	NP-10	2001-01-05	3 . 6 . 0	<a href="#">get it</a>	
	NP-11	2001-03-29	3 . 7 . 0	<a href="#">get it</a>	
	NP-12	2001-07-03	3 . 8 . 0	<a href="#">get it</a>	
	NP-13	2001-10-03	3 . 9 . 0	<a href="#">get it</a>	
	NP-14	2002-01-04	3 . 10 . 0	<a href="#">get it</a>	
	NP-15	2002-03-19	3 . 11 . 0	<a href="#">get it</a>	
	NP-16	2002-06-17	3 . 12 . 0	<a href="#">get it</a>	
	NP-17	2002-09-17	3 . 13 . 0	<a href="#">get it</a>	
	NP-18	2002-12-18	3 . 14 . 0	<a href="#">get it</a>	
	NP-19	2003-03-25	3 . 15 . 0	<a href="#">get it</a>	

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<b>TS 29.108</b>	<b>Application of the Radio Access Network Application Part (RANAP) on the E-interface</b>				
R99	<i>current version:</i> 3.3.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> VESELY, Alexander	SIEMENS AG	
	<i>freeze_meeting:</i> SP-08	G: U: yes	<i>MCC:</i> CALDENHOVEN, Juergen		
<i>history (event, available, version, comments):</i>					
	RP-08		2 . 0 . 0		<i>remarks - general:</i> TSG#8:Appeared as v2.0.0 (RP-000258)
	RP-08	2000-06-30	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
	RP-10	2000-12-20	3 . 1 . 0	<a href="#">get it</a>	
	RP-13	2001-10-12	3 . 2 . 0	<a href="#">get it</a>	
	RP-19	2003-03-26	3 . 3 . 0	<a href="#">get it</a>	

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<b>TS 29.119</b>	<b>GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)</b>								
R99	<i>current version:</i> 3.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> AIKAWA, Shinichiro	Fujitsu Limited					
	<i>freeze_meeting:</i> SP-07	<i>G:</i> U: yes	<i>MCC:</i> KYMALAINEN, Kimmo						
	<i>history (event, available, version, comments):</i>								
	NP-04 1999-05-27	0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> New after TSG#5					
	NP-06 1999-12-15	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					
	NP-07 2000-03-15	3 . 0 . 0	<a href="#">get it</a>						

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<b>TS 29.120</b>	<b>Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3</b>								
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> MITAMURA, Kazuo	NTT COMWARE Corporation					
	<i>freeze_meeting:</i> SP-07	<i>G:</i> U: yes	<i>MCC:</i> KYMALAINEN, Kimmo						
	<i>history (event, available, version, comments):</i>								
	NP-04 1999-05-27	0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> New after TSG#5					
	NP-06 1999-12-15	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					
	NP-07 2000-03-15	3 . 0 . 0	<a href="#">get it</a>						
	NP-09 2000-10-25	3 . 1 . 0	<a href="#">get it</a>						

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<b>TS 29.198</b>	<b>Open Service Architecture (OSA) Application Programming Interface (API) - Part 1</b>								
R99	<i>current version:</i> 3.4.0	<i>WG (prime / other):</i> N5 / -	<i>rapporteur:</i> ABARCA, Chelo	ALCATEL S.A.					
	<i>freeze_meeting:</i> SP-08	<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	NP-07 2000-03-13	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> OSA subgroup. Was incorrectly shown as a TR; fixed @N#9.					
	NP-08 2000-06-23	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					
	NP-09 2000-10-09	3 . 1 . 0	<a href="#">get it</a>						
	NP-10 2001-01-03	3 . 2 . 0	<a href="#">get it</a>						
	NP-11 2001-03-28	3 . 3 . 0	<a href="#">get it</a>						
	NP-12 2001-06-29	3 . 4 . 0	<a href="#">get it</a>						

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<b>TR 29.994</b>	<b>Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults</b>								
R99	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i> N1 / RP	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S					
	<i>freeze_meeting:</i> SP-06	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> Skov JORGENSEN, Per Johan						
	<i>history (event, available, version, comments):</i>								
	NP-16 2002-06-26	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> 2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest					
	edito post NP-18 2002-12-16	3 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> . Release version.					
				TR.					

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## TR 29.998 Open Services Architecture API part 2

R99 *current version:* 3.2.0 *WG (prime / other):* N5 / - *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* SP-08 *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*  
NP-07 2000-03-13 1 . 0 . 0 [get it](#) *remarks - general:* OSA subgroup  
NP-08 2000-06-23 3 . 0 . 0 [get it](#) *remarks - this release:*  
NP-09 2000-10-08 3 . 1 . 0 [get it](#)  
NP-10 2001-01-03 3 . 2 . 0 [get it](#)

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R99 31 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/31\\_series](http://www.3gpp.org/ftp/Specs/archive/31_series)

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## TS 31.101 UICC-terminal interface; Physical and logical characteristics

R99 *current version:* 3.3.0 *WG (prime / other):* T3 / SCP *rapporteur:* VESTERGAARD, Peter NOKIA UK Ltd  
*freeze\_meeting:* SP-06 *G:* *U:* yes *MCC:* JURISIC, Andrijana  
*history (event, available, version, comments):*  
TP-03 1999-04-23 0 . 0 . 0 [get it](#) *remarks - general:* Contents is a reference to ETSI TR 102 221.  
TP-04 1999-06-23 0 . 5 . 0 [get it](#) *remarks - this release:* TP-09: txferred from T2 to ETSI SCP as TR 102 221. So removed from 3gpp spec list.  
TP-05 1999-10-08 1 . 0 . 0 [get it](#) Sanders, May 2001: no, not withdrawn. So re-instated.  
TP-06 1999-12-17 3 . 0 . 0 [get it](#)  
TP-07 2000-03-15 3 . 1 . 0 completion target [get it](#)  
TP-08 2000-02-06 3 . 2 . 0 [get it](#)  
TP-09 2000-10-18 3 . 3 . 0 [get it](#)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 31.102 Characteristics of the USIM application

R99 *current version:* 3.16.0

*freeze\_meeting:* SP-06

*WG (prime / other):* T3 / - *rapporteur:* RUBON, Jean-Francois GEMPLUS S.A.

*G:* *U:* yes *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*

TP-03	1999-04-23	0	.	0	.	0
TP-04	1999-06-23	0	.	5	.	0
TP-05	1999-10-08	1	.	0	.	0
TP-06	1999-12-17	3	.	0	.	0
TP-07 completion target	2000-03-15	3	.	1	.	0
TP-08	2000-06-23	3	.	2	.	0
TP-09	2000-10-18	3	.	3	.	0
TP-10	2001-01-05	3	.	4	.	0
TP-11	2001-04-09	3	.	5	.	0
TP-12	2001-07-06	3	.	6	.	0
TP-13	2001-10-11	3	.	7	.	0
TP-14	2002-01-17	3	.	8	.	0
TP-16	2002-06-28	3	.	9	.	0
TP-17	2002-09-25	3	.	10	.	0
TP-18	2003-01-02	3	.	11	.	0
TP-19	2003-04-01	3	.	12	.	0
TP-20	2003-06-23	3	.	13	.	0
TP-21	2003-09-30	3	.	14	.	0
TP-22	2004-01-12	3	.	15	.	0
TP-23	2004-03-25	3	.	16	.	0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*

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## TS 31.110 Numbering system for telecommunication IC card applications

R99 *current version:* 3.2.0

*freeze\_meeting:* SP-06

*WG (prime / other):* T3 / - *rapporteur:* DIETRICH, Christian Axalto S.A.

*G:* *U:* yes *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*

E-mailed to SP-T for information	1999-11-15	1	.	0	.	0
TP-06	1999-12-17	3	.	0	.	0
TP-07 completion target	2000-03-15	3	.	1	.	0
TP-09	2000-10-18	3	.	2	.	0

[get it](#) *remarks - general:* Sanders April 2001: Will be scrapped in favour of an ETSI SCP document. May 2001:  
*remarks - this release:* Sanders: "unscrapped". Contents will be change to a reference to ETSI TS 101 220.

[get it](#)

[get it](#)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 31.111</b>	<b>Universal Subscriber Identity Module Application Toolkit (USAT)</b>								
R99	<i>current version:</i> 3.12.0	<i>WG (prime / other):</i>	T3 / -	<i>rapporteur:</i>	WOODSEND, Kristian	Indicate persons who left Company and wait for new One			
	<i>freeze_meeting:</i> SP-07	<i>G:</i> yes	<i>U:</i> yes	<i>MCC:</i>	JURISIC, Andrijana				
	<i>history (event, available, version, comments):</i>								
	TP-06 1999-12-17	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.				
	TP-07 2000-03-15	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					
	TP-08 2000-06-23	3 . 1 . 0	<a href="#">get it</a>						
	TP-09 2000-10-18	3 . 2 . 0	<a href="#">get it</a>						
	TP-10 2001-01-05	3 . 3 . 0	<a href="#">get it</a>						
	TP-11 2001-04-09	3 . 4 . 0	<a href="#">get it</a>						
	TP-12 2001-07-06	3 . 5 . 0	<a href="#">get it</a>						
	TP-13 2001-10-12	3 . 6 . 0	<a href="#">get it</a>						
	TP-14 2002-01-16	3 . 7 . 0	<a href="#">get it</a>						
	TP-16 2002-06-28	3 . 8 . 0	<a href="#">get it</a>						
	TP-18 2003-01-02	3 . 9 . 0	<a href="#">get it</a>						
	TP-19 2003-04-04	3 . 10 . 0	<a href="#">get it</a>						
	TP-22 2004-01-12	3 . 11 . 0	<a href="#">get it</a>						
	TP-23 2004-03-25	3 . 12 . 0	<a href="#">get it</a>						

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<b>TS 31.120</b>	<b>UICC-terminal interface; Physical, electrical and logical test specification</b>								
R99	<i>current version:</i> 3.0.0	<i>WG (prime / other):</i>	T3 / -	<i>rapporteur:</i>	MAESER, Torsten	Orga Test Systems Gmbh			
	<i>freeze_meeting:</i> SP-08	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i>	JURISIC, Andrijana				
	<i>history (event, available, version, comments):</i>								
	TP-09 2000-10-18	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	based on R99 core spec; split into 2 parts (this is 1). TSG#11:moved to ETSI-SCP				
	TP-10 2001-01-05	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	TP-11:moved to ETSI-SCP. TP-12: reinstated.				

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 31.121 UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification

R99 *current version:* 3.8.0 *WG (prime / other):* T3 / - *rapporteur:* AFCHAR, Ramin VODAFONE Group Plc  
*freeze\_meeting:* SP-08 *G:* *U:* yes *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*

TP-09	2000-10-18	1	.	0	.	0		
TP-10	2001-01-05	3	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i> based on R99 core spec; split into 2 parts (this is 2)
TP-12	2001-07-06	3	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
TP-16	2002-06-19	3	.	2	.	0	<a href="#">get it</a>	
TP-17	2002-09-18	3	.	3	.	0	<a href="#">get it</a>	
TP-18	2003-01-02	3	.	4	.	0	<a href="#">get it</a>	
TP-19	2003-03-26	3	.	5	.	0	<a href="#">get it</a>	
TP-20	2003-06-23	3	.	6	.	0	<a href="#">get it</a>	
TP-21	2003-09-29	3	.	7	.	0	<a href="#">get it</a>	
TP-23	2004-03-26	3	.	8	.	0	<a href="#">get it</a>	

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## TS 31.122 Universal Subscriber Identity Module (USIM) conformance test specification

R99 *current version:* 3.7.0 *WG (prime / other):* T3 / - *rapporteur:* KNIGHT, Simon ASPECTS Software Ltd  
*freeze\_meeting:* SP-08 *G:* *U:* yes *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*

TP-09	2000-10-18	1	.	0	.	0		
TP-10		2	.	0	.	0		
TP-10	2001-01-05	3	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i> based on R99 core spec; was originally 31.121 but renumbered which 31.120 was
TP-14	2002-01-17	3	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> split into two parts
TP-15	2002-03-28	3	.	2	.	0	<a href="#">get it</a>	
TP-16	2002-06-19	3	.	3	.	0	<a href="#">get it</a>	
TP-17	2002-09-18	3	.	4	.	0	<a href="#">get it</a>	
TP-18	2003-01-02	3	.	5	.	0	<a href="#">get it</a>	
TP-19	2003-04-01	3	.	6	.	0	<a href="#">get it</a>	
TP-22	2004-01-12	3	.	7	.	0	<a href="#">get it</a>	

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<b>TS 32.005</b>	<b>Telecommunications management; Charging management; 3G call and event data for the Circuit Switched (CS) domain</b>								
R99	<i>current version:</i> 3.7.0			<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> ALEXANDER, Benni				NOKIA Corporation
	<i>freeze_meeting:</i> SP-08			<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	SP-06	1999-12-17	3 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	2004-03-29:S5 Project Manager: title changed from "charging and billing" to align with		
	SP-08	2000-06-23	3 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	later Releases.		
	correct	2000-10-10	3 . 2 . 0		<a href="#">get it</a>				
	implementation of previous CR								
	SP-10	2000-12-21	3 . 3 . 0		<a href="#">get it</a>				
	edito	2001-01-22	3 . 3 . 1		<a href="#">get it</a>				
	SP-11	2001-04-05	3 . 4 . 0		<a href="#">get it</a>				
	SP-13	2001-10-05	3 . 5 . 0		<a href="#">get it</a>				
	SP-15	2002-03-26	3 . 6 . 0		<a href="#">get it</a>				
	SP-22	2004-01-05	3 . 7 . 0		<a href="#">get it</a>				

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<b>TS 32.015</b>	<b>Telecommunications management; Charging management; 3G call and event data for the Packet Switched (PS) domain</b>								
R99	<i>current version:</i> 3.12.0			<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> ALEXANDER, Benni				NOKIA Corporation
	<i>freeze_meeting:</i> SP-08			<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	SP-06	1999-12-17	3 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	2004-03-29:S5 Project Manager: title changed from "charging and billing" to align with		
	SP-07	2000-03-17	3 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	later Releases.		
	Editorial	2000-03-17	3 . 1 . 1		<a href="#">get it</a>				
	SP-08	2000-06-23	3 . 2 . 0		<a href="#">get it</a>				
	SP-09	2000-10-10	3 . 3 . 0		<a href="#">get it</a>				
	SP-10	2000-12-21	3 . 4 . 0		<a href="#">get it</a>				
	SP-11	2001-04-05	3 . 5 . 0		<a href="#">get it</a>				
	SP-12	2001-07-03	3 . 6 . 0		<a href="#">get it</a>				
	SP-13	2001-10-05	3 . 7 . 0		<a href="#">get it</a>				
	SP-14	2002-01-11	3 . 8 . 0		<a href="#">get it</a>				
	SP-15	2002-03-26	3 . 9 . 0		<a href="#">get it</a>				
	SP-18	2003-01-07	3 . 10 . 0		<a href="#">get it</a>				
	SP-19	2003-04-02	3 . 11 . 0		<a href="#">get it</a>				
	SP-22	2004-01-05	3 . 12 . 0		<a href="#">get it</a>				

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## TS 32.101 Telecommunication management; Principles and high level requirements

R99 *current version:* 3.4.0 *WG (prime / other):* S5 / - *rapporteur:* TRUSS, Michael MOTOROLA Ltd  
*freeze\_meeting:* SP-07 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-03	1999-04-26	1	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
SP-05	1999-10-13	1	.	2	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
SP-06	1999-12-17	3	.	0	.	0	<a href="#">get it</a>
SP-07	2000-03-17	3	.	1	.	0	<a href="#">get it</a>
Editorial	2000-03-17	3	.	1	.	1	<a href="#">get it</a>
SP-08	2000-06-23	3	.	2	.	0	<a href="#">get it</a>
SP-10	2000-12-21	3	.	3	.	0	<a href="#">get it</a>
SP-11	2001-10-05	3	.	4	.	0	<a href="#">get it</a>

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## TS 32.102 Telecommunication management; Architecture

R99 *current version:* 3.2.0 *WG (prime / other):* S5 / - *rapporteur:* BERGGREN, Tommy TeliaSonera AB  
*freeze\_meeting:* SP-07 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

Creation of WI by	1999-04-26	0	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
WG/TB							<i>remarks - this release:</i>
SP-03	1999-04-26	1	.	0	.	0	<a href="#">get it</a>
SP-05	1999-10-13	1	.	2	.	0	<a href="#">get it</a>
SP-06	1999-12-17	3	.	0	.	0	<a href="#">get it</a>
SP-07	2000-03-17	3	.	1	.	0	<a href="#">get it</a>
Editorial	2000-03-17	3	.	1	.	1	<a href="#">get it</a>
SP-08	2000-06-23	3	.	2	.	0	<a href="#">get it</a>

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## TS 32.104 Telecommunication management; 3G Performance Management

R99 *current version:* 3.7.0 *WG (prime / other):* S5 / - *rapporteur:* HÜBINETTE, Ulf Telefon AB LM Ericsson  
*freeze\_meeting:* SP-07 *G:* U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-05	1999-10-13	1	. 0	. 0	<a href="#">get it</a> <i>remarks - general:</i>
SP-06	1999-12-17	3	. 0	. 0	<a href="#">get it</a> <i>remarks - this release:</i>
SP-07	2000-03-17	3	. 1	. 0	<a href="#">get it</a>
Editorial	2000-03-17	3	. 1	. 1	<a href="#">get it</a>
SP-08	2000-06-23	3	. 2	. 0	<a href="#">get it</a>
SP-09	2000-10-10	3	. 3	. 0	<a href="#">get it</a>
SP-10	2000-12-21	3	. 4	. 0	<a href="#">get it</a>
SP-14	2002-01-11	3	. 5	. 0	<a href="#">get it</a>
SP-20	2003-06-27	3	. 6	. 0	<a href="#">get it</a>
SP-23	2004-03-24	3	. 7	. 0	<a href="#">get it</a>

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## TS 32.106-1 Telecommunication management; Configuration Management (CM); Part 1: Concept and requirements

R99 *current version:* 3.1.0 *WG (prime / other):* S5 / - *rapporteur:* PIRT, Trevor MOTOROLA Ltd  
*freeze\_meeting:* SP-07 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-05	1999-10-13	1	. 0	. 0	<a href="#">get it</a> <i>remarks - general:</i> SP-08: split into eight parts
SP-06	1999-12-17	1	. 1	. 0	<a href="#">get it</a> <i>remarks - this release:</i> SP-08: multipart split from parent 3.0.1
SP-07	2000-03-17	3	. 0	. 0	<a href="#">get it</a>
Editorial	2000-03-17	3	. 0	. 1	<a href="#">get it</a>
SP-08	2000-06-23	3	. 1	. 0	<a href="#">get it</a> split into parts

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## TS 32.106-2 Telecommunication management; Configuration Management (CM); Part 2: Notification Integration Reference Point (IRP): Information Service (IS)

R99 *current version:* 3.3.0 *WG (prime / other):* S5 / - *rapporteur:* TSE, Edwin Ericsson Incorporated  
*freeze\_meeting:* SP-07 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-08: split into parts	2000-06-23	3	. 1	. 0	<a href="#">get it</a> <i>remarks - general:</i> TSG#8: split into eight parts
SP-10	2000-12-21	3	. 2	. 0	<a href="#">get it</a> <i>remarks - this release:</i> TSG#8: multipart split from parent 3.0.1
SP-11	2001-04-05	3	. 3	. 0	<a href="#">get it</a>

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**TS 32.106-3 Telecommunication management; Configuration Management (CM); Part 3: Notification Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA)**

R99 *current version: Solution Set (SS)* 3.3.0 *WG (prime / other):* S5 /- *rporteur:* TSE, Edwin  
Ericsson Incorporated

*freeze\_meeting:* SP-07

G: yes U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-08: split into 2000-06-23 3 . 1 . 0

parts

SP-10 2000-12-21 3 . 2 . 0

SP-11 2001-04-05 3 . 3 . 0

[get it](#)

*remarks - general:* TSG#8: split into eight parts  
*remarks - this release:* TSG#8: multipart split from parent 3.0.1

[get it](#)

[get it](#)

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**TS 32.106-4 Telecommunication management; Configuration Management (CM); Part 4: Notification Integration Reference Poin (IRP); Common Management Information Protocol (CMIP)**

R99 *current version: Solution Set (SS)* 3.2.1 *WG (prime / other):* S5 /- *rporteur:* POLLAKOWSKI, Olaf  
SIEMENS AG

*freeze\_meeting:* SP-07

G: yes U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-08: split into 2000-06-23 3 . 1 . 0

parts

SP-14 2002-01-11 3 . 2 . 0

editorial after SP-17 2002-09-18 3 . 2 . 1

[get it](#)

*remarks - general:* TSG#8: split into eight parts  
*remarks - this release:* TSG#8: multipart split from parent 3.0.1

[get it](#)

[get it](#)

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**TS 32.106-5 Telecommunication management; Configuration Management (CM); Part 5: Basic CM Integration Reference Point (IRP); Information model (including Network Resource Model)**

R99 *current version:* 3.2.0 *WG (prime / other):* S5 /- *rporteur:* TOVINGER, Thomas Telefon AB LM Ericsson  
*freeze\_meeting:* SP-10  
G: yes U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

draft 2000-10-10 1 . 0 . 1

SP-10 2000-12-21 3 . 0 . 0

SP-11 2001-04-05 3 . 1 . 0

SP-12 2001-07-03 3 . 2 . 0

[get it](#)

*remarks - general:* TSG#8: split into eight parts

*remarks - this release:* TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99)

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<b>TS 32.106-6</b>	<b>Telecommunication management; Configuration Management (CM); Part 6: Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA)</b>								
R99	<i>current version: Solution Set (SS)</i>	3.4.0	<i>WG (prime / other):</i>	S5	/-	<i>rporteur:</i>	POLLAKOWSKI, Olaf		
SIEMENS AG									
	<i>freeze_meeting:</i> SP-10		G: yes	U: yes		<i>MCC:</i>	ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>								
	draft 2000-10-31	0 . 1 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	TSG#8: split into eight parts			
	SP-10 2000-12-14	3 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99)			
	SP-11 2001-04-05	3 . 1 . 0		<a href="#">get it</a>					
	SP-12 2001-07-04	3 . 2 . 0		<a href="#">get it</a>					
	SP-13 2001-10-05	3 . 3 . 0		<a href="#">get it</a>					
	SP-22 2004-01-05	3 . 4 . 0		<a href="#">get it</a>					

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<b>TS 32.106-7</b>	<b>Telecommunication management; Configuration Management (CM); Part 7: Basic CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP)</b>								
R99	<i>current version: Solution Set (SS)</i>	3.3.0	<i>WG (prime / other):</i>	S5	/-	<i>rporteur:</i>	POLLAKOWSKI, Olaf		
SIEMENS AG									
	<i>freeze_meeting:</i> SP-10		G: yes	U: yes		<i>MCC:</i>	ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>								
	draft 2000-10-31	0 . 1 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	TSG#8: split into eight parts			
	SP-10 2000-12-21	3 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99)			
	SP-11 2001-04-05	3 . 1 . 0		<a href="#">get it</a>					
	SP-12 2001-07-03	3 . 2 . 0		<a href="#">get it</a>					
	SP-14 2002-01-11	3 . 3 . 0		<a href="#">get it</a>					

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<b>TS 32.106-8</b>	<b>Telecommunication management; Configuration Management (CM); Part 8: Name convention for Managed Objects</b>								
R99	<i>current version: 3.2.0</i>		<i>WG (prime / other):</i>	S5 / -	<i>rporteur:</i>	TOVINGER, Thomas	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-07		G: yes	U: yes	<i>MCC:</i>	ZOICAS, Adrian			
	<i>history (event, available, version, comments):</i>								
	SP-08: split into	2000-06-23	3 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	TSG#8: split into eight parts			
	parts				<i>remarks - this release:</i>	TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0			
	SP-12 2001-07-03	3 . 2 . 0		<a href="#">get it</a>					

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## TS 32.111-1 Telecommunication management; Fault Management; Part 1: 3G fault management requirements

R99 *current version:* 3.2.0 *WG (prime / other):* S5 / - *rapporteur:* SCHMIDT, Joerg MOTOROLA A/S  
*freeze\_meeting:* SP-08 *G: yes U: yes* *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-05	1999-10-13	1	. 0	. 0	<a href="#">get it</a> <i>remarks - general:</i> TSG#8: split into 4 parts
SP-06	1999-12-17	1	. 1	. 0	<a href="#">get it</a> <i>remarks - this release:</i> TSG#8: multipart split from parent 3.0.1
SP-07	2000-03-17	3	. 0	. 0	<a href="#">get it</a>
Editorial	2000-03-17	3	. 0	. 1	<a href="#">get it</a>
SP-08: split into	2000-06-23	3	. 1	. 0	<a href="#">get it</a>
parts					
SP-09	2000-10-10	3	. 2	. 0	<a href="#">get it</a>

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## TS 32.111-2 Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)

R99 *current version:* 3.3.0 *WG (prime / other):* S5 / - *rapporteur:* SCHMIDT, Joerg MOTOROLA A/S  
*freeze\_meeting:* SP-08 *G: yes U: yes* *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-05	1999-10-13	1	. 0	. 0	<a href="#">get it</a> <i>remarks - general:</i> TSG#8: split into 4 parts
SP-06	1999-12-17	1	. 1	. 0	<a href="#">get it</a> <i>remarks - this release:</i>
SP-07	2000-03-17	3	. 0	. 0	<a href="#">get it</a>
Editorial	2000-03-17	3	. 0	. 1	<a href="#">get it</a>
SP-08: split into	2000-06-23	3	. 1	. 0	<a href="#">get it</a>
parts					
editorial	2000-09-06	3	. 1	. 1	<a href="#">get it</a>
SP-09	2000-10-10	3	. 2	. 0	<a href="#">get it</a>
SP-10	2000-12-20	3	. 3	. 0	<a href="#">get it</a>

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## TS 32.111-3 Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)

R99 *current version:* 3.6.0 *WG (prime / other):* S5 / - *rapporteur:* TSE, Edwin Ericsson Incorporated  
*freeze\_meeting:* SP-08 *G: yes U: yes* *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-05	1999-10-13	1	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> TSG#8: split into 4 parts
SP-06	1999-12-17	1	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> TSG#8: multipart split from parent 3.0.1
SP-07	2000-03-17	3	.	0	.	0	<a href="#">get it</a>
Editorial	2000-03-17	3	.	0	.	1	<a href="#">get it</a>
SP-08: split into	2000-06-23	3	.	1	.	0	<a href="#">get it</a>
parts							
SP-09	2000-10-10	3	.	2	.	0	<a href="#">get it</a>
SP-10	2000-12-20	3	.	3	.	0	<a href="#">get it</a>
SP-11	2001-04-05	3	.	4	.	0	<a href="#">get it</a>
SP-12	2001-07-04	3	.	5	.	0	<a href="#">get it</a>
SP-14	2002-01-11	3	.	6	.	0	<a href="#">get it</a>

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## TS 32.111-4 Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)

R99 *current version:* 3.2.0 *WG (prime / other):* S5 / - *rapporteur:* POLLAKOWSKI, Olaf SIEMENS AG  
*freeze\_meeting:* SP-08 *G: yes U: yes* *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

SP-05	1999-10-13	1	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> TSG#8: split into 4 parts
SP-06	1999-12-17	1	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> TSG#8: multipart split from parent 3.0.1
SP-07	2000-03-17	3	.	0	.	0	<a href="#">get it</a>
Editorial	2000-03-17	3	.	0	.	1	<a href="#">get it</a>
SP-08: split into	2000-06-23	3	.	1	.	0	<a href="#">get it</a>
parts							
editorial	2000-09-06	3	.	1	.	1	<a href="#">get it</a>
SP-14	2002-01-11	3	.	2	.	0	<a href="#">get it</a>

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R99

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## TS 33.102 3G security; Security architecture

R99 *current version:* 3.13.0

*freeze\_meeting:* SP-07

*WG (prime / other):* S3 / - *rapporteur:* BLOMMAERT, Marc Siemens nv/sa

*G:* *U:* yes *MCC:* POPE, Maurice

*history (event, available, version, comments):*

Table of Contents and Scope	1999-03-04	0	0	1	
First complete draft	1999-03-26	1	0	0	
WG approval	1999-03-26	2	0	0	
SP-03	1999-04-23	3	0	0	
SP-04	1999-06-23	3	1	0	
SP-05	1999-10-13	3	2	0	
SP-06	1999-12-17	3	3	0	
SP-07	2000-03-15	3	4	0	
SP-08	2000-06-23	3	5	0	
SP-09	2000-10-11	3	6	0	
SP-10	2000-12-22	3	7	0	
SP-11	2001-04-04	3	8	0	
SP-12	2001-07-04	3	9	0	
SP-14	2002-01-07	3	10	0	
SP-15	2002-03-26	3	11	0	
SP-16	2002-06-19	3	12	0	
SP-18	2002-12-18	3	13	0	

[get it](#) *remarks - general:*  
*remarks - this release:*

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## TS 33.103 3G security; Integration guidelines

R99 *current version:* 3.7.0

*freeze\_meeting:* SP-05

*WG (prime / other):* S3 / - *rapporteur:* BLANCHARD, Colin BT Group Plc

*G:* *U:* yes *MCC:* POPE, Maurice

*history (event, available, version, comments):*

SP-04	1999-06-23	1	0	0	
SP-05	1999-10-13	3	0	0	
SP-06	1999-12-17	3	1	0	
SP-07	2000-03-15	3	2	0	
SP-08	2000-06-23	3	3	0	
SP-09	2000-10-11	3	4	0	
SP-11	2001-03-30	3	5	0	
SP-12	2001-07-04	3	6	0	
SP-13	2001-10-03	3	7	0	

[get it](#) *remarks - general:*  
*remarks - this release:*

[get it](#)  
[get it](#)  
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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 33.105</b>	<b>Cryptographic Algorithm requirements</b>					
R99	<i>current version:</i> 3.8.0	<i>WG (prime / other):</i>	S3 / -	<i>rapporteur:</i>	CHIKAZAWA, Takeshi	Mitsubishi Electric Corporation
	<i>freeze_meeting:</i> SP-04	<i>G:</i>	U: yes	<i>MCC:</i>	POPE, Maurice	
	<i>history (event, available, version, comments):</i>					
	SP-04 1999-06-23			<a href="#">get it</a>	<i>remarks - general:</i>	
	SP-05 1999-10-13			<a href="#">get it</a>	<i>remarks - this release:</i>	
	SP-06 1999-12-17			<a href="#">get it</a>		
	SP-07 2000-03-15			<a href="#">get it</a>		
	SP-08 2000-06-23			<a href="#">get it</a>		
	SP-09 2000-10-11			<a href="#">get it</a>		
	SP-10 2000-12-22			<a href="#">get it</a>		
	SP-11 2001-03-30			<a href="#">get it</a>		
	SP-12 2001-07-04			<a href="#">get it</a>		
<hr/>						
<b>TS 33.106</b>	<b>Lawful interception requirements</b>					
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i>	S3 / -	<i>rapporteur:</i>	WILHELM, Berthold	BUNDESMINISTERIUM FUR WIRTSCHAFT
	<i>freeze_meeting:</i> SP-08	<i>G:</i>	U: yes	<i>MCC:</i>	POPE, Maurice	
	<i>history (event, available, version, comments):</i>					
	SP-04 1999-06-23			<a href="#">get it</a>	<i>remarks - general:</i>	
	SP-06 1999-12-17			<a href="#">get it</a>	<i>remarks - this release:</i>	
<hr/>						
<b>TS 33.107</b>	<b>3G security; Lawful interception architecture and functions</b>					
R99	<i>current version:</i> 3.5.0	<i>WG (prime / other):</i>	S3 / -	<i>rapporteur:</i>	WILHELM, Berthold	BUNDESMINISTERIUM FUR WIRTSCHAFT
	<i>freeze_meeting:</i> SP-06	<i>G:</i>	U: yes	<i>MCC:</i>	POPE, Maurice	
	<i>history (event, available, version, comments):</i>					
	SP-04 1999-06-23			<a href="#">get it</a>	<i>remarks - general:</i>	
	SP-10 2000-12-22			<a href="#">get it</a>	<i>remarks - this release:</i>	
	SP-11 2001-03-30			<a href="#">get it</a>		
	SP-13 2001-10-03			<a href="#">get it</a>		
	SP-14 2002-01-07			<a href="#">get it</a>		
	SP-15 2002-03-26			<a href="#">get it</a>		

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<b>TS 33.120</b>	<b>Security Objectives and Principles</b>					
R99	<i>current version:</i> 3.0.0		<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WRIGHT, Tim		Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i> SP-03					
	<i>history (event, available, version, comments):</i>		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> POPE, Maurice	
	Table of Contents and Scope	1999-03-04	0	0	1	<a href="#">get it</a> <i>remarks - general:</i>
	First complete draft	1999-03-26	1	0	0	<a href="#">get it</a> <i>remarks - this release:</i> .
	WG approval	1999-03-26	2	0	0	<a href="#">get it</a>
	SP-03	1999-04-23	3	0	0	<a href="#">get it</a>
<hr/>						
<b>TR 33.901</b>	<b>Criteria for cryptographic Algorithm design process</b>					
R99	<i>current version:</i> 3.0.0		<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> BLOM, Rolf		Telefon AB LM Ericsson
	<i>freeze_meeting:</i> SP-04			<i>MCC:</i> POPE, Maurice		
	<i>history (event, available, version, comments):</i>		<i>G:</i>	<i>U:</i> yes		
	SP-03	1999-04-23	0	0	0	<a href="#">get it</a> <i>remarks - general:</i>
	SP-04	1999-06-23	3	0	0	<a href="#">get it</a> <i>remarks - this release:</i> .
<hr/>						
<b>TR 33.902</b>	<b>Formal Analysis of the 3G Authentication Protocol</b>					
R99	<i>current version:</i> 3.1.0		<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> HORN, Guenther		SIEMENS AG
	<i>freeze_meeting:</i> SP-05			<i>MCC:</i> POPE, Maurice		
	<i>history (event, available, version, comments):</i>		<i>G:</i>	<i>U:</i> yes		
	SP-05	1999-10-13	3	0	0	<a href="#">get it</a> <i>remarks - general:</i>
	SP-06	1999-12-17	3	1	0	<a href="#">get it</a> <i>remarks - this release:</i> .
<hr/>						
<b>TR 33.908</b>	<b>3G Security; General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms</b>					
R99	<i>current version:</i> 3.0.0		<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WALKER, Michael		VODAFONE Group Plc
	<i>freeze_meeting:</i> SP-07			<i>MCC:</i> POPE, Maurice		
	<i>history (event, available, version, comments):</i>		<i>G:</i>	<i>U:</i> yes		
	SP-07	2000-03-17	3	0	0	<a href="#">get it</a> <i>remarks - general:</i> TSG#7: S3-000105=NP-000049
						<i>remarks - this release:</i> Formerly 33.904.

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## TS 34.108 Common test environments for User Equipment (UE) conformance testing

R99 *current version:* 3.15.0

*WG (prime / other):* T1 / - *rapporteur:* CHALABI, Nuhman ANRITSU LTD

*freeze\_meeting:* SP-08

*G:* *U:* yes *MCC:* SULTAN, Alain

*history (event, available, version, comments):*

Start of work		0	.	0	.	1			<i>remarks - general:</i>
TP-07	2000-03-15	1	.	0	.	0	TP-000032	<a href="#">get it</a>	<i>remarks - this release:</i> TSG#8:aprvl is controversial. TP-23: medium-term intention is to make the spec Release-independent, all earlier Releases simply point to latest.
editorial tidy up	2000-03-23	1	.	0	.	1		<a href="#">get it</a>	
TP-08		2	.	0	.	0			
TP-08	2000-06-23	3	.	0	.	0		<a href="#">get it</a>	
Editorial	2000-06-23	3	.	0	.	1		<a href="#">get it</a>	
TP-09	2000-10-06	3	.	1	.	0		<a href="#">get it</a>	
TP-10	2001-01-09	3	.	2	.	0		<a href="#">get it</a>	
TP-11	2001-03-28	3	.	3	.	0		<a href="#">get it</a>	
TP-12	2001-06-27	3	.	4	.	0		<a href="#">get it</a>	
TP-13	2001-10-08	3	.	5	.	0		<a href="#">get it</a>	
TP-14	2002-01-09	3	.	6	.	0		<a href="#">get it</a>	
TP-15	2002-03-20	3	.	7	.	0		<a href="#">get it</a>	
edito post	TP-15 2002-03-26	3	.	7	.	1		<a href="#">get it</a>	
TP-16	2002-06-17	3	.	8	.	0		<a href="#">get it</a>	
TP-17	2002-09-10	3	.	9	.	0		<a href="#">get it</a>	
TP-18	2002-12-18	3	.	10	.	0		<a href="#">get it</a>	
TP-19	2003-03-24	3	.	11	.	0		<a href="#">get it</a>	
TP-20	2003-06-18	3	.	12	.	0		<a href="#">get it</a>	
TP-21	2003-10-10	3	.	13	.	0		<a href="#">get it</a>	
TP-22	2004-01-13	3	.	14	.	0		<a href="#">get it</a>	
TP-23	2004-04-01	3	.	15	.	0		<a href="#">get it</a>	

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## TS 34.109 Terminal logical test interface; Special conformance testing functions

R99 *current version:* 3.9.0 *WG (prime / other):* R2 / T1 *rapporteur:* BERGGREN, Anders Ericsson Incorporated  
*freeze\_meeting:* SP-08 *G:* *U:* yes *MCC:* ARZELIER, Claude

*history (event, available, version, comments):*

RP-03	1999-04-23	0	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i> TSG#7: Will be transferred to RAN2 after approval. TSG#8:txfer is delayed. TSG#9: <i>remarks - this release:</i> Stable, so txfered from T1 to R2.
RP-04	1999-06-18	0	.	2	.	0		<a href="#">get it</a>	
RP-05	1999-10-08	1	.	0	.	0		<a href="#">get it</a>	
RP-06	1999-12-17	1	.	0	.	3		<a href="#">get it</a>	
next version	2000-02-03	1	.	1	.	0		<a href="#">get it</a>	
RP-07	2000-03-15	1	.	2	.	0		<a href="#">get it</a>	
RP-08	2000-06-23	3	.	0	.	0		<a href="#">get it</a>	
RP-09	2000-10-05	3	.	1	.	0		<a href="#">get it</a>	
RP-10	2000-12-20	3	.	2	.	0		<a href="#">get it</a>	
RP-11	2001-03-27	3	.	3	.	0		<a href="#">get it</a>	
RP-12	2001-06-19	3	.	4	.	0		<a href="#">get it</a>	
RP-15	2002-03-19	3	.	5	.	0		<a href="#">get it</a>	
RP-16	2002-06-17	3	.	6	.	0		<a href="#">get it</a>	
RP-17	2002-09-18	3	.	7	.	0		<a href="#">get it</a>	
RP-18	2003-01-13	3	.	8	.	0		<a href="#">get it</a>	
RP-19	2003-03-25	3	.	9	.	0		<a href="#">get it</a>	

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<b>TS 34.121</b>	<b>Terminal Conformance Specification, Radio Transmission and Reception (FDD)</b>								
R99	<i>current version:</i> 3.14.0	<i>WG (prime / other):</i>	T1 / -	<i>rapporteur:</i>	HIGUCHI, Kenji	ADVANTEST Corporation			
	<i>freeze_meeting:</i> SP-07	<i>G:</i>		<i>MCC:</i>	SULTAN, Alain				
	<i>U:</i> yes								
<i>history (event, available, version, comments):</i>									
	TP-03	1999-04-23	0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
	TP-04	1999-06-18	1 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>				
	TP-05	1999-10-08	1 . 2 . 0	<a href="#">get it</a>					
	TP-06	1999-12-17	1 . 5 . 0	<a href="#">get it</a>					
	TP-07	2000-03-15	2 . 0 . 0	<a href="#">get it</a>					
	TP-07	2000-03-15	3 . 0 . 0	<a href="#">get it</a>					
	Editorial	2000-03-15	3 . 0 . 1	<a href="#">get it</a>					
	TP-08	2000-06-23	3 . 1 . 0	<a href="#">get it</a>					
	TP-09	2000-10-05	3 . 2 . 0	<a href="#">get it</a>					
	TP-10	2000-12-21	3 . 3 . 0	<a href="#">get it</a>					
	TP-11	2001-03-28	3 . 4 . 0	<a href="#">get it</a>					
	TP-12	2001-06-18	3 . 5 . 0	<a href="#">get it</a>					
	TP-13	2001-10-03	3 . 6 . 0	<a href="#">get it</a>					
	TP-14	2002-01-09	3 . 7 . 0	<a href="#">get it</a>					
	TP-15	2002-03-20	3 . 8 . 0	<a href="#">get it</a>					
	TP-16	2002-06-17	3 . 9 . 0	<a href="#">get it</a>					
	TP-17	2002-09-05	3 . 10 . 0	<a href="#">get it</a>					
	TP-18	2002-12-18	3 . 11 . 0	<a href="#">get it</a>					
	TP-19	2003-03-24	3 . 12 . 0	<a href="#">get it</a>					
	TP-20	2003-06-17	3 . 13 . 0	<a href="#">get it</a>					
	TP-21	2003-10-10	3 . 14 . 0	<a href="#">get it</a>					

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## TS 34.122 Terminal conformance specification, Radio transmission and reception (TDD)

R99 *current version:* 3.12.0 *WG (prime / other):* T1 / - *rapporteur:* MAUCKSCH, Thomas ROHDE & SCHWARZ GmbH & Co.KG  
*freeze\_meeting:* SP-08 *G:* U: yes *MCC:* SULTAN, Alain

*history (event, available, version, comments):*

TP-04	1999-06-18	0	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
TP-05	1999-10-08	0	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i>
TP-06	1999-12-17	1	.	0	.	0		<a href="#">get it</a>	
TP-07	2000-03-15	1	.	2	.	0		<a href="#">get it</a>	
Editorial	2000-03-15	1	.	2	.	1		<a href="#">get it</a>	
TP-08		2	.	0	.	0			
TP-08	2000-06-23	3	.	0	.	0		<a href="#">get it</a>	
edito	2000-08-28	3	.	0	.	1		<a href="#">get it</a>	
TP-09	2000-10-05	3	.	1	.	0		<a href="#">get it</a>	
TP-10	2000-12-21	3	.	2	.	0		<a href="#">get it</a>	
TP-11	2001-03-28	3	.	3	.	0		<a href="#">get it</a>	
TP-12	2001-06-18	3	.	4	.	0		<a href="#">get it</a>	
TP-13	2001-10-03	3	.	5	.	0		<a href="#">get it</a>	
TP-14	2002-01-09	3	.	6	.	0		<a href="#">get it</a>	
TP-15	2002-03-21	3	.	7	.	0		<a href="#">get it</a>	
TP-16	2002-06-17	3	.	8	.	0		<a href="#">get it</a>	
TP-17	2002-09-05	3	.	9	.	0		<a href="#">get it</a>	
TP-18	2002-12-18	3	.	10	.	0		<a href="#">get it</a>	
TP-19	2003-03-24	3	.	11	.	0		<a href="#">get it</a>	
TP-22	2004-01-19	3	.	12	.	0		<a href="#">get it</a>	

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## TS 34.123-1 User Equipment (UE) conformance specification; Part 1: Protocol conformance specification

R99 *current version:* 3.5.0 *WG (prime / other):* T1 / - *rapporteur:* SULTAN, Alain SOURCE COM  
*freeze\_meeting:* SP-08 G: U: yes *MCC:* SULTAN, Alain

*history (event, available, version, comments):*

TP-03	1999-04-23	0	.	0	.	0		<a href="#">get it</a> <i>remarks - general:</i>
TP-05	1999-10-08	0	.	0	.	4		<a href="#">get it</a> <i>remarks - this release:</i>
TP-06	1999-12-17	1	.	0	.	0		<a href="#">get it</a>
manicure	2000-03-23	1	.	0	.	1		<a href="#">get it</a>
TP-08		2	.	0	.	0		
TP-08	2000-06-23	3	.	0	.	0		<a href="#">get it</a>
TP-09	2000-10-10	3	.	1	.	0		<a href="#">get it</a>
TP-10	2001-01-09	3	.	2	.	0		<a href="#">get it</a>
TP-11	2001-03-28	3	.	3	.	0		<a href="#">get it</a>
TP-12	2001-06-28	3	.	4	.	0		<a href="#">get it</a>
TP-13	2001-10-03	3	.	5	.	0		<a href="#">get it</a>

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## TS 34.123-2 User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification

R99 *current version:* 3.5.0 *WG (prime / other):* T1 / - *rapporteur:* HU, Shicheng ETSI Secretariat  
*freeze\_meeting:* SP-10 G: U: yes *MCC:* SULTAN, Alain

*history (event, available, version, comments):*

TP-03	1999-04-23	0	.	0	.	1		<a href="#">get it</a> <i>remarks - general:</i>
TP-05	1999-10-08	0	.	0	.	6		<a href="#">get it</a> <i>remarks - this release:</i> TSG#8: aprvl target postponed to end-00;TP-000137 TSG#9:2.0.0->3.1.0 (no 3.0.0 to keep in step with part 1).
TP-06	1999-12-17	1	.	0	.	0		<a href="#">get it</a>
TP-07	2000-03-15	1	.	0	.	1		<a href="#">get it</a>
TP-09	2000-09-22	2	.	0	.	0		<a href="#">get it</a>
TP-09	2000-10-06	3	.	1	.	0		<a href="#">get it</a>
TP-10	2001-01-09	3	.	2	.	0		<a href="#">get it</a>
TP-11	2001-03-28	3	.	3	.	0		<a href="#">get it</a>
TP-12	2001-06-28	3	.	4	.	0		<a href="#">get it</a>
TP-13	2001-10-04	3	.	5	.	0		<a href="#">get it</a>

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## TS 34.123-3 User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSS)

R99	current version: 3.5.1	WG (prime / other): T1 / -	rapporteur: HU, Shicheng	ETSI Secretariat
	freeze_meeting: SP-13	G: U: yes	MCC: SULTAN, Alain	
<i>history (event, available, version, comments):</i>				
	TP-03 1999-04-23	0 . 0 . 0	<a href="#">get it</a>	remarks - general:
	Start work if STF	0 . 0 . 1		remarks - this release:
	fund +T2 input avail.			
	TP-11 2001-03-28	1 . 0 . 0	<a href="#">get it</a>	
	TP-12 2001-06-28	1 . 0 . 3	<a href="#">get it</a>	TP-010124
	draft 2001-10-11	1 . 0 . 5	<a href="#">get it</a>	
	TP-18 2002-12-16	2 . 0 . 0	<a href="#">get it</a>	text = TP-020301 (see also TP-020302), ttcn = TP-020320 which will be available by 2002-12-20.
	TP-18 2002-12-18	3 . 0 . 0	<a href="#">get it</a>	Availability delayed pending availability of .mp file.
	TP-19 2003-04-09	3 . 1 . 0	<a href="#">get it</a>	
	TP-20 2003-07-04	3 . 2 . 0	<a href="#">get it</a>	late availability due to delay in checking by WG members
	TP-20 2003-07-15	3 . 2 . 1	<a href="#">get it</a>	Fixes bug in Telelogic tool output.
	TP-21 2003-10-31	3 . 3 . 0	<a href="#">get it</a>	TTCN verification performed by Anritsu & Racal.
	TP-22 2004-01-12	3 . 4 . 0	<a href="#">get it</a>	
	TP-23 2004-03-29	3 . 5 . 0	<a href="#">get it</a>	no MP file - to follow
post TP-23 edito	2004-04-14	3 . 5 . 1	<a href="#">get it</a>	Reorders some misplaced subclauses
	TP-23 2004-04-13	3 . 5 . 1	<a href="#">get it</a>	With MP file.

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## TS 34.123-3 User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSS)

R99	current version: 3.5.1	WG (prime / other): T1 / -	rapporteur: HU, Shicheng	ETSI Secretariat
	freeze_meeting: SP-13	G: U: yes	MCC: SULTAN, Alain	
history (event, available, version, comments):				
	TP-03 1999-04-23	0 . 0 . 0	<a href="#">get it</a>	remarks - general:
	Start work if STF	0 . 0 . 1		remarks - this release:
	fund +T2 input avail.			
	TP-11 2001-03-28	1 . 0 . 0	<a href="#">get it</a>	
	TP-12 2001-06-28	1 . 0 . 3	<a href="#">get it</a>	TP-010124
	draft 2001-10-11	1 . 0 . 5	<a href="#">get it</a>	
	TP-18 2002-12-16	2 . 0 . 0	<a href="#">get it</a>	text = TP-020301 (see also TP-020302), ttcn = TP-020320 which will be available by 2002-12-20.
	TP-18 2002-12-18	3 . 0 . 0	<a href="#">get it</a>	Availability delayed pending availability of .mp file.
	TP-19 2003-04-09	3 . 1 . 0	<a href="#">get it</a>	
	TP-20 2003-07-04	3 . 2 . 0	<a href="#">get it</a>	late availability due to delay in checking by WG members
	TP-20 2003-07-15	3 . 2 . 1	<a href="#">get it</a>	Fixes bug in Telelogic tool output.
	TP-21 2003-10-31	3 . 3 . 0	<a href="#">get it</a>	TTCN verification performed by Anritsu & Racal.
	TP-22 2004-01-12	3 . 4 . 0	<a href="#">get it</a>	
	TP-23 2004-03-29	3 . 5 . 0	<a href="#">get it</a>	no MP file - to follow
	post TP-23 edito	2004-04-14	<a href="#">get it</a>	Reorders some misplaced subclauses
	TP-23 2004-04-13	3 . 5 . 1	<a href="#">get it</a>	With MP file.

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ACTIVE specs R99 34 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/34\\_series](http://www.3gpp.org/ftp/Specs/archive/34_series)

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## TS 34.124 Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment

R99 *current version:* 3.4.0 *WG (prime / other):* R4 / - *rapporteur:* SOERENSEN, Ole NOKIA Corporation  
*freeze\_meeting:* SP-07 *G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version, comments):*

TP-03	1999-04-23	0	0	1	<a href="#">get it</a> <i>remarks - general:</i> T1->R4@TSG#10
draft	1999-07-15	1	0	0	<a href="#">get it</a> <i>remarks - this release:</i>
draft	1999-08-15	1	0	1	<a href="#">get it</a>
draft	1999-09-15	1	1	0	<a href="#">get it</a>
TP-05	1999-10-08	1	2	0	<a href="#">get it</a>
TP-06	1999-12-17	1	2	2	<a href="#">get it</a>
draft	2000-02-15	1	3	0	<a href="#">get it</a>
SWG T1 EMC at meeting-08	2000-02-28	2	0	0	<a href="#">get it</a>
TP-07		2	0	1	SP-000034
TP-07	2000-03-15	3	0	0	<a href="#">get it</a>
TP-09	2000-10-05	3	1	0	<a href="#">get it</a>
RP-10	2001-01-09	3	2	0	<a href="#">get it</a>
RP-11	2001-04-05	3	3	0	<a href="#">get it</a>
RP-19	2003-04-04	3	4	0	<a href="#">get it</a>

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## TR 34.901 Test Time Optimisation based on statistical approaches; Statistical theory applied and evaluation of statistical significance

R99 *current version:* 3.0.0 *WG (prime / other):* T1 / - *rapporteur:* YOKOYAMA, Mitsuru Agilent Technologies Japan, Ltd  
*freeze\_meeting:* SP-06 *G:* *U:* yes *MCC:* SULTAN, Alain

*history (event, available, version, comments):*

TP-20	2003-06-17	2	0	0	TP-030105 <a href="#">get it</a> <i>remarks - general:</i> 2002-09-16: 34.801 -> 34.901.
TP-20	2003-06-17	2	0	1	TP-030145 (clause 4 modified). Doc <a href="#">get it</a> <i>remarks - this release:</i> 2002-09-26: Anticipate approval at TP-18. claims to be v2.0.0
TP-20	2003-06-18	3	0	0	<a href="#">get it</a>

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## TR 34.907 Report on electrical safety requirements and regulations

R99 *current version:* 3.0.0 *WG (prime / other):* T2 / - *rapporteur:* IIMORI, Eiji Toshiba Corporation, Digital Media Network Company  
*freeze\_meeting:* SP-05 *G:* *U:* yes *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*

TP-03	1999-04-23	1	0	0	<a href="#">get it</a> <i>remarks - general:</i>
TP-05	1999-10-08	3	0	0	<a href="#">get it</a> <i>remarks - this release:</i> .

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**TR 34.925 Specific Absorption Rate (SAR) requirements and regulations in different regions**

R99 *current version:* 3.0.0 *WG (prime / other):* T2 / - *rapporteur:* JOHNSSON, Sven Telefon AB LM Ericsson  
*freeze\_meeting:* SP-04 *G:* *U:* yes *MCC:* RODERMUND, Friedhelm  
*history (event, available, version, comments):*  
TP-03 1999-04-23 1 . 0 . 0 [get it](#) *remarks - general:*  
TP-04 1999-06-18 3 . 0 . 0 [get it](#) *remarks - this release:* .

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R99 **35** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/35\\_series](http://www.3gpp.org/ftp/Specs/archive/35_series)

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**TS 35.201 Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications**

R99 *current version:* 3.2.0 *WG (prime / other):* S3 / - *rapporteur:* WALKER, Michael VODAFONE Group Plc  
*freeze\_meeting:* SP-07 *G:* *U:* yes *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
SP-07 2000-03-17 3 . 1 . 0 SAGE only supplied PDF, so no real [get it](#) *remarks - general:* ex SAGE; supplied by ETSI under licence  
deliverable yet available *remarks - this release:*  
Formatting 2001-07-12 3 . 1 . 1 Sage makes source file available. [get it](#)  
IPR, licence text 2001-08-20 3 . 1 . 2 [get it](#)  
SP-14 2002-01-07 3 . 2 . 0 [get it](#)

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**TS 35.202 Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification**

R99 *current version:* 3.1.2 *WG (prime / other):* S3 / - *rapporteur:* WALKER, Michael VODAFONE Group Plc  
*freeze\_meeting:* SP-07 *G:* *U:* yes *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
SP-07 2000-03-17 3 . 1 . 0 SAGE only supplied PDF, so no real [get it](#) *remarks - general:* ex SAGE; supplied by ETSI under licence  
deliverable yet available *remarks - this release:*  
Formatting 2001-07-12 3 . 1 . 1 Sage makes source file available. [get it](#)  
IPR, licence text 2001-08-20 3 . 1 . 2 [get it](#)

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<b>TS 35.203</b>	<b>Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data</b>						
R99	<i>current version:</i> 3.1.2			<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WALKER, Michael	VODAFONE Group Plc	
	<i>freeze_meeting:</i> SP-07			<i>G:</i>	<i>MCC:</i> POPE, Maurice		
	<i>U:</i> yes						
<i>history (event, available, version, comments):</i>							
	SP-07	2000-03-17	3 . 1 . 0	SAGE only supplied PDF, so no real deliverable yet available	<a href="#">get it</a>	<i>remarks - general:</i> ex SAGE; supplied by ETSI under licence	
	Formatting	2001-07-16	3 . 1 . 1	Sage makes source file available.	<a href="#">get it</a>	<i>remarks - this release:</i>	
	IPR, licence text	2001-08-20	3 . 1 . 2		<a href="#">get it</a>		

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<b>TS 35.204</b>	<b>Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data</b>						
R99	<i>current version:</i> 3.1.2			<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WALKER, Michael	VODAFONE Group Plc	
	<i>freeze_meeting:</i> SP-07			<i>G:</i>	<i>MCC:</i> POPE, Maurice		
	<i>U:</i> yes						
<i>history (event, available, version, comments):</i>							
	SP-07	2000-03-17	3 . 1 . 0	SAGE only supplied PDF, so no real deliverable yet available	<a href="#">get it</a>	<i>remarks - general:</i> ex SAGE; supplied by ETSI under licence	
	Formatting	2001-07-12	3 . 1 . 1	Sage makes source file available.	<a href="#">get it</a>	<i>remarks - this release:</i>	
	IPR, licence text	2001-08-20	3 . 1 . 2		<a href="#">get it</a>		

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## UMTS

UMTS 21 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/21\\_series](http://www.3gpp.org/ftp/Specs/archive/21_series)

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<b>TR 21.01U</b>	<b>Requirements for the UMTS Terrestrial Radio Access (UTRA) system</b>						
UMTS	<i>current version:</i> 3.0.1			<i>WG (prime / other):</i> GP / -	<i>rapporteur:</i> MOULSLEY, Tim	Philips Research Laboratories	
	<i>freeze_meeting:</i>			<i>G:</i>	<i>MCC:</i> USAI, Paolino		
	<i>U:</i>						
<i>history (event, available, version, comments):</i>							
	draft		1 . 0 . 0		<i>remarks - general:</i> Produced by ETSI SMG2.		
	smg-22	1997-06-13	3 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	ETSI publication	1997-11-28	3 . 0 . 1		<a href="#">get it</a>		

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ACTIVE specs UMTS 30 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/30\\_series](http://www.3gpp.org/ftp/Specs/archive/30_series)

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UMTS **30** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/30\\_series](http://www.3gpp.org/ftp/Specs/archive/30_series)

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**TR 30.03U Selection procedures for the choice of radio transmission technologies of the UMTS**

UMTS *current version:* 3.2.0 *WG (prime / other):* GP / - *rapporteur:* BLANC, Patrick ALCATEL S.A.  
*freeze\_meeting:* G: U: *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
TC change control 1997-06-13 3 . 0 . 0 [get it](#) *remarks - general:*  
smg-23 1997-10-17 3 . 1 . 0 [get it](#) *remarks - this release:*  
smg-25 1998-03-20 3 . 2 . 0 [get it](#)

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**TR 30.06U UTRA Concept Evaluation Reports**

UMTS *current version:* 3.0.0 *WG (prime / other):* GP / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*freeze\_meeting:* G: U: *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
First complete draft 1997-12-01 1 . 0 . 0 [get it](#) *remarks - general:*  
smg-24 1997-12-15 3 . 0 . 0 [get it](#) *remarks - this release:*

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## R98

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R98 **01** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/01\\_series](http://www.3gpp.org/ftp/Specs/archive/01_series)

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**TS 01.01 Technical Specifications and Technical Reports for a GERAN-based 3GPP system**

R98 *current version:* 7.0.0 *WG (prime / other):* SP / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
*freeze\_meeting:* G: yes U: *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
SP-20 2003-06-25 7 . 0 . 0 [get it](#) *remarks - general:* post-SP-19: title changed from "GSM Release 1999 Specifications" to cater for  
*remarks - this release:* . backwards extension to earlier releases.

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ACTIVE specs R98 01 .- series  
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<b>TR 01.04</b>	<b>Abbreviations and acronyms</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> GP / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>
<hr/>						
<b>TR 01.31</b>	<b>Fraud Information Gathering System (FIGS); Service requirements; Stage 0</b>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WRIGHT, Tim	Indicate persons who left Company and wait for new One		
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version, comments):</i>					
	smg-25 1998-03-20 7 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
	smg-26 1998-06-26 7 . 0 . 1				<a href="#">get it</a>	<i>remarks - this release:</i>
<hr/>						
<b>TR 01.33</b>	<b>Lawful Interception requirements for GSM</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> MCKIBBEN, Bernie	MOTOROLA GmbH		
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version, comments):</i>					
	smg-25 1998-03-20 7 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #25: 7.0.0 (renumbered from 10.20)
<hr/>						
<b>TS 01.56</b>	<b>GSM Cordless Telephony System (CTS) (Phase 1); CTS Authentication and Key Generation Algorithms Requirements</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> POIRAUD, Patrick	ALCATEL S.A.		
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-28 1 . 0 . 0					<i>remarks - general:</i>
	smg-29 1999-06-25 7 . 0 . 0				<a href="#">get it</a>	<i>remarks - this release:</i>
<hr/>						
<b>TS 01.61</b>	<b>General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WALKER, Michael	VODAFONE Group Plc		
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version, comments):</i>					
	upgrade to R98 2001-10-04 7 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .

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R98 02 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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**TS 02.01 Principles of telecommunication services supported by a GSM Public Land Mobile Network (PLMN)**

R98 *current version:* 7.1.0 *WG (prime / other):* S1 / - *rapporteur:* KOKKOLA, Tommi NOKIA Corporation  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
smg-28 1999-02-12 7 . 0 . 0 [get it](#) *remarks - general:*  
smg-29 1999-06-25 7 . 1 . 0 [get it](#) *remarks - this release:*

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**TS 02.02 Bearer Services (BS) Supported by a GSM Public Land Mobile Network (PLMN)**

R98 *current version:* 7.0.2 *WG (prime / other):* S1 / - *rapporteur:* CARPENTER, Paul Research In Motion Limited  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
smg-28 1999-02-12 7 . 0 . 0 [get it](#) *remarks - general:*  
smg-29 1999-06-25 7 . 0 . 1 [get it](#) *remarks - this release: #28: 7.0.0*  
ETSI publication 1999-12-13 7 . 0 . 2 [get it](#)

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**TS 02.03 Teleservices Supported by a GSM Public Land Mobile Network (PLMN)**

R98 *current version:* 7.0.0 *WG (prime / other):* S1 / - *rapporteur:* KOKKOLA, Tommi NOKIA Corporation  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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**TS 02.04 General on Supplementary Services**

R98 *current version:* 7.1.2 *WG (prime / other):* S1 / - *rapporteur:* CARPENTER, Paul Research In Motion Limited  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
smg-25 1998-03-20 7 . 0 . 0 [get it](#) *remarks - general:*  
smg-28 1999-02-12 7 . 1 . 0 [get it](#) *remarks - this release:*  
smg-29 1999-06-25 7 . 1 . 1 [get it](#)  
ETSI publication 1999-12-28 7 . 1 . 2 [get it](#)

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<b>TS 02.06</b>	<b>Types of Mobile Stations (MS)</b>								
R98	<i>current version:</i> 7.0.1			<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> WATSON, John		VODAFONE Group Plc		
	<i>freeze_meeting:</i> smg-29			<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	smg-29 1999-06-25	7	. 0	. 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication 1999-12-29	7	. 0	. 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>									
<b>TS 02.07</b>	<b>Mobile Station (MS) Features</b>								
R98	<i>current version:</i> 7.1.0			<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> WATSON, John		VODAFONE Group Plc		
	<i>freeze_meeting:</i> smg-29			<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	smg-27 1998-10-16	7	. 0	. 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication 1999-08-03	7	. 0	. 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-07 2000-03-15	7	. 1	. 0	<a href="#">get it</a>				
<hr/>									
<b>TS 02.09</b>	<b>Security aspects</b>								
R98	<i>current version:</i> 7.1.1			<i>WG (prime / other):</i> S3 / S1 / NP	<i>rapporteur:</i>		CHRISTOFFERSSON, Per	TeliaSonera AB	
	<i>freeze_meeting:</i> smg-29			<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice				
	<i>history (event, available, version, comments):</i>								
	smg-29 1999-06-25	7	. 0	. 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication 2000-01-12	7	. 0	. 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-31 2000-02-16	7	. 1	. 0	<a href="#">get it</a>				
	ETSI publication 2000-08-29	7	. 1	. 1	<a href="#">get it</a>				
<hr/>									
<b>TS 02.11</b>	<b>Service accessibility</b>								
R98	<i>current version:</i> 7.1.0			<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> IBIDUN, Kunle		ORANGE PCS LTD		
	<i>freeze_meeting:</i> smg-29			<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	smg-27 1999-10-16	7	. 0	. 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication 1999-08-03	7	. 0	. 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-11 2001-04-02	7	. 1	. 0	<a href="#">get it</a>				

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<b>TS 02.16</b>	<b>International Mobile Station Equipment Identities (IMEI)</b>					
R98	<i>current version:</i> 7.2.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	KOKKOLA, Tommi	NOKIA Corporation
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-30 1999-11-11 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	
	SP-08 2000-06-23 7 . 2 . 0			<a href="#">get it</a>		
<hr/>						
<b>TS 02.17</b>	<b>Subscriber Identity Module (SIM); Functional characteristics</b>					
R98	<i>current version:</i> 7.1.1	<i>WG (prime / other):</i>	T3 / S1	<i>rapporteur:</i>	HOOKER, Philip	ORANGE PCS LTD
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	JURISIC, Andrijana	
	<i>history (event, available, version, comments):</i>					
	smg-26 1998-06-26 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-27 1998-10-16 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-29 1999-06-25 7 . 1 . 1			<a href="#">get it</a>		
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<b>TS 02.19</b>	<b>Subscriber Identity Module Application Programming Interface (SIM API); Stage 1</b>					
R98	<i>current version:</i> 7.1.0	<i>WG (prime / other):</i>	T3 / -	<i>rapporteur:</i>	DIETRICH, Christian	Axalto S.A.
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	JURISIC, Andrijana	
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> SMG9->T3@#31	
	smg-29 1999-06-25 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	
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<b>TS 02.22</b>	<b>Stage 1 for personalisation of GSM ME</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i>	S1 /	<i>rapporteur:</i>	POIRAUD, Patrick	ALCATEL S.A.
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	
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<b>TS 02.24</b>	<b>Description of Charge Advice Information (CAI)</b>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i>	S1 /	<i>rapporteur:</i>	DEOL, Amar	Nortel Networks (USA)
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
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	ETSI publication 2000-01-12 7 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i>	

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<b>TS 02.30</b>	<b>Man-machine Interface (MMI) of the Mobile Station (MS)</b>					
R98	<i>current version:</i> 7.1.1	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> JEAL, David	VODAFONE Group Plc		
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC: CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-28 1999-02-12 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-29 1999-06-25 7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	editorial 2002-07-19 7 . 1 . 1	<a href="#">get it</a>				
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<b>TS 02.31</b>	<b>Fraud Information Gathering System (FIGS); Service description; Stage 1</b>					
R98	<i>current version:</i> 7.1.1	<i>WG (prime / other):</i> S3 /	<i>rapporteur:</i> WRIGHT, Tim	Indicate persons who left Company and wait for new One		
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC: POPE, Maurice			
	<i>history (event, available, version, comments):</i>					
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	smg-26 1998-06-26 7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-29 1999-06-25 7 . 1 . 1	<a href="#">get it</a>				
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<b>TS 02.32</b>	<b>Immediate Service Termination (IST); Service description; Stage 1</b>					
R98	<i>current version:</i> 7.1.1	<i>WG (prime / other):</i> S3 /	<i>rapporteur:</i> WRIGHT, Tim	Indicate persons who left Company and wait for new One		
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC: POPE, Maurice			
	<i>history (event, available, version, comments):</i>					
	draft 1996-06-26 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	draft 1998-03-01 2 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
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	smg-26 1998-06-26 7 . 1 . 0	<a href="#">get it</a>				
	smg-29 1999-06-25 7 . 1 . 1	<a href="#">get it</a>				
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<b>TS 02.33</b>	<b>Lawful Interception (LI); Stage 1</b>					
R98	<i>current version:</i> 7.3.0	<i>WG (prime / other):</i> S3 /	<i>rapporteur:</i> MCKIBBEN, Bernie	MOTOROLA GmbH		
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC: POPE, Maurice			
	<i>history (event, available, version, comments):</i>					
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	smg-27 1998-10-16 7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
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	editorial 7 . 2 . 1					
	smg-29 1999-06-25 7 . 3 . 0	<a href="#">get it</a>				

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<b>TS 02.34</b>	<b>High Speed Circuit Switched Data (HSCSD); Stage 1</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> KOKKOLA, Tommi	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
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<b>TS 02.40</b>	<b>Procedures for Call Progress Indications</b>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> S1 / NP	<i>rapporteur:</i> DEOL, Amar	Nortel Networks (USA)		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
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	edito 1999-07-28 7 . 0 . 1				<a href="#">get it</a>	<i>remarks - this release:</i>
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<b>TS 02.41</b>	<b>Operator Determined Barring</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> WATSON, John	VODAFONE Group Plc		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
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<b>TS 02.42</b>	<b>Network Identity and Timezone (NITZ); Service Description, Stage 1</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>
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<b>TS 02.43</b>	<b>Support of Localised Service Area (SoLSA); Service description; Stage 1</b>					
R98	<i>current version:</i> 7.3.0	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> KOKKOLA, Tommi	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
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	smg-28 7 . 1 . 0					<i>remarks - this release:</i>
	SP-05 7 . 2 . 0					
	SP-08 2000-09-07 7 . 3 . 0				<a href="#">get it</a>	

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<b>TS 02.48</b>	<b>Security mechanisms for the SIM Application Toolkit; Stage 1</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> T3 / S3	<i>rapporteur:</i> BARNES, Nigel	MOTOROLA Ltd		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> JURISIC, Andrijana			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> SMG9->T3@#31			
			<i>remarks - this release:</i>			
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<b>TS 02.53</b>	<b>Tandem Free Operation (TFO); Service description; Stage 1</b>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> S4 /	<i>rapporteur:</i> NAVARRO, William	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-25 1998-03-20 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> SMG11->S4 at SMG#30			
	ETSI publication 1999-08-16 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
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<b>TS 02.56</b>	<b>GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1</b>					
R98	<i>current version:</i> 7.2.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> POIRAUD, Patrick	ALCATEL S.A.		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-28 1999-02-12 7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #27: 7.0.0 #28: 7.1.0 #29: 7.2.0			
	ETSI PE 1999-05-26 7 . 1 . 1	<a href="#">get it</a>				
	smg-29 1999-06-25 7 . 2 . 0	<a href="#">get it</a>				
	ETSI publication 2000-09-05 7 . 2 . 1	<a href="#">get it</a>				
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<b>TS 02.57</b>	<b>Mobile Station Application Execution Environment (MExE) Service description Stage 1</b>					
R98	<i>current version:</i> 7.1.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
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<b>TS 02.60</b>	<b>General Packet Radio Service Stage 1 Description</b>					
R98	<i>current version:</i> 7.5.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	CARPENTER, Paul	Research In Motion Limited
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
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	smg-28 1999-02-12 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	#25: 7.0.0 (5.x.y withdrawn) #28: 7.1.0 #29: 7.2.0 TSG#5 7.3.0. Suspect TSG#5 CR not approved. TSG#7: 7.4.0 TSG#8:7.5.0
	smg-29 1999-06-25 7 . 2 . 0			<a href="#">get it</a>		
	SP-05 1999-10-08 7 . 3 . 0			<a href="#">get it</a>		
	SP-07 2000-03-15 7 . 4 . 0			<a href="#">get it</a>		
	SP-08 2000-06-23 7 . 5 . 0			<a href="#">get it</a>		
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<b>TS 02.63</b>	<b>Packet Data on Signalling channels Service (PDS); Stage 1</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	HECHWARTNER, Roland	T-Mobile AUSTRIA GmbH
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
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					<i>remarks - this release:</i>	
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<b>TS 02.66</b>	<b>Support of Mobile Number Portability (MNP); Service description; Stage 1</b>					
R98	<i>current version:</i> 7.1.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	ZARRI, Michele	T-Mobile (UK) Ltd
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
	smg-25 1998-03-20 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	SP-07 2000-03-15 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	#25: 7.0.0 (5.0.0 withdrawn) TSG#7: 7.1.0
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<b>TS 02.67</b>	<b>Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 1</b>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	SWETINA, Joerg	SIEMENS AG
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
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	ETSI publication 2000-01-12 7 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i>	

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<b>TS 02.68</b>	<b>Voice Group Call Service (VGCS); Stage 1</b>					
R98	<i>current version:</i> 7.0.2	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	CLAYTON, Michael	EMCOM Ltd
	<i>freeze_meeting:</i> smg-29	G: yes U:		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
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	edito 1999-06-25 7 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i>	
	publish EN 300 925 2000-08-24 7 . 0 . 2			<a href="#">get it</a>		
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<b>TS 02.69</b>	<b>Voice Broadcast Service (VBS); Stage 1</b>					
R98	<i>current version:</i> 7.0.2	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	CLAYTON, Michael	EMCOM Ltd
	<i>freeze_meeting:</i> smg-29	G: yes U:		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
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	smg-29 1999-06-25 7 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release: #28: 7.0.0</i>	
	ETSI publication 1999-12-29 7 . 0 . 2			<a href="#">get it</a>		
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<b>TS 02.71</b>	<b>Location Services (LCS); Stage 1</b>					
R98	<i>current version:</i> 7.3.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	DEOL, Amar	Nortel Networks (USA)
	<i>freeze_meeting:</i> smg-29	G: yes U:		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
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	SP-06 1999-12-15 7 . 2 . 0			<a href="#">get it</a>		
	SP-11 2001-04-06 7 . 3 . 0			<a href="#">get it</a>		
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<b>TS 02.72</b>	<b>Call Deflection Service description; Stage 1</b>					
R98	<i>current version:</i> 7.2.1	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	HECHWARTNER, Roland T-Mobile AUSTRIA GmbH	
	<i>freeze_meeting:</i> smg-29	G: yes U:		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
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	smg-28 1999-02-12 7 . 2 . 0			<a href="#">get it</a>		
	smg-29 1999-06-25 7 . 2 . 1			<a href="#">get it</a>		

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<b>TS 02.78</b>	<b>Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)</b>					
R98	<i>current version:</i> 7.2.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> GRECH, Michel	Lucent Technologies Network Systems UK		
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-10 2001-01-12 7 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-14 2002-01-14 7 . 2 . 0		<a href="#">get it</a>			
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<b>TS 02.79</b>	<b>Support of Optimal Routeing (SOR); Service definition (Stage 1)</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
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				<i>remarks - this release:</i> #29: 7.0.0		
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<b>TS 02.81</b>	<b>Line Identification Supplementary Services; Stage 1</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> BLOMSTRAND, Ola	TeliaSonera AB		
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
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				<i>remarks - this release:</i> #29: 7.0.0		
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<b>TS 02.82</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 1</b>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> IBIDUN, Kunle	ORANGE PCS LTD		
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-28 1999-02-12 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-29 1999-06-25 7 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> #28: 7.0.0		
<hr/>						
<b>TS 02.83</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i> #29: 7.0.0		

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<b>TS 02.84</b>	<b>MultiParty (MPty) Supplementary Services; Stage 1</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> SWETINA, Joerg	SIEMENS AG		
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC: CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #29: 7.0.0
<hr/>						
<b>TS 02.85</b>	<b>Closed User Group (CUG) Supplementary Services; Stage 1</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> BLOMSTRAND, Ola	TeliaSonera AB		
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC: CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #29: 7.0.0
<hr/>						
<b>TS 02.86</b>	<b>Advice of Charge (AoC) Supplementary Services; Stage 1</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> DEOL, Amar	Nortel Networks (USA)		
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC: CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #29: 7.0.0
<hr/>						
<b>TS 02.87</b>	<b>User-to-User Signalling (UUS) Service Description; Stage 1</b>					
R98	<i>current version:</i> 7.1.2	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> ACHTER, Johannes	T-Mobile AUSTRIA GmbH		
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC: CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-25 1998-03-20 7 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
	smg-28 1999-02-12 7 . 1 . 0				<a href="#">get it</a>	<i>remarks - this release:</i> #25: 7.0.0 (5.x.y withdrawn) #28: 7.1.0 #29: 7.1.1
	smg-29 1999-06-25 7 . 1 . 1				<a href="#">get it</a>	
	ETSI publication 1999-12-16 7 . 1 . 2				<a href="#">get it</a>	
<hr/>						
<b>TS 02.88</b>	<b>Call Barring (CB) Supplementary Services; Stage 1</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> ACHTER, Johannes	T-Mobile AUSTRIA GmbH		
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC: CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #29: 7.0.0

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<b>TS 02.90</b>	<b>Unstructured Supplementary Service Data (USSD); Stage 1</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> IGNATIUS, Jan	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC: CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #29: 7.0.0
<hr/>						
<b>TS 02.91</b>	<b>Explicit Call Transfer (ECT)</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> SWETINA, Joerg	SIEMENS AG		
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC: CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #29: 7.0.0
<hr/>						
<b>TS 02.93</b>	<b>Completion of Calls to Busy Subscriber (CCBS) Service Description; Stage 1</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC: CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #29: 7.0.0
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<b>TS 02.95</b>	<b>Support of Private Numbering Plan (SPNP); Service description; Stage 1</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC: CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #29: 7.0.0
<hr/>						
<b>TS 02.96</b>	<b>Name Identification Supplementary Services; Stage 1</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC: CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #29: 7.0.0

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**TS 02.97 Multiple Subscriber Profile (MSP) Service description, Stage 1**

R98 *current version:* 7.1.0 *WG (prime / other):* S1 / - *rapporteur:* DEOL, Amar Nortel Networks (USA)  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
smg-25 1998-03-20 7 . 0 . 0 [get it](#) *remarks - general:*  
smg-29 1999-06-25 7 . 1 . 0 [get it](#) *remarks - this release:* #25: 7.0.0 (5.x.y withdrawn) #29: 7.1.0

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**TS 03.01 Network Functions**

R98 *current version:* 7.0.0 *WG (prime / other):* S2 / NP *rapporteur:* GAASVIK, Per-Ola COMVIQ GSM AB  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* YOON, Sang-Ui  
*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0 [get it](#) *remarks - general:* SMG3->SA2 @ TSG#7  
*remarks - this release:* #29:7.0.0

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**TS 03.02 Network Architecture**

R98 *current version:* 7.1.0 *WG (prime / other):* S2 / NP / T2 *rapporteur:* MILINSKI, Alexander SIEMENS AG  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* YOON, Sang-Ui  
*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0 [get it](#) *remarks - general:*  
SP-06 1999-12-17 7 . 1 . 0 [get it](#) *remarks - this release:* #29: 7.0.0 S#6: 7.1.0

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<b>TS 03.03</b>	<b>Numbering, Addressing and Identification</b>					
R98	<i>current version:</i> 7.8.0		<i>WG (prime / other):</i> N4 / T2	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE LTD	
	<i>freeze_meeting:</i> smg-29		<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>					
	smg-28 1999-02-12 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-29 1999-06-25 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	
	NP-05 1999-10-08 7 . 2 . 0			<a href="#">get it</a>		
	NP-06 1999-12-15 7 . 3 . 0			<a href="#">get it</a>		
	edito 2000-02-11 7 . 3 . 1			<a href="#">get it</a>		
	NP-07 1999-03-15 7 . 4 . 0			<a href="#">get it</a>		
	NP-08 2000-03-17 7 . 5 . 0			<a href="#">get it</a>		
	NP-12 2001-06-27 7 . 6 . 0			<a href="#">get it</a>		
	NP-16 2002-06-26 7 . 7 . 0	SA did not approve companion CRs to 02.16.		<a href="#">get it</a>		
	NP-21 2003-10-09 7 . 8 . 0			<a href="#">get it</a>		
<hr/>						
<b>TR 03.05</b>	<b>Technical performance objectives</b>					
R98	<i>current version:</i> 7.0.0		<i>WG (prime / other):</i> NP / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat	
	<i>freeze_meeting:</i> smg-29		<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David		
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i> #29: 7.0.0	
<hr/>						
<b>TS 03.07</b>	<b>Restoration Procedures</b>					
R98	<i>current version:</i> 7.1.0		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David	VODAFONE LTD	
	<i>freeze_meeting:</i> smg-29		<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	NP-06 1999-12-15 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	

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<b>TS 03.08</b>	<b>Organization of Subscriber Data</b>					
R98	<i>current version:</i> 7.5.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> BAUER, Rolf	ALCATEL SEL AG		
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC: KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-28 1999-02-12 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-29 1999-06-25 7 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-06 1999-12-17 7 . 2 . 0		<a href="#">get it</a>			
	NP-07 2000-03-15 7 . 3 . 0		<a href="#">get it</a>			
	NP-09 2000-10-31 7 . 4 . 0		<a href="#">get it</a>			
	NP-20 2003-06-27 7 . 5 . 0		<a href="#">get it</a>			

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<b>TS 03.09</b>	<b>Handover Procedures</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> FARHOUMAND, Rouzbeh	Ericsson Incorporated		
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC: JORGENSEN, Per Johan			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i> #29: 7.0.0		

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<b>TS 03.10</b>	<b>GSM Public Land Mobile Network (PLMN) Connection Types</b>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat		
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC: BOSWARTHICK, David			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-29 1999-06-26 7 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>		

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<b>TS 03.11</b>	<b>Technical Realization of Supplementary Services - General Aspects</b>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> HABERMANN, Steffen	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC: KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI publication 2000-01-12 7 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> #29: 7.0.0		

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<b>TS 03.12</b>	<b>Location Registration Procedures</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #29: 7.0.0
<hr/>						
<b>TS 03.13</b>	<b>Discontinuous Reception (DRX) in the GSM System</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #29: 7.0.0
<hr/>						
<b>TS 03.14</b>	<b>Support of Dual Tone Multi-Frequency Signalling (DTMF) via the GSM System</b>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> ZAUS, Robert	SIEMENS AG		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version, comments):</i>					
	smg-28 1999-02-12 7 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
	edito 1999-08-10 7 . 0 . 1				<a href="#">get it</a>	<i>remarks - this release:</i> #28: 7.0.0
<hr/>						
<b>TS 03.15</b>	<b>Technical Realization of Operator Determined Barring</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David	VODAFONE LTD		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #29: 7.0.0

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## TS 03.16 Subscriber Data Management

R98 *current version: 7.7.0* WG (prime / other): N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* smg-29 G: yes U: *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

smg-28	1999-02-12	7	0	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-29	1999-06-25	7	1	0	<a href="#">get it</a> <i>remarks - this release:</i>
NP-06	1999-12-15	7	2	0	<a href="#">get it</a>
NP-07	2000-03-15	7	3	0	<a href="#">get it</a>
NP-09	2000-10-31	7	4	0	<a href="#">get it</a>
NP-11	2001-04-02	7	5	0	<a href="#">get it</a>
NP-17	2002-09-17	7	6	0	<a href="#">get it</a>
NP-23	2004-03-23	7	7	0	<a href="#">get it</a>

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## TS 03.18 Basic Call Handling

R98 *current version: 7.5.0* WG (prime / other): N4 / - *rapporteur:* PARK, Ian David VODAFONE LTD  
*freeze\_meeting:* smg-29 G: yes U: *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

smg-28	1999-02-12	7	0	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-29	1999-06-25	7	1	0	<a href="#">get it</a> <i>remarks - this release:</i>
NP-05	1999-10-08	7	2	0	<a href="#">get it</a>
NP-07	2000-03-15	7	3	0	<a href="#">get it</a>
NP-09	2000-10-31	7	4	0	<a href="#">get it</a>
NP-22	2004-01-12	7	5	0	<a href="#">get it</a>

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## TS 03.19 Subscriber Identity Module Application Programming Interface (SIM API) for Java Card

R98 *current version: 7.5.0* WG (prime / other): T3 / - *rapporteur:* DIETRICH, Christian Axalto S.A.  
*freeze\_meeting:* smg-29 G: yes U: *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*

smg-28	1999-02-12	1	0	0	<a href="#">get it</a> <i>remarks - general:</i> SMG9->T3@#31
smg-29	1999-06-25	7	0	0	<a href="#">get it</a> <i>remarks - this release:</i>
smg-31	2000-02-16	7	1	0	<a href="#">get it</a>
TP-08	2000-06-23	7	2	0	<a href="#">get it</a>
TP-08	2000-09-28	7	3	0	<a href="#">get it</a>
TP-10	2001-03-07	7	4	0	<a href="#">get it</a>
TP-11	2001-07-27	7	5	0	<a href="#">get it</a>

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<b>TS 03.20</b>	<b>Security-related Network Functions</b>						
R98	<i>current version:</i> 7.2.0	<i>WG (prime / other):</i>	S3 / NP / GP	<i>rapporteur:</i>	NGUYEN NGOC, Sebastien	France Telecom	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	POPE, Maurice		
	<i>history (event, available, version, comments):</i>						
	smg-28 1999-02-12 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-29 1999-06-25 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	#32:7.3.0? - status of CRs unclear.	
	smg-30 1999-11-11 7 . 2 . 0			<a href="#">get it</a>			CR at smg-32 would have created 7.3.0, but unclear whether or not approved
<hr/>							
<b>TS 03.22</b>	<b>Functions related to Mobile Station (MS) in idle mode and group receive mode</b>						
R98	<i>current version:</i> 7.4.0	<i>WG (prime / other):</i>	G1 / N1	<i>rapporteur:</i>	ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	smg-28 1999-02-12 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	Moved from SMG3 Jan 2000. Moved from G2 Mar 2001. 2001-07: title grows "and	
	smg-29 1999-06-25 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	group receive mode".	
	smg-30 1999-11-11 7 . 2 . 0			<a href="#">get it</a>			
	SP-06 1999-12-15 7 . 3 . 0			<a href="#">get it</a>			
	SP-11 2001-04-11 7 . 4 . 0			<a href="#">get it</a>			
<hr/>							
<b>TR 03.26</b>	<b>Multiband operation of GSM/DCS 1800 by a single operator</b>						
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i>	G1 / NP	<i>rapporteur:</i>	ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	smg-29 1999-06-25 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
					<i>remarks - this release:</i>		
<hr/>							
<b>TR 03.30</b>	<b>Radio Network Planning Aspects</b>						
R98	<i>current version:</i> 7.1.0	<i>WG (prime / other):</i>	GP / -	<i>rapporteur:</i>	TEGTH, Ulf	TeliaSonera AB	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	smg-29 1999-06-25 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-31 2000-02-16 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	#29: 7.0.0 #31:7.1.0	

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<b>TS 03.31</b>	<b>Fraud Information Gathering System (FIGS); Service description; Stage 2</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i>	S3 / -	<i>rapporteur:</i>	WRIGHT, Tim	Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i> smg-29					
	<i>history (event, available, version, comments):</i>	<i>G: yes U:</i>		<i>MCC:</i>	POPE, Maurice	
	smg-26 1998-06-26 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> 2001-09-03: S3 secretary reports that this spec is not mature enough for official	
					<i>remarks - this release:</i> publication. Work continues in 43.031. SP-18: in fact, in 23.031.	
<hr/>						
<b>TS 03.32</b>	<b>Universal Geographical Area Description (GAD)</b>					
R98	<i>current version:</i> 7.2.0	<i>WG (prime / other):</i>	S2 / -	<i>rapporteur:</i>	SULTAN, Alain	SOURCE COM
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	YOON, Sang-Ui	
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	SP-08 2000-06-23 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	
	SP-18 2003-01-09 7 . 2 . 0			<a href="#">get it</a>		
<hr/>						
<b>TS 03.33</b>	<b>Lawful Interception; Stage 2</b>					
R98	<i>current version:</i> 7.2.0	<i>WG (prime / other):</i>	S3 / -	<i>rapporteur:</i>	MCKIBBEN, Bernie	MOTOROLA GmbH
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	POPE, Maurice	
	<i>history (event, available, version, comments):</i>					
	smg-28 1999-02-12 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-29 1999-06-25 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> #27: for info #28: 7.0.0 #29: 7.1.0 TSG#10:7.2.0	
	SP-10 2000-12-21 7 . 2 . 0			<a href="#">get it</a>		
<hr/>						
<b>TS 03.34</b>	<b>High Speed Circuit Switched Data (HSCSD); Stage 2</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i>	N1 / -	<i>rapporteur:</i>	KOKKOLA, Tommi	NOKIA Corporation
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	JORGENSEN, Per Johan	
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i> #29: 7.0.0	
<hr/>						
<b>TS 03.35</b>	<b>Immediate Service Termination (IST); Stage 2</b>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i>	S3 / -	<i>rapporteur:</i>	WRIGHT, Tim	Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	POPE, Maurice	
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI publication 2001-10-30 7 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i>	

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<b>TS 03.38</b>	<b>Alphabets and language-specific information</b>						
R98	<i>current version:</i> 7.2.0	<i>WG (prime / other):</i>	T2 / -	<i>rapporteur:</i>	HARRIS, Ian	Research In Motion Limited	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	RODERMUND, Friedhelm		
	<i>history (event, available, version, comments):</i>						
	smg-26 1998-06-26 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-28 1999-02-12 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	#26: 7.0.0 #28: 7.1.0 #29: 7.2.0	
	smg-29 1999-06-25 7 . 2 . 0			<a href="#">get it</a>			

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<b>TS 03.40</b>	<b>Technical realization of the Short Message Service (SMS)</b>						
R98	<i>current version:</i> 7.5.0	<i>WG (prime / other):</i>	T2 / -	<i>rapporteur:</i>	HARRIS, Ian	Research In Motion Limited	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	RODERMUND, Friedhelm		
	<i>history (event, available, version, comments):</i>						
	smg-26 1998-06-26 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	2003-12-03: Note that this spec also contains stage 3.	
	smg-27 1998-10-16 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-29 1999-06-25 7 . 2 . 0			<a href="#">get it</a>			
	TP-05 1999-10-08 7 . 3 . 0			<a href="#">get it</a>			
	TP-06 1999-12-15 7 . 4 . 0			<a href="#">get it</a>			
	TP-14 2002-01-11 7 . 5 . 0			<a href="#">get it</a>			

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<b>TS 03.41</b>	<b>Technical Realization of Short Message Service Cell Broadcast (SMSCB)</b>						
R98	<i>current version:</i> 7.4.0	<i>WG (prime / other):</i>	T2 / -	<i>rapporteur:</i>	HARRIS, Ian	Research In Motion Limited	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	RODERMUND, Friedhelm		
	<i>history (event, available, version, comments):</i>						
	smg-28 1999-02-12 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-29 1999-06-25 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>		
	TP-06 1999-12-15 7 . 2 . 0			<a href="#">get it</a>			
	TP-07 2000-03-15 7 . 3 . 0			<a href="#">get it</a>			
	TP-09 2000-10-19 7 . 4 . 0			<a href="#">get it</a>			

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<b>TS 03.42</b>	<b>SMS Compression</b>						
R98	<i>current version:</i> 7.1.1	<i>WG (prime / other):</i>	T2 / -	<i>rapporteur:</i>	HARRIS, Ian	Research In Motion Limited	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	RODERMUND, Friedhelm		
	<i>history (event, available, version, comments):</i>						
	smg-26 1998-06-26 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-28 1999-02-12 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-29 1999-06-25 7 . 1 . 1			<a href="#">get it</a>			

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**TR 03.43 Support of Videotex**  
R98 *current version:* 7.0.0 *WG (prime / other):* T2 / - *rapporteur:* RODERMUND, Friedhelm/Vodafone D2 GmbH  
*freeze\_meeting:* SP-08 *G: yes U:* *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release: #29: 7.0.0*

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**TR 03.44 Support of Teletex in a GSM Public Land Mobile Network (PLMN)**  
R98 *current version:* 7.0.0 *WG (prime / other):* T2 / - *rapporteur:* RODERMUND, Friedhelm/Vodafone D2 GmbH  
*freeze\_meeting:* SP-08 *G: yes U:* *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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**TS 03.45 Technical Realization of Facsimile Group 3 Service - transparent**  
R98 *current version:* 7.0.1 *WG (prime / other):* N3 / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* BOSWARTHICK, David

*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0 [get it](#) *remarks - general:*  
ETSI publication 2000-01-12 7 . 0 . 1 [get it](#) *remarks - this release:*

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**TS 03.46 Technical Realization of Facsimile Group 3 Service - non transparent**  
R98 *current version:* 7.0.0 *WG (prime / other):* N3 / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* BOSWARTHICK, David

*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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**TR 03.47 Example Protocol Stacks for Interconnecting Service Centre(s) (SC) and Mobile Services Switching Centre(s) (MSC)**  
R98 *current version:* 7.0.0 *WG (prime / other):* T2 / - *rapporteur:* RODERMUND, Friedhelm/Vodafone D2 GmbH  
*freeze\_meeting:* SP-08 *G: yes U:* *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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<b>TS 03.48</b>	<b>Security mechanisms for SIM application toolkit; Stage 2</b>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> BARNES, Nigel	MOTOROLA Ltd		
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> JURISIC, Andrijana			
	<i>history (event, available, version, comments):</i>					
	smg-28 1999-02-12 7 . 0 . 0		<a href="#">get it</a> <i>remarks - general:</i> SMG9->T3@#31			
	smg-29 1999-06-25 7 . 0 . 1		<a href="#">get it</a> <i>remarks - this release:</i>			
<hr/>						
<b>TR 03.49</b>	<b>Example protocol stacks for interconnecting Cell Broadcast Centre (CBC) and Base Station Controller (BSC)</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> RODERMUND, Friedhelm	Vodafone D2 GmbH		
	<i>freeze_meeting:</i> SP-08	G: yes U:	<i>MCC:</i> RODERMUND, Friedhelm			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0		<a href="#">get it</a> <i>remarks - general:</i>			
			<i>remarks - this release:</i>			
<hr/>						
<b>TS 03.50</b>	<b>Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System</b>					
R98	<i>current version:</i> 7.1.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0		<a href="#">get it</a> <i>remarks - general:</i>			
	ETSI publication 2000-01-12 7 . 0 . 1		<a href="#">get it</a> <i>remarks - this release:</i> #29: 7.0.0 #32: 7.1.0			
	smg-32 2000-06-20 7 . 1 . 0		<a href="#">get it</a>			
	ETSI publication 2000-11-28 7 . 1 . 1		<a href="#">get it</a>			
<hr/>						
<b>TS 03.52</b>	<b>Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2</b>					
R98	<i>current version:</i> 7.1.1	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> GIRAUD, Alexis	ALCATEL S.A.		
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-28 1999-02-12 7 . 0 . 0		<a href="#">get it</a> <i>remarks - general:</i>			
	ETSI PE 1999-05-26 7 . 0 . 1		<a href="#">get it</a> <i>remarks - this release:</i> #28: 7.0.0 #29: 7.1.0			
	smg-29 1999-06-25 7 . 1 . 0		<a href="#">get it</a>			
	ETSI publication 2000-09-05 7 . 1 . 1		<a href="#">get it</a>			

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<b>TS 03.53</b> R98 (EUROPE)	<b>Tandem Free Operation (TFO); Service description; Stage 2</b> <i>current version:</i> 7.0.1  <i>freeze_meeting:</i> smg-29  <i>history (event, available, version, comments):</i> smg-25 1998-03-20 7 . 0 . 0 smg-29 1999-06-25 7 . 0 . 1	<i>WG (prime / other):</i> S4 / NP / S2  G: yes U:  MCC: USAI, Paolino	<i>rapporteur:</i> FAUCONNIER, Denis  NORTEL NETWORKS
		<a href="#">get it</a> <i>remarks - general:</i> Mar00: prime responsibility txfrd to SMG11 <a href="#">get it</a> <i>remarks - this release:</i> #25: 7.0.0	
<b>TS 03.54</b> R98	<b>Description for the use of a Shared Inter Working Function (SIWF) in a GSM PLMN; Stage 2</b> <i>current version:</i> 7.0.0 <i>freeze_meeting:</i> smg-29 <i>history (event, available, version, comments):</i> smg-29 1999-06-25 7 . 0 . 0	<i>WG (prime / other):</i> N3 / - G: yes U:  MCC: BOSWARTHICK, David	<i>rapporteur:</i> BOSWARTHICK, David ETSI Secretariat BOSWARTHICK, David
		<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i> #29: 7.0.0	
<b>TS 03.56</b> R98	<b>GSM Cordless Telephony System (CTS), Phase 1; CTS Architecture Description; Stage 2</b> <i>current version:</i> 7.1.1 <i>freeze_meeting:</i> smg-29 <i>history (event, available, version, comments):</i> smg-28 1999-02-12 7 . 0 . 0 ETSI PE 1999-05-26 7 . 0 . 1 smg-29 1999-06-25 7 . 1 . 0 ETSI publication 2000-09-05 7 . 1 . 1	<i>WG (prime / other):</i> S2 / - G: yes U:  MCC: YOON, Sang-Ui	<i>rapporteur:</i> ROBERTS, Martin Nortel
		<a href="#">get it</a> <i>remarks - general:</i> <a href="#">get it</a> <i>remarks - this release:</i> #27: for info #28: 7.0.0 #29: 7.1.0 <a href="#">get it</a> <a href="#">get it</a>	
<b>TS 03.57</b> R98	<b>Mobile Station Application Execution Environment (MExE); Functional description; Stage 2</b> <i>current version:</i> 7.2.0 <i>freeze_meeting:</i> smg-29 <i>history (event, available, version, comments):</i> smg-29 1999-06-25 7 . 0 . 0 TP-06 1999-12-15 7 . 1 . 0  TP-07 2000-03-15 7 . 2 . 0	<i>WG (prime / other):</i> T2 / - G: yes U:  MCC: RODERMUND, Friedhelm	<i>rapporteur:</i> BRENK, Lars TTP Communications plc
		<a href="#">get it</a> <i>remarks - general:</i> <a href="#">get it</a> <i>remarks - this release:</i> #27: for info #29: 7.0.0 T#6: 7.1.0 expect TSG#7 CR to fix unimplementable one at TSG#6. TSG#7: 7.2.0 <a href="#">get it</a>	
<b>TR 03.58</b> R98	<b>Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)</b> <i>current version:</i> 7.0.0 <i>freeze_meeting:</i> smg-29 <i>history (event, available, version, comments):</i> smg-29 1999-06-25 7 . 0 . 0	<i>WG (prime / other):</i> S4 / - G: yes U:  MCC: USAI, Paolino	<i>rapporteur:</i> MONFORT, Jean-Yves France Telecom
		<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i> #29: 7.0.0	

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## TS 03.60 General Packet Radio Service (GPRS); Service description; Stage 2

R98 *current version:* 7.9.0 *WG (prime / other):* S2 / - *rapporteur:* KUCHIBHOTLA, Ravi MOTOROLA Ltd  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

smg-28	1998-02-12	7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-29	1999-06-25	7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
ETSI publication	2000-01-20	7 . 1 . 1	<a href="#">get it</a>	
SP-05	1999-10-08	7 . 2 . 0	<a href="#">get it</a>	
SP-06	1999-12-15	7 . 3 . 0	<a href="#">get it</a>	
ETSI publication	2000-07-07	7 . 3 . 1	<a href="#">get it</a>	
SP-07	2000-03-15	7 . 4 . 0	<a href="#">get it</a>	
ETSI publication	2000-09-22	7 . 4 . 1	<a href="#">get it</a>	
SP-09	2001-02-01	7 . 5 . 0	<a href="#">get it</a>	
SP-11	2001-04-19	7 . 6 . 0	<a href="#">get it</a>	
SP-12	2001-06-29	7 . 7 . 0	<a href="#">get it</a>	
SP-14	2002-01-08	7 . 8 . 0	<a href="#">get it</a>	
edito		7 . 8 . 1		
SP-17	2002-10-02	7 . 9 . 0	<a href="#">get it</a>	

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## TS 03.63 Packet Data on Signalling channels service (PDS) Service description, Stage 2

R98 *current version:* 7.0.0 *WG (prime / other):* N1 / - *rapporteur:* JACOBSON, Dieter T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*

smg-31	2000-02-16	7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
				<i>remarks - this release:</i>

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## TS 03.64 General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2

R98 *current version:* 7.1.0 *WG (prime / other):* G1 / - *rapporteur:* LEPPISAARI, Arto NOKIA Corporation  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version, comments):*

smg-29	1999-06-25	7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-30	1999-11-11	7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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ACTIVE specs R98 03 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

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<b>TS 03.66</b>	<b>Support of GSM Mobile Number Portability (MNP); Stage 2</b>				
R98	<i>current version:</i> 7.3.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> LOPEZ SORIA, Luis	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>				
	smg-28 1999-02-12 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-29 1999-06-25 7 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #28: 7.0.0 #29: 7.1.0 TSG#5: 7.2.0 (Expect 7.3.0 dealing with PE comments.) TSG#7: 7.3.0	
	NP-05 1999-10-08 7 . 2 . 0		<a href="#">get it</a>		
	NP-07 2000-03-15 7 . 3 . 0		<a href="#">get it</a>		
	ETSI publication 2000-10-10 7 . 3 . 1		<a href="#">get it</a>		
<hr/>					
<b>TS 03.67</b>	<b>Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2</b>				
R98	<i>current version:</i> 7.2.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> SCHMITT, Peter	SIEMENS AG	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-25 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	NP-07 2000-03-17 7 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	NP-10 2000-12-21 7 . 2 . 0		<a href="#">get it</a>		
<hr/>					
<b>TS 03.68</b>	<b>Voice Group Call Service (VGCS); Stage 2</b>				
R98	<i>current version:</i> 7.3.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-25 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	NP-07 1999-12-15 7 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	NP-09 2000-10-12 7 . 2 . 0		<a href="#">get it</a>		
	NP-21 2003-10-10 7 . 3 . 0		<a href="#">get it</a>		
<hr/>					
<b>TS 03.69</b>	<b>Voice Broadcast service (VBS); Stage 2</b>				
R98	<i>current version:</i> 7.3.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> MÜNNING, Dirk	DETECON GMBH	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-25 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	NP-07 2000-03-15 7 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #29: 7.0.0 TSG#7: 7.1.0 TSG#9:7.2.0	
	NP-09 2000-10-12 7 . 2 . 0		<a href="#">get it</a>		
	NP-21 2003-10-13 7 . 3 . 0		<a href="#">get it</a>		

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## TS 03.70 Routing of Calls to/from Public Data Networks (PDN)

R98 *current version:* 7.0.0  
*freeze\_meeting:* smg-29  
*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0

*WG (prime / other):* N3 / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*G: yes U:* *MCC:* BOSWARTHICK, David

[get it](#) *remarks - general:* N3: "no R99 needed".  
*remarks - this release:* #29: 7.0.0

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## TS 03.71 Location Services (LCS); Functional description; Stage 2

R98 *current version:* 7.10.0  
*freeze\_meeting:* smg-29  
*history (event, available, version, comments):*  
smg-28 1999-02-12 1 . 0 . 0  
smg-29 1999-06-25 7 . 0 . 0  
SA2-06 1999-07-30 7 . 2 . 0  
edito 1999-12-29 7 . 2 . 1  
smg-31 2000-02-16 7 . 3 . 0  
smg-31b 2000-04-17 7 . 4 . 0  
SP-11 2001-04-11 7 . 5 . 0  
SP-12 2001-06-29 7 . 6 . 0  
SP-13 2001-10-15 7 . 7 . 0  
SP-14 2002-01-07 7 . 8 . 0  
SP-15 2002-04-02 7 . 9 . 0  
SP-16 2002-06-17 7 . 10 . 0

*WG (prime / other):* S2 / - *rapporteur:* BROOK, Richard SAMSUNG Electronics Research Institute  
*G: yes U:* *MCC:* YOON, Sang-Ui

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 03.72 Call Deflection stage 2

R98 *current version:* 7.1.0  
*freeze\_meeting:* smg-29  
*history (event, available, version, comments):*  
smg-28 1999-02-12 7 . 0 . 0  
smg-29 1999-06-25 7 . 0 . 1  
NP-05 1999-10-08 7 . 1 . 0

*WG (prime / other):* N4 / - *rapporteur:* VACANT,  
*G: yes U:* *MCC:* KYMALAINEN, Kimmo

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #28: 7.0.0 TSG#5 7.1.0  
[get it](#)

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## TS 03.73 Support of Localised Service Area (SoLSA); Stage 2

R98 *current version:* 7.2.0 *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

smg-28 1999-02-12 7 . 0 . 0  
smg-29 1999-06-25 7 . 1 . 0  
smg-30 1999-11-11 7 . 2 . 0

[get it](#) *remarks - general:* 2001-10-11: S2->N4 to align with ownership of 23.073.  
[get it](#) *remarks - this release:* #27: for info  
[get it](#)

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## TS 03.78 customized Applications for Mobile network Enhanced Logic (CAMEL) Phase 2; Stage 2

R98 *current version:* 7.8.1 *WG (prime / other):* N2 / - *rapporteur:* LANTELME, Isabelle ALCATEL S.A.  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*

smg-28 1999-02-12 7 . 0 . 0  
ETSI publication 1999-08-16 7 . 0 . 1  
smg-29 1999-06-25 7 . 1 . 0  
NP-05 1999-10-13 7 . 2 . 0  
NP-07 2000-03-17 7 . 3 . 0  
NP-08 2000-06-23 7 . 4 . 0  
NP-10 2001-01-04 7 . 5 . 0  
NP-12 2001-07-02 7 . 6 . 0  
visible figures 2001-07-04 7 . 6 . 1  
NP-14 2002-01-04 7 . 7 . 0  
NP-16 2002-06-17 7 . 8 . 0  
Editorial correction 2002-08-21 7 . 8 . 1  
to SDLs

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
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[get it](#)  
[get it](#)  
[get it](#)

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## TS 03.79 Support of Optimal Routeing phase 1; Stage 2

R98 *current version:* 7.3.0 *WG (prime / other):* N4 / - *rapporteur:* PARK, Ian David VODAFONE LTD  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* Chalmers  
KYMALAINEN, Kimmo

*history (event, available, version, comments):*

smg-28 1999-02-12 7 . 0 . 0  
smg-29 1999-06-25 7 . 1 . 0  
NP-05 1999-10-08 7 . 2 . 0  
NP-07 2000-03-15 7 . 3 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #28: 7.0.0 #29: 7.1.0 TSG#5: 7.2.0 TSG#7: 7.3.0  
[get it](#)  
[get it](#)

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<b>TS 03.81</b>	<b>Line Identification Supplementary Services; Stage 2</b>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-28 1999-02-12 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-29 1999-06-25 7 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release: #28: 7.0.0</i>		
<hr/>						
<b>TS 03.82</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 2</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release: #29: 7.0.0</i>		
<hr/>						
<b>TS 03.83</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 2</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> SHARP, Iain	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release: #29: 7.0.0</i>		
<hr/>						
<b>TS 03.84</b>	<b>Multi Party (MPTY) Supplementary Services; Stage 2</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> HABERMANN, Steffen	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release: #29: 7.0.0</i>		
<hr/>						
<b>TS 03.85</b>	<b>Closed user Group (CUG) Supplementary Services; Stage 2</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i>		

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<b>TS 03.86</b>	<b>Advice of Charge (AoC) Supplementary Services; Stage 2</b>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI publication 2000-01-12 7 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> #29: 7.0.0		
<hr/>						
<b>TS 03.87</b>	<b>User-to-user signalling (UUS); Stage 2</b>					
R98	<i>current version:</i> 7.0.2	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-28 1999-02-12 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-29 1999-06-25 7 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> #28: 7.0.0		
	ETSI publication 1999-12-17 7 . 0 . 2		<a href="#">get it</a>			
<hr/>						
<b>TS 03.88</b>	<b>Call Barring (CB) supplementary services; Stage 2</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i> #29: 7.0.0		
<hr/>						
<b>TS 03.90</b>	<b>Unstructured Supplementary Service Data (USSD)</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> CHOTAI, Sunil	mmO2 plc		
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i> #29: 7.0.0		
<hr/>						
<b>TS 03.91</b>	<b>Explicit Call Transfer (ECT) Supplementary Service; Stage 2</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i> #29: 7.0.0		

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**TS 03.93 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2**  
R98 *current version: 7.0.0* WG (prime / other): N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* smg-29 G: yes U: *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release: #29: 7.0.0*

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**TS 03.96 Name Identification Supplementary Services; Stage 2**  
R98 *current version: 7.0.0* WG (prime / other): N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* smg-29 G: yes U: *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release: #29: 7.0.0*

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**TS 03.97 Multiple subscriber Profile (MSP); Stage 2**  
R98 *current version: 7.2.0* WG (prime / other): N4 / - *rapporteur:* RUSSELL, Nick VODAFONE LTD  
*freeze\_meeting:* smg-29 G: yes U: *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
smg-28 1999-02-12 7 . 0 . 0 [get it](#) *remarks - general:*  
smg-29 1999-06-25 7 . 1 . 0 [get it](#) *remarks - this release:*  
NP-05 1999-10-08 7 . 1 . 1 [get it](#)  
NP-06 1999-12-15 7 . 2 . 0 [get it](#)

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R98 04 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

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**TS 04.01 Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles**  
R98 *current version: 7.0.0* WG (prime / other): N1 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-29 G: yes U: *MCC:* JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release: #29: 7.0.0*

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<b>TS 04.02</b>	<b>GSM Public Land Mobile Network (PLMN) Access Reference Configuration</b>				
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-29		Skov		
		G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-25 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i> #29: 7.0.0		
<hr/>					
<b>TS 04.03</b>	<b>Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities</b>				
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-29		Skov		
		G: yes U:	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-25 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i>		
<hr/>					
<b>TS 04.04</b>	<b>Layer 1 - General Requirements</b>				
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ISAACS, Ken	SIEMENS AG	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-25 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i>		
<hr/>					
<b>TS 04.05</b>	<b>Data Link (DL) Layer General Aspects</b>				
R98	<i>current version:</i> 7.1.2	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-29		Skov		
		G: yes U:	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-25 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI publication 2000-01-12 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-31 2000-02-16 7 . 1 . 0	<a href="#">get it</a>			
	Editorial correction 2000-03-16 7 . 1 . 1	<a href="#">get it</a>			
	ETSI publication 2000-09-22 7 . 1 . 2	<a href="#">get it</a>			

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## TS 04.06 Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification

R98 *current version:* 7.2.1 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-29 Skov

*G:* yes *U:* *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*

smg-29	1999-06-25	7	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
ETSI publication	1999-12-14	7	.	0	.	1	<a href="#">get it</a> <i>remarks - this release:</i>
smg-31	2000-02-16	7	.	1	.	0	<a href="#">get it</a>
Editorial correction	2000-02-16	7	.	1	.	1	<a href="#">get it</a>
ETSI publication	2000-09-29	7	.	1	.	2	<a href="#">get it</a>
GP-03	2001-01-31	7	.	2	.	0	<a href="#">get it</a>
edito	2001-01-31	7	.	2	.	1	<a href="#">get it</a>

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## TS 04.07 Mobile Radio Interface Signalling Layer 3 - General Aspects

R98 *current version:* 7.3.0 *WG (prime / other):* N1 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* smg-29 JORGENSEN, Per Johan

*G:* yes *U:*

*MCC:*

*history (event, available, version, comments):*

smg-28	1999-02-12	7	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-29	1999-06-25	7	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
NP-05	1999-10-08	7	.	2	.	0	<a href="#">get it</a>
NP-06	1999-12-15	7	.	3	.	0	<a href="#">get it</a>

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 04.08 Mobile radio interface layer 3 specification

R98 current version: 7.21.0

freeze\_meeting: smg-29

WG (prime / other): N1 / G2 rapporteur: HOWELL, Andrew MOTOROLA Ltd

G: yes U: MCC: JORGENSEN, Per Johan

history (event, available, version, comments):

smg-28	1999-02-12	7 . 0 . 0	<a href="#">get it</a>	remarks - general:	04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert Thomasen
smg-29	1999-06-25	7 . 1 . 0	<a href="#">get it</a>	remarks - this release:	(even numbered CRs!)
edito	1999-07-15	7 . 1 . 1	<a href="#">get it</a>		
ETSI OAP	1999-08-11	7 . 1 . 2	<a href="#">get it</a>		
ETSI publication	1999-12-29	7 . 1 . 3	<a href="#">get it</a>		
NP-05	1999-10-08	7 . 2 . 0	<a href="#">get it</a>		
smg-30b	1999-12-06	7 . 3 . 0	<a href="#">get it</a>		
NP-06	1999-12-15	7 . 4 . 0	<a href="#">get it</a>		
ETSI publication	2000-09-20	7 . 4 . 2	<a href="#">get it</a>		
smg-31	2000-02-16	7 . 5 . 0	<a href="#">get it</a>		
edito	2000-02-20	7 . 5 . 1	<a href="#">get it</a>		
NP-07	2000-03-15	7 . 6 . 0	<a href="#">get it</a>		
ETSI publicaton	2000-10-05	7 . 6 . 1	<a href="#">get it</a>		
smg-31b	2000-04-17	7 . 7 . 0	<a href="#">get it</a>		
smg-32	2000-06-28	7 . 8 . 0	<a href="#">get it</a>		
GP-01/NP-09	2000-10-12	7 . 9 . 0	<a href="#">get it</a>		
edito	2000-11-02	7 . 9 . 1	<a href="#">get it</a>		
NP-10	2001-01-02	7 . 10 . 0	<a href="#">get it</a>		
GP-04	2001-04-11	7 . 11 . 0	<a href="#">get it</a>		
GP-05	2001-06-18	7 . 12 . 0	<a href="#">get it</a>		
NP-12	2001-07-13	7 . 13 . 0	<a href="#">get it</a>		
GP-06	2001-09-14	7 . 14 . 0	<a href="#">get it</a>		
GP-07	2002-01-04	7 . 15 . 0	<a href="#">get it</a>		
NP-14	2002-01-07	7 . 16 . 0	<a href="#">get it</a>		
GP-08	2002-02-19	7 . 17 . 0	<a href="#">get it</a>		
NP-17	2002-09-17	7 . 18 . 0	<a href="#">get it</a>		
NP-18	2002-12-18	7 . 19 . 0	<a href="#">get it</a>		
correction to	2003-04-25	7 . 19 . 1	<a href="#">get it</a>		
history box					
GP-15	2003-07-10	7 . 20 . 0	<a href="#">get it</a>		
edirial	2003-09-12	7 . 20 . 1	<a href="#">get it</a>		
NP-22	2004-01-05	7 . 21 . 0	<a href="#">get it</a>		

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<b>TS 04.10</b>	<b>Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects</b>				
R98	<i>current version:</i> 7.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-29		Skov		
		<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>				
	smg-28 1999-02-12 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-29 1999-06-25 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-14 2002-01-10 7 . 1 . 0	<a href="#">get it</a>			

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<b>TS 04.11</b>	<b>Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface</b>				
R98	<i>current version:</i> 7.1.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> NOBUYUKI, Uda	NTT COMWARE Corporation	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-25 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-09 2000-10-12 7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		

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<b>TS 04.12</b>	<b>Short Message Service Cell Broadcast (SMS-CB) Support on the Mobile Radio Interface</b>				
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> G2 / T2	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-29		Skov		
		<i>G: yes U:</i>	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-25 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI publication 2000-01-12 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #29: 7.0.0		

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<b>TS 04.13</b>	<b>Performance Requirements on Mobile Radio Interface</b>				
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> DAWES, Peter	VODAFONE LTD	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-25 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI publication 2000-01-12 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #29: 7.0.0		

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 04.14</b>	<b>Individual equipment type requirements and interworking; Special conformance testing functions</b>						
R98	<i>current version:</i> 7.3.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> HOWELL, Andrew	MOTOROLA Ltd			
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> THOMASEN, Gert				
	<i>history (event, available, version, comments):</i>						
	smg-29 1999-06-25 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-30 1999-11-11 7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>				
	smg-32 2000-06-20 7 . 2 . 0	<a href="#">get it</a>					
	GP-10 2002-07-19 7 . 3 . 0	<a href="#">get it</a>					

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<b>TS 04.21</b>	<b>Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface</b>						
R98	<i>current version:</i> 7.1.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> RÄSÄNEN, Juha	NOKIA Corporation			
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> BOSWARTHICK, David				
	<i>history (event, available, version, comments):</i>						
	smg-27 1998-10-16 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
	edito 1998-11-23 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #27: 7.0.0 TSG#8:7.1.0</i>				
	smg-29 1999-06-25 7 . 0 . 2	<a href="#">get it</a>					
	ETSI publication 1999-12-14 7 . 0 . 3	<a href="#">get it</a>					
	NP-08 2000-06-21 7 . 1 . 0	<a href="#">get it</a>					

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<b>TS 04.22</b>	<b>Radio Link Protocol (RLP) for data and telematic services on the Mobile Station - Base Station System (MS - BSS) interface and the Base Station System - Mobile-services</b>						
R98	<i>current version:</i> <b>Switching Centre (BSS - MSC) interface</b> 7.1.0	<i>WG (prime / other):</i> N3	<i>rapporteur:</i> KLEHN, Norbert				
SIEMENS AG							
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> BOSWARTHICK, David				
	<i>history (event, available, version, comments):</i>						
	smg-28 1999-02-12 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
	ETSI publication 1999-08-31 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>				
	NP-06 1999-12-15 7 . 1 . 0	<a href="#">get it</a>					

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<b>TS 04.30</b>	<b>Location Services (LCS); Supplementary service operations; Stage 3</b>						
R98	<i>current version:</i> 7.3.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)			
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>						
	smg-30b 1999-12-06 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i> Seems to be a dispute over ownership: SMG2 or 3 (plus CN-ss)? Decision: SMG3 and				
	smg-31 2000-02-16 7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> the now-closed SS. TSG#7: txfrd to 3GPP for R99. 2001-12-13: G2->N4.				
	SP-08 2000-06-21 7 . 2 . 0	<a href="#">get it</a>					
	NP-14 2002-01-10 7 . 3 . 0	<a href="#">get it</a>					

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<b>TS 04.31</b>	<b>Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)</b>				
R98	<i>current version:</i> 7.14.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i>	
	smg-30	1 . 0 . 0		<i>remarks - this release:</i>	
	smg-30b	1999-12-06	<a href="#">get it</a>		
	smg-31	2000-02-16	<a href="#">get it</a>		
	smg-31b	2000-04-17	<a href="#">get it</a>		
	GP-02	2000-11-30	<a href="#">get it</a>		
	GP-03	2001-01-31	<a href="#">get it</a>		
	edito	2001-01-31	<a href="#">get it</a>		
	GP-04	2001-05-04	<a href="#">get it</a>		
	GP-05	2001-06-18	<a href="#">get it</a>		
	GP-06	2001-09-14	<a href="#">get it</a>		
	GP-07	2002-01-08	<a href="#">get it</a>		
	GP-08	2002-02-19	<a href="#">get it</a>		
	GP-09	2002-05-02	<a href="#">get it</a>		
	GP-10	2002-07-19	<a href="#">get it</a>		
	GP-16	2003-09-12	<a href="#">get it</a>		
	GP-18	2004-02-23	<a href="#">get it</a>		
	GP-19	2004-05-06	<a href="#">get it</a>		

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<b>TS 04.35</b>	<b>Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods</b>				
R98	<i>current version:</i> 7.4.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i>	
	smg-30b	1999-12-06	<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-31b	2000-04-17	<a href="#">get it</a>		
	GP-01	2000-10-11	<a href="#">get it</a>		
	GP-03	2001-01-31	<a href="#">get it</a>		
	GP-07	2002-01-08	<a href="#">get it</a>		

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<b>TS 04.56</b>	<b>GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification</b>				
R98	<i>current version:</i> 7.1.1	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> HUPPERICH, Peter	ALCATEL S.A.	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>				
	smg-28 1999-02-12 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI PE 1999-05-25 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #28: 7.0.0 #29: 7.1.0		
	smg-29 1999-06-25 7 . 1 . 0	<a href="#">get it</a>			
	ETSI publication 2000-09-05 7 . 1 . 1	<a href="#">get it</a>			

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<b>TS 04.57</b>	<b>GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification</b>				
R98	<i>current version:</i> 7.0.3	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> HUPPERICH, Peter	ALCATEL S.A.	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>				
	smg-28 1999-02-12 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI PE 1999-05-26 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #28: 7.0.0		
	ETSI Vote 2000-05-22 7 . 0 . 2	<a href="#">get it</a>			
	ETSI publication 2000-09-05 7 . 0 . 3	<a href="#">get it</a>			

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<b>TS 04.60</b>	<b>General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol</b>				
R98	<i>current version:</i> 7.10.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> HOWELL, Andrew	MOTOROLA Ltd	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-25 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-30 1999-11-11 7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-30b 1999-12-06 7 . 2 . 0	<a href="#">get it</a>			
	smg-31 2000-02-16 7 . 3 . 0	<a href="#">get it</a>			
	smg-32 2000-06-28 7 . 5 . 0	<a href="#">get it</a>			
	GP-01 2000-10-11 7 . 6 . 0	<a href="#">get it</a>			
	GP-02 2000-11-27 7 . 7 . 0	<a href="#">get it</a>			
	GP-03 2001-01-31 7 . 8 . 0	<a href="#">get it</a>			
	GP-04 2001-05-04 7 . 9 . 0	<a href="#">get it</a>			
	GP-10 2002-07-19 7 . 10 . 0	<a href="#">get it</a>			

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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**TS 04.63 Packet Data on Signalling channels Service (PDS) Service Description, Stage 3**  
R98 *current version:* 7.0.0 *WG (prime / other):* N1 / - *rapporteur:* JACOBSON, Dieter T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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**TS 04.64 General Packet Radio Service (GPRS); Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) layer specification**  
R98 *current version:* 7.5.0 *WG (prime / other):* N1 / - *rapporteur:* DOIG, Ian MOTOROLA S.A.S  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0 [get it](#) *remarks - general:*  
smg-30 1999-11-11 7 . 1 . 0 [get it](#) *remarks - this release:*  
SP-06 1999-12-15 7 . 2 . 0 [get it](#)  
smg-31 2000-02-16 7 . 3 . 0 [get it](#)  
NP-10 2001-01-02 7 . 4 . 0 [get it](#)  
NP-14 2002-01-04 7 . 5 . 0 [get it](#)

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**TS 04.65 General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)**  
R98 *current version:* 7.3.0 *WG (prime / other):* N1 / - *rapporteur:* DOIG, Ian MOTOROLA S.A.S  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0 [get it](#) *remarks - general:* 24.065 existed, but scrapped since 04.65 is GSM only.  
smg-30 1999-11-11 7 . 1 . 0 [get it](#) *remarks - this release:*  
post SP-06 1999-12-15 7 . 2 . 0 [get it](#)  
smg-31 2000-02-16 7 . 3 . 0 [get it](#)

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**TS 04.67 Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3**  
R98 *current version:* 7.0.1 *WG (prime / other):* N4 / - *rapporteur:* SCHMITT, Peter SIEMENS AG  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0 [get it](#) *remarks - general:*  
ETSI publication 2000-01-12 7 . 0 . 1 [get it](#) *remarks - this release:* #29: 7.0.0

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 04.68</b>	<b>Group Call Control (GCC) Protocol</b>								
R98	<i>current version:</i> 7.2.0		<i>WG (prime / other):</i> N1 / -		<i>rapporteur:</i> GARAPATY, Sonia			Nortel Networks (USA)	
	<i>freeze_meeting:</i> smg-29		<i>G: yes U:</i>		<i>MCC:</i> JORGENSEN, Per Johan				
	<i>history (event, available, version, comments):</i>								
	smg-29 1999-06-25	7 . 0 . 0			<a href="#">get it</a>		<i>remarks - general:</i>		
	smg-30 1999-11-11	7 . 1 . 0			<a href="#">get it</a>		<i>remarks - this release:</i>		
	NP-07 2000-03-15	7 . 2 . 0			<a href="#">get it</a>				
<hr/>									
<b>TS 04.69</b>	<b>Broadcast Call Control (BCC) protocol</b>								
R98	<i>current version:</i> 7.2.0		<i>WG (prime / other):</i> N1 / -		<i>rapporteur:</i> GARAPATY, Sonia			Nortel Networks (USA)	
	<i>freeze_meeting:</i> smg-29		<i>G: yes U:</i>		<i>MCC:</i> JORGENSEN, Per Johan				
	<i>history (event, available, version, comments):</i>								
	smg-29 1999-06-25	7 . 0 . 0			<a href="#">get it</a>		<i>remarks - general:</i>		
	smg-30 1999-11-11	7 . 1 . 0			<a href="#">get it</a>		<i>remarks - this release:</i>		
	NP-07 2000-03-15	7 . 2 . 0			<a href="#">get it</a>				
<hr/>									
<b>TS 04.71</b>	<b>Location Services (LCS); Mobile radio interface layer 3 specification</b>								
R98	<i>current version:</i> 7.5.0		<i>WG (prime / other):</i> G2 / -		<i>rapporteur:</i> ANDERSEN, Niels Peter			MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-29		<i>G: yes U:</i>		Skov				
	<i>history (event, available, version, comments):</i>				<i>MCC:</i> THOMASEN, Gert				
	smg-28 1999-02-12	1 . 0 . 0			<a href="#">get it</a>		<i>remarks - general:</i>	Was SMG2 till TSG#6; MCC expt changed from AI Bakri Jan 2000.	
	smg-29 1999-06-25	7 . 0 . 0			<a href="#">get it</a>		<i>remarks - this release:</i>		
	smg-30b 1999-12-15	7 . 1 . 1			<a href="#">get it</a>				
	smg-32 2000-06-28	7 . 2 . 0			<a href="#">get it</a>				
	GP-05 2001-06-18	7 . 3 . 0			<a href="#">get it</a>				
	GP-07 2002-01-08	7 . 4 . 0			<a href="#">get it</a>				
	GP-10 2002-07-22	7 . 5 . 0			<a href="#">get it</a>				
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<b>TS 04.72</b>	<b>Call Deflection (CD) Supplementary Service; Stage 3</b>								
R98	<i>current version:</i> 7.0.1		<i>WG (prime / other):</i> N4 / -		<i>rapporteur:</i> WIEHE, Ulrich			Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> smg-29		<i>G: yes U:</i>		<i>MCC:</i> KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>								
	smg-28 1999-02-12	7 . 0 . 0			<a href="#">get it</a>		<i>remarks - general:</i>		
	ETSI publication 2001-10-30	7 . 0 . 1			<a href="#">get it</a>		<i>remarks - this release:</i>	#27: for info #28: 7.0.0	

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<b>TS 04.80</b>	<b>Mobile Radio Interface Layer 3 - Supplementary Services Specification Formats and Coding</b>				
R98	<i>current version:</i> 7.4.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo		
<i>history (event, available, version, comments):</i>					
	smg-28 1999-02-12	7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	NP-06 1999-12-15	7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	NP-07 2000-03-15	7 . 2 . 0	<a href="#">get it</a>		
	NP-08 2000-06-21	7 . 3 . 0	<a href="#">get it</a>		
	NP-09 2000-09-28	7 . 4 . 0	<a href="#">get it</a>		
	editorial 2003-10-09	7 . 4 . 1	<a href="#">get it</a>		

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<b>TS 04.81</b>	<b>Line Identification Supplementary Services; Stage 3</b>				
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo		
<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25	7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	Publication 2000-01-12	7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #29: 7.0.0	

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<b>TS 04.82</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 3</b>				
R98	<i>current version:</i> 7.0.2	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo		
<i>history (event, available, version, comments):</i>					
	smg-28 1999-02-12	7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	<to be defined> 1999-12-14	7 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release:</i> #28: 7.0.0	

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<b>TS 04.83</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 3</b>				
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> SHARP, Iain	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo		
<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25	7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	Publication 2000-01-12	7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #29: 7.0.0	

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<b>TS 04.84</b>	<b>Multi Party (PTY) Supplementary Services; Stage 3</b>				
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> HABERMANN, Steffen	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo		
<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25	7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 2000-01-12	7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #29: 7.0.0	

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<b>TS 04.85</b>	<b>Closed User Group (CUG) Supplementary Services; Stage 3</b>				
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-25 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>
					<i>remarks - this release:</i> #29: 7.0.0
<hr/>					
<b>TS 04.86</b>	<b>Advice of Charge (AoC) Supplementary Services; Stage 3</b>				
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-25 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>
	ETSI Publication 2000-01-12 7 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i> #29: 7.0.0
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<b>TS 04.87</b>	<b>User-to-User Signalling (UUS) Supplementary Service; Stage 3</b>				
R98	<i>current version:</i> 7.0.2	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>				
	smg-28 1999-02-12 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>
	ETSI Publication 1999-12-16 7 . 0 . 2			<a href="#">get it</a>	<i>remarks - this release:</i> #28: 7.0.0
<hr/>					
<b>TS 04.88</b>	<b>Call Barring (CB) Supplementary Services; Stage 3</b>				
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-25 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>
					<i>remarks - this release:</i> #29: 7.0.0
<hr/>					
<b>TS 04.90</b>	<b>Unstructured Supplementary Service Data (USSD)</b>				
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-25 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>
	ETSI Publication 2000-01-12 7 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i> #29: 7.0.0

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**TS 04.91 Explicit Call Transfer (ECT) Supplementary Service; Stage 3**

R98 *current version:* 7.0.1 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0 [get it](#) *remarks - general:*  
ETSI Publication 2000-01-12 7 . 0 . 1 [get it](#) *remarks - this release:* #29: 7.0.0

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**TS 04.93 Completion of Calls to Busy Subscriber (CCBS); Stage 3**

R98 *current version:* 7.0.0 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #29: 7.0.0

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**TS 04.96 Name Identification Supplementary Services; Stage 3**

R98 *current version:* 7.0.0 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #29: 7.0.0

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R98 05 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/05\\_series](http://www.3gpp.org/ftp/Specs/archive/05_series)

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**TS 05.01 Physical Layer on the Radio Path (General Description)**

R98 *current version:* 7.2.0 *WG (prime / other):* G1 / - *rapporteur:* JOKINEN, Harri NOKIA MOBILE PHONES  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
smg-28 1999-02-12 7 . 0 . 0 [get it](#) *remarks - general:*  
smg-30 1999-11-11 7 . 1 . 0 [get it](#) *remarks - this release:*  
GP-07 2002-01-04 7 . 2 . 0 [get it](#)

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## TS 05.02 Multiplexing and Multiple Access on the Radio Path

R98 *current version: 7.7.0* WG (prime / other): G1 / - *rapporteur:* SÉBIRE, Benoist NOKIA Corporation  
*freeze\_meeting:* smg-29 G: yes U: *MCC:* USAI, Paolino

*history (event, available, version, comments):*

smg-28	1999-02-12	7	0	0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-29	1999-06-25	7	1	0	<a href="#">get it</a>	<i>remarks - this release:</i>
smg-30	1999-11-11	7	2	0	<a href="#">get it</a>	
smg-30b	1999-12-06	7	3	0	<a href="#">get it</a>	
ETSI publication	2000-07-17	7	3	1	<a href="#">get it</a>	
smg-31	2000-02-16	7	4	0	<a href="#">get it</a>	
ETSI publication	2000-09-29	7	4	1	<a href="#">get it</a>	
smg-31b	2000-04-17	7	5	0	<a href="#">get it</a>	
ETSI publication	2000-10-17	7	5	1	<a href="#">get it</a>	
GP-02	2000-11-24	7	6	0	<a href="#">get it</a>	
edito	2000-11-30	7	6	1	<a href="#">get it</a>	
edito	2001-04-20	7	6	2	<a href="#">get it</a>	
GP-06	2001-10-01	7	7	0	<a href="#">get it</a>	

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## TS 05.03 Channel coding

R98 *current version: 7.3.1* WG (prime / other): G1 / - *rapporteur:* SÉBIRE, Benoist NOKIA Corporation  
*freeze\_meeting:* smg-29 G: yes U: *MCC:* USAI, Paolino

*history (event, available, version, comments):*

smg-28	1999-02-12	7	0	0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-29	1999-06-25	7	1	0	<a href="#">get it</a>	<i>remarks - this release: #28: 7.0.0 #29: 7.1.0 #30: 7.2.0 #31:7.3.0</i>
smg-30	1999-11-11	7	2	0	<a href="#">get it</a>	
smg-31	1999-02-16	7	3	0	<a href="#">get it</a>	
ETSI publication	2001-02-17	7	3	1	<a href="#">get it</a>	

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## TS 05.04 Modulation

R98 *current version: 7.3.0* WG (prime / other): G1 / - *rapporteur:* SÉBIRE, Benoist NOKIA Corporation  
*freeze\_meeting:* smg-29 G: yes U: *MCC:* USAI, Paolino

*history (event, available, version, comments):*

smg-29	1999-06-25	7	0	0	<a href="#">get it</a>	<i>remarks - general:</i>
ETSI publication	2000-06-20	7	0	1	<a href="#">get it</a>	<i>remarks - this release:</i>
smg-30b	1999-12-06	7	1	0	<a href="#">get it</a>	
ETSI publication	2000-06-20	7	1	1	<a href="#">get it</a>	
GP-03	2001-02-15	7	2	0	<a href="#">get it</a>	
GP-05	2001-06-29	7	3	0	<a href="#">get it</a>	

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## TS 05.05 Radio Transmission and Reception

R98 *current version: 7.9.0* WG (prime / other): G1 / - *rapporteur:* SAMUELSSON, Mats Telefon AB LM Ericsson  
*freeze\_meeting:* smg-29 G: yes U: *MCC:* USAI, Paolino

*history (event, available, version, comments):*

smg-28	1999-02-12	7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-29	1999-06-25	7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
ETSI publication	1999-12-14	7 . 1 . 1	<a href="#">get it</a>	
smg-30	1999-11-11	7 . 2 . 0	<a href="#">get it</a>	
smg-31	2000-02-16	7 . 3 . 0	<a href="#">get it</a>	
ETSI publication	2000-10-15	7 . 3 . 1	<a href="#">get it</a>	
smg-31b	2000-04-17	7 . 4 . 0	<a href="#">get it</a>	
ETSI publication	2000-10-27	7 . 4 . 1	<a href="#">get it</a>	
GP-01	2000-10-10	7 . 5 . 0	<a href="#">get it</a>	
GP-06	2001-10-01	7 . 6 . 0	<a href="#">get it</a>	
GP-09	2002-05-06	7 . 7 . 0	<a href="#">get it</a>	
GP-10	2002-07-19	7 . 8 . 0	<a href="#">get it</a>	
GP-11	2002-09-19	7 . 9 . 0	<a href="#">get it</a>	

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## TS 05.08 Radio Subsystem Link Control

R98 *current version: 7.7.0* WG (prime / other): G1 / - *rapporteur:* EL-SAIGH, Amer VODAFONE Group Plc  
*freeze\_meeting:* smg-29 G: yes U: *MCC:* USAI, Paolino

*history (event, available, version, comments):*

smg-25		7 . 0 . 0		<i>remarks - general:</i>
smg-29		7 . 1 . 0		<i>remarks - this release:</i>
smg-30		7 . 2 . 0		
smg-30b		7 . 3 . 0		
ETSI publication		7 . 3 . 1		
smg-31b	2000-04-17	7 . 4 . 0	<a href="#">get it</a>	
ETSI publication		7 . 4 . 1		
GP-01	2000-10-10	7 . 5 . 0	<a href="#">get it</a>	
GP-02	2000-11-24	7 . 6 . 0	<a href="#">get it</a>	
edito	2000-11-30	7 . 6 . 1	<a href="#">get it</a>	
GP-06	2001-10-01	7 . 7 . 0	<a href="#">get it</a>	

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<b>TS 05.09</b>	<b>Link adaptation</b>				
R98	<i>current version:</i> 7.7.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC:	USAI, Paolino	
<i>history (event, available, version, comments):</i>					
	smg-28	1999-02-12	7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
	smg-29	1999-06-24	7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>
ETSI publication	1999-12-16	7 . 0 . 2	<a href="#">get it</a>		
	smg-30	1999-11-11	7 . 1 . 0	<a href="#">get it</a>	
	smg-31	1999-02-16	7 . 2 . 0	<a href="#">get it</a>	
ETSI publication	2000-10-05	7 . 2 . 1	<a href="#">get it</a>		
	smg-32	2000-06-28	7 . 3 . 0	<a href="#">get it</a>	
	GP-02	2000-09-01	7 . 4 . 0	<a href="#">get it</a>	
	GP-03	2001-02-15	7 . 5 . 0	<a href="#">get it</a>	
remove revision	2001-07-31	7 . 5 . 1	<a href="#">get it</a>		
	marks				
	GP-06	2001-10-01	7 . 6 . 0	<a href="#">get it</a>	
	GP-07	2002-01-04	7 . 7 . 0	<a href="#">get it</a>	

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<b>TS 05.10</b>	<b>Radio subsystem synchronization</b>				
R98	<i>current version:</i> 7.4.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> JOKINEN, Harri	NOKIA MOBILE PHONES	
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC:	USAI, Paolino	
<i>history (event, available, version, comments):</i>					
	smg-26	1998-06-26	7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
	smg-29	1999-06-25	7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> GERAN#2:7.4.0
ETSI publication	1999-12-14	7 . 1 . 1	<a href="#">get it</a>		
	smg-30	1999-11-11	7 . 2 . 0	<a href="#">get it</a>	
	smg-31b	2000-04-17	7 . 3 . 0	<a href="#">get it</a>	
ETSI publication	2000-10-17	7 . 3 . 1	<a href="#">get it</a>		
	GP-02	2000-11-24	7 . 4 . 0	<a href="#">get it</a>	

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<b>TS 05.14</b>	<b>Release independent frequency bands; Implementation guidelines</b>				
R98	<i>current version:</i> 7.2.0	<i>WG (prime / other):</i> G1 / G2	<i>rapporteur:</i> KANGAS, Antti	NOKIA Corporation	
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC:	USAI, Paolino	
<i>history (event, available, version, comments):</i>					
	GP-02	2001-01-05	7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Originally allocated as 09.20. Changed by request of GERAN chair 2000-11-09.
	GP-05	2001-06-29	7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> Originally allocated as 09.20. Changed by request of GERAN chair 2000-11-09.
Changed from G2 to G1 at same time.					
	GP-10	2002-07-19	7 . 2 . 0	<a href="#">get it</a>	GERAN#2:7.0.0

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<b>TR 05.22</b>	<b>Radio link management in hierarchical networks</b>				
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> VAN BUSSEL, Han	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
	Upgrade to Release 2000-03-30 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	98		<i>remarks - this release:</i>		
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<b>TR 05.50</b>	<b>Background for RF Requirements</b>				
R98	<i>current version:</i> 7.4.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> USAI, Paolino	Skov	
	<i>history (event, available, version, comments):</i>				
	smg-26 1998-06-26 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-29 1999-06-25 7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #26: 7.0.0 #29: 7.1.0 #30: 7.2.0 #31:7.3.0 #31b:7.4.0		
	smg-30 1999-11-11 7 . 2 . 0	<a href="#">get it</a>			
	smg-31 2000-02-16 7 . 3 . 0	<a href="#">get it</a>			
	smg-31b 2000-04-17 7 . 4 . 0	<a href="#">get it</a>			
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<b>TS 05.56</b>	<b>GSM Cordless Telephony System (CTS), Phase 1; CTS-Fixed Part (FP) radio subsystem</b>				
R98	<i>current version:</i> 7.1.1	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
	smg-28 1999-02-12 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-29 1999-06-25 7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	ETSI Publication 2000-09-05 7 . 1 . 1	<a href="#">get it</a>			
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<b>TR 05.90</b>	<b>GSM Electromagnetic Compatibility (EMC) considerations</b>				
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
	upgrade to R98 2001-04-10 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i> 2001-01-31: Record created on request of GERAN convenor. No R99 required tho.		

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R98

06 .- series

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<b>TS 06.01</b>	<b>Full Rate Speech Processing Functions</b>					
R98	<i>current version:</i> 7.0.2	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino		TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-28 1999-02-12 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 1999-12-14 7 . 0 . 2			<a href="#">get it</a>	<i>remarks - this release: #28: 7.0.0</i>	
<hr/>						
<b>TS 06.02</b>	<b>Half Rate Speech Processing Functions</b>					
R98	<i>current version:</i> 7.0.2	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve		MOTOROLA Ltd	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-28 1999-02-12 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 1999-12-14 7 . 0 . 2			<a href="#">get it</a>	<i>remarks - this release: #28: 7.0.0</i>	
<hr/>						
<b>TS 06.06</b>	<b>Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec</b>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve		MOTOROLA Ltd	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 2000-01-20 7 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release: #29: 7.0.0</i>	
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<b>TS 06.07</b>	<b>Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec</b>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve		MOTOROLA Ltd	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 2000-01-20 7 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release: #29: 7.0.0</i>	
<hr/>						
<b>TR 06.08</b>	<b>Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SALEM, Tarek		T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release: #29: 7.0.0</i>	

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<b>TS 06.10</b>	<b>Full Rate Speech Transcoding</b>					
R98	<i>current version:</i> 7.2.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> LORENZ, Dietmar	PHILIPS Semiconductors		
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-28 1999-02-12 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI OAP 1999-07-28 7 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>		
	ETSI publication 1999-12-14 7 . 0 . 2		<a href="#">get it</a>			
	inclusion of zip files 2000-03-29 7 . 0 . 3		<a href="#">get it</a>			
	inclusion of doc file 2000-05-31 7 . 0 . 4		<a href="#">get it</a>			
	(!)					
	smg-32 2000-06-20 7 . 1 . 0		<a href="#">get it</a>			
	SP-12 2001-06-29 7 . 2 . 0		<a href="#">get it</a>			

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<b>TS 06.11</b>	<b>Substitution and Muting of Lost Frames for Full Rate Speech Channels</b>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> NAVARRO, William	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 1999-12-29 7 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release: #29: 7.0.0</i>		

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<b>TS 06.12</b>	<b>Comfort Noise Aspects for Full Rate Speech Traffic Channels</b>					
R98	<i>current version:</i> 7.1.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SERENO, Daniele	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 2000-01-12 7 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release: #29: 7.0.0</i>		
	SP-12 2001-06-29 7 . 1 . 0		<a href="#">get it</a>			

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<b>TS 06.20</b>	<b>Half Rate Speech Transcoding</b>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI publication 2000-01-17 7 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release: #29: 7.0.0</i>		

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<b>TS 06.21</b>	<b>Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels</b>				
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-25 7 . 0 . 0		<a href="#">get it</a> <i>remarks - general:</i>		
	ETSI publication 2000-01-17 7 . 0 . 1		<a href="#">get it</a> <i>remarks - this release:</i> #29: 7.0.0		
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<b>TS 06.22</b>	<b>Comfort Noise Aspects for Half Rate Speech Traffic Channels</b>				
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-25 7 . 0 . 0		<a href="#">get it</a> <i>remarks - general:</i>		
	ETSI Publication 2000-01-20 7 . 0 . 1		<a href="#">get it</a> <i>remarks - this release:</i> #29: 7.0.0		
<hr/>					
<b>TS 06.31</b>	<b>Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels</b>				
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-25 7 . 0 . 0		<a href="#">get it</a> <i>remarks - general:</i>		
	ETSI Publication 2000-01-12 7 . 0 . 1		<a href="#">get it</a> <i>remarks - this release:</i> #29: 7.0.0		
<hr/>					
<b>TS 06.32</b>	<b>Voice Activity Detection (VAD)</b>				
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> BARRETT, Paul	Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-25 7 . 0 . 0		<a href="#">get it</a> <i>remarks - general:</i>		
	ETSI Publication 2000-01-13 7 . 0 . 1		<a href="#">get it</a> <i>remarks - this release:</i> #29: 7.0.0		
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<b>TS 06.41</b>	<b>Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels</b>				
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-25 7 . 0 . 0		<a href="#">get it</a> <i>remarks - general:</i>		
	ETSI Publication 2000-01-20 7 . 0 . 1		<a href="#">get it</a> <i>remarks - this release:</i> #29: 7.0.0		

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<b>TS 06.42</b>	<b>Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels</b>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> BARRETT, Paul	Indicate persons who left Company and wait for new One		
	<i>freeze_meeting:</i> smg-29	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
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	ETSI Publication 2000-01-20 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #29: 7.0.0			
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<b>TS 06.51</b>	<b>GSM Enhanced full rate speech processing functions: General description</b>					
R98	<i>current version:</i> 7.2.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-29	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
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	smg-29 1999-06-25 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #28: 7.0.0 #32:7.1.0 TSG#10:7.2.0			
	smg-32 2000-06-20 7 . 1 . 0	<a href="#">get it</a>				
	ETSI publication 2000-11-30 7 . 1 . 1	<a href="#">get it</a>				
	SP-10 2000-12-20 7 . 2 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 06.53</b>	<b>ANSI-C code for the GSM Enhanced Full Rate (EFR) speech codec</b>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-29	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI Publication 2000-01-12 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>						
<b>TS 06.54</b>	<b>Test sequences for the GSM Enhanced Full Rate (EFR)</b>					
R98	<i>current version:</i> 7.2.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-29	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication 2000-01-12 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-10 2000-12-20 7 . 2 . 0	<a href="#">get it</a>				

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**TR 06.55 Performance characterisation of the GSM EFR Speech Codec**  
R98 *current version: 7.0.0* WG (prime / other): S4 / - *rapporteur:* SALEM, Tarek T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* smg-29 G: yes U: *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release: #29: 7.0.0*

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**TS 06.60 Enhanced full rate speech transcoding**  
R98 *current version: 7.0.2* WG (prime / other): S4 / - *rapporteur:* JÄRVINEN, Kari NOKIA Corporation  
*freeze\_meeting:* smg-29 G: yes U: *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
smg-28 1999-02-12 7 . 0 . 0 [get it](#) *remarks - general:*  
ETSI Publication 1999-12-13 7 . 0 . 2 [get it](#) *remarks - this release: #28: 7.0.0*

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**TS 06.61 Substitution and muting of lost frames for enhanced full rate speech traffic channels**  
R98 *current version: 7.0.1* WG (prime / other): S4 / - *rapporteur:* JÄRVINEN, Kari NOKIA Corporation  
*freeze\_meeting:* smg-29 G: yes U: *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0 [get it](#) *remarks - general:*  
ETSI Publication 2000-01-12 7 . 0 . 1 [get it](#) *remarks - this release: #29: 7.0.0*

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**TS 06.62 Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels**  
R98 *current version: 7.0.1* WG (prime / other): S4 / - *rapporteur:* JÄRVINEN, Kari NOKIA Corporation  
*freeze\_meeting:* smg-29 G: yes U: *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0 [get it](#) *remarks - general:*  
ETSI Publication 2000-01-12 7 . 0 . 1 [get it](#) *remarks - this release: #29: 7.0.0*

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**TS 06.71 Adaptive Multi-Rate speech processing functions; General description**  
R98 *current version: 7.0.2* WG (prime / other): S4 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*freeze\_meeting:* smg-29 G: yes U: *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
smg-28 1999-02-12 7 . 0 . 0 [get it](#) *remarks - general: SMG11->S4 at SMG#30*  
ETSI Publication 1999-12-16 7 . 0 . 2 [get it](#) *remarks - this release: #28: 7.0.0*

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<b>TS 06.73</b>	<b>Adaptive Multi Rate (AMR) speech; ANSI-C code for the AMR speech codec</b>								
R98	<i>current version:</i> 7.6.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	USAI, Paolino	TELECOM ITALIA S.p.A.			
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino				
	<i>history (event, available, version, comments):</i>								
	smg-28 1999-02-12	7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	SMG11->S4 at SMG#30			
	smg-29 1999-06-25	7 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	#28: 7.0.0 #29: 7.1.0 #30: 7.2.0 SA#6: 7.3.0.0 TSG#7: 7.4.0 TSG#11:7.5.0			
	smg-30 1999-11-11	7 . 2 . 0		<a href="#">get it</a>					
	SP-06 1999-12-17	7 . 3 . 0		<a href="#">get it</a>					
	SP-07 2000-03-15	7 . 4 . 0		<a href="#">get it</a>					
	ETSI Publication 2000-09-28	7 . 4 . 1		<a href="#">get it</a>					
	SP-11 2001-04-10	7 . 5 . 0		<a href="#">get it</a>					
	SP-14 2002-01-09	7 . 6 . 0		<a href="#">get it</a>					

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<b>TS 06.74</b>	<b>Test sequences for the GSM Adaptive Multi Rate (AMR) speech codec</b>								
R98	<i>current version:</i> 7.3.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	EKUDDEN, Erik	Telefon AB LM Ericsson			
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino				
	<i>history (event, available, version, comments):</i>								
	smg-28 1999-02-12	2 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	SMG11->S4 at SMG#30			
	SP-06 1999-12-17	7 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>				
	corrected test 2000-02-04	7 . 0 . 1		<a href="#">get it</a>					
	vectors								
	corrected test 2000-09-14	7 . 0 . 2		<a href="#">get it</a>					
	vectors								
	ETSI publication 2000-10-05	7 . 0 . 3		<a href="#">get it</a>					
	SP-11 2001-04-10	7 . 1 . 0		<a href="#">get it</a>					
	corrected tests 2001-07-04	7 . 1 . 1		<a href="#">get it</a>					
	SP-15 2002-03-28	7 . 2 . 0		<a href="#">get it</a>					
	SP-16 2002-06-28	7 . 3 . 0		<a href="#">get it</a>					

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<b>TR 06.75</b>	<b>Performance characterization of the GSM Adaptive Multi-Rate (AMR) speech codec</b>								
R98	<i>current version:</i> 7.2.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	USAI, Paolino	TELECOM ITALIA S.p.A.			
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino				
	<i>history (event, available, version, comments):</i>								
	smg-29 1999-06-25	1 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	SMG11->S4 at SMG#30			
	smg-30 1999-11-11	7 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	SMG#29 1.0.0 for information SMG#30: 7.0.0 SA#6: 7.1.0. TSG#7: 7.2.0			
	SP-06 1999-12-17	7 . 1 . 0		<a href="#">get it</a>					
	SP-07 2000-03-17	7 . 2 . 0		<a href="#">get it</a>					

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G = required in systems with GERAN acces; U = required in systems with UMTS access.



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ACTIVE specs R98 06 .- series  
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<b>TR 06.76</b>	<b>Adaptive Multi-Rate (AMR) speech codec; Study phase report</b>					
R98	<i>current version:</i> 7.0.2	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	USAI, Paolino	TELECOM ITALIA S.p.A.
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	smg-31 2000-02-16 1 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	New at SMG#31. Then became 06.77; new 06.76 has new title.
	SP-07 2000-03-17 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	
	SP-07 2000-03-17 7 . 0 . 0			<a href="#">get it</a>		
	fix invisible figures 2002-01-10 7 . 0 . 1			<a href="#">get it</a>		
	refix invisible figures 2002-01-15 7 . 0 . 2			<a href="#">get it</a>		

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<b>TS 06.81</b>	<b>Discontinuous Transmission (DTX) for enhanced full rate speech traffic channels</b>					
R98	<i>current version:</i> 7.1.1	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	JÄRVINEN, Kari	NOKIA Corporation
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-30 1999-11-11 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	#29: 7.0.0 #30: 7.1.0
	ETSI Publication 2000-05-09 7 . 1 . 1			<a href="#">get it</a>		

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<b>TS 06.82</b>	<b>Voice Activity Detection (VAD) for enhanced full rate speech traffic channels</b>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	JÄRVINEN, Kari	NOKIA Corporation
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 2000-01-12 7 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i>	#29: 7.0.0

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<b>TR 06.85</b>	<b>Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	USAI, Paolino	TELECOM ITALIA S.p.A.
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	#29: 7.0.0

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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Server location: [http://www.3gpp.org/ftp/Specs/archive/06\\_series](http://www.3gpp.org/ftp/Specs/archive/06_series)

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<b>TS 06.90</b>	<b>Adaptive Multi-Rate speech transcoding</b>					
R98	<i>current version:</i> 7.2.1	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	USAI, Paolino	TELECOM ITALIA S.p.A.
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	smg-28 1999-02-12 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> SMG11->S4 at SMG#30	
	smg-29 1999-06-25 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> #28: 7.0.0 #29: 7.1.0 #30: 7.2.0	
	smg-30 1999-11-11 7 . 2 . 0			<a href="#">get it</a>		
	ETSI Publication 2000-05-09 7 . 2 . 1			<a href="#">get it</a>		

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<b>TS 06.91</b>	<b>Substitution and muting of lost frames for AMR speech traffic channels</b>					
R98	<i>current version:</i> 7.1.1	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	USAI, Paolino	TELECOM ITALIA S.p.A.
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	smg-28 1999-02-12 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> SMG11->S4 at SMG#30	
	smg-30 1999-11-11 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> #28: 7.0.0 #30: 7.1.0	
	ETSI Publication 2000-05-09 7 . 1 . 1			<a href="#">get it</a>		

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<b>TS 06.92</b>	<b>Comfort noise aspects for Adaptive Multi-Rate speech traffic channels</b>					
R98	<i>current version:</i> 7.1.1	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	USAI, Paolino	TELECOM ITALIA S.p.A.
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	smg-28 1999-02-12 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> SMG11->S4 at SMG#30	
	smg-29 1999-06-25 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> #28: 7.0.0 #29: 7.1.0	
	ETSI Publication 1999-12-17 7 . 1 . 1			<a href="#">get it</a>		

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<b>TS 06.93</b>	<b>Discontinuous Transmission (DTX) for Adaptive Multi-Rate speech traffic channels</b>					
R98	<i>current version:</i> 7.5.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	USAI, Paolino	TELECOM ITALIA S.p.A.
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	smg-28 1999-02-12 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> SMG11->S4 at SMG#30	
	smg-29 1999-06-25 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> #28: 7.0.0 #29: 7.1.0 #30: 7.2.0 SA#6: 7.3.0 TSG#8:7.4.0 TSG#10:7.5.0	
	smg-30 1999-11-11 7 . 2 . 0			<a href="#">get it</a>		
	SP-06 1999-12-17 7 . 3 . 0			<a href="#">get it</a>		
	ETSI publication 2001-03-21 7 . 3 . 1			<a href="#">get it</a>		
	SP-08 2000-06-28 7 . 4 . 0			<a href="#">get it</a>		
	ETSI publication 2000-11-30 7 . 4 . 1			<a href="#">get it</a>		
	SP-10 2000-12-21 7 . 5 . 0			<a href="#">get it</a>		

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**TS 06.94 Voice Activity Detector (VAD) for Adaptive Multi Rate (AMR) speech traffic channels**  
R98 *current version: 7.1.1* *WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
smg-28 1999-02-12 7 . 0 . 0 [get it](#) *remarks - general:* SMG11->S4 at SMG#30  
smg-29 1999-06-25 7 . 1 . 0 [get it](#) *remarks - this release:* #28: 7.0.0 #29: 7.1.0  
ETSI Publication 1999-12-22 7 . 1 . 1 [get it](#)

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R98 07 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/07\\_series](http://www.3gpp.org/ftp/Specs/archive/07_series)

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**TS 07.01 General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)**  
R98 *current version: 7.1.1* *WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* BOSWARTHICK, David  
*history (event, available, version, comments):*  
smg-27 1998-10-16 7 . 0 . 0 [get it](#) *remarks - general:*  
smg-28 1999-02-12 7 . 1 . 0 [get it](#) *remarks - this release:*  
ETSI Publication 1999-08-10 7 . 1 . 1 [get it](#)

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**TS 07.02 Terminal Adaptation Functions (TAF) for Services Using Asynchronous Bearer Capabilities**  
R98 *current version: 7.0.1* *WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* BOSWARTHICK, David  
*history (event, available, version, comments):*  
smg-27 1998-10-16 7 . 0 . 0 [get it](#) *remarks - general:*  
ETSI Publication 1999-08-10 7 . 0 . 1 [get it](#) *remarks - this release:* #27: 7.0.0

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**TS 07.03 Terminal Adaptation Functions (TAF) for Services Using Synchronous Bearer Capabilities**  
R98 *current version: 7.0.0* *WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* BOSWARTHICK, David  
*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #29: 7.0.0

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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ACTIVE specs R98 07 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/07\\_series](http://www.3gpp.org/ftp/Specs/archive/07_series)

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**TS 07.05 Use of Data Terminal Equipment - Data Circuit Terminating Equipment (DTE-DCE) Interface for Short Message Services (SMS) and Cell Broadcast Services (CBS)**

R98 *current version:* 7.0.1 *WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*freeze\_meeting:* smg-29 *G:* yes *U:* *MCC:* RODERMUND, Friedhelm  
*history (event, available, version, comments):*  
smg-28 1999-02-12 7 . 0 . 0 [get it](#) *remarks - general:*  
ETSI Publication 1999-08-17 7 . 0 . 1 [get it](#) *remarks - this release:*

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**TS 07.07 AT Command set for GSM Mobile Equipment (ME)**

R98 *current version:* 7.8.0 *WG (prime / other):* T2 / - *rapporteur:* CHRISTENSEN, Soren Telefon AB LM Ericsson  
*freeze\_meeting:* SP-08 *G:* yes *U:* *MCC:* RODERMUND, Friedhelm  
*history (event, available, version, comments):*  
smg-26 1998-06-26 7 . 0 . 0 [get it](#) *remarks - general:*  
smg-27 1998-10-16 7 . 1 . 0 [get it](#) *remarks - this release:*  
smg-28 1999-02-12 7 . 2 . 0 [get it](#)  
smg-29 1999-06-25 7 . 3 . 0 [get it](#)  
TP-05 1999-10-13 7 . 4 . 0 [get it](#)  
TP-06 1999-12-15 7 . 5 . 0 [get it](#)  
TP-11 2001-04-06 7 . 6 . 0 [get it](#)  
TP-14 2002-01-11 7 . 7 . 0 [get it](#)  
TP-19 2003-03-28 7 . 8 . 0 [get it](#)

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**TS 07.10 Terminal Equipment to Mobile Station (TE-MS) multiplexer protocol**

R98 *current version:* 7.2.0 *WG (prime / other):* T2 / - *rapporteur:* BROOK, Richard SAMSUNG Electronics Research Institute  
*freeze\_meeting:* smg-29 *G:* yes *U:* *MCC:* RODERMUND, Friedhelm  
*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0 [get it](#) *remarks - general:*  
TP-05 1999-10-08 7 . 1 . 0 [get it](#) *remarks - this release:*  
TP-15 2002-03-26 7 . 2 . 0 [get it](#)

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**TS 07.60 General Packet Radio Service (GPRS); Mobile Station (MS) supporting GPRS**

R98 *current version:* 7.2.0 *WG (prime / other):* N3 / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*freeze\_meeting:* smg-29 *G:* yes *U:* *MCC:* BOSWARTHICK, David  
*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0 [get it](#) *remarks - general:*  
NP-05 1999-10-08 7 . 1 . 0 [get it](#) *remarks - this release:* #29: 7.0.0 TSG#5: 7.1.0 TSG#11:7.2.0  
NP-11 2001-04-04 7 . 2 . 0 [get it](#)

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R98 08 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/08\\_series](http://www.3gpp.org/ftp/Specs/archive/08_series)

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**TS 08.01 General Aspects on the BSS-MSC Interface**  
R98 *current version:* 7.0.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-29 Skov  
THOMASEN, Gert  
*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0  
[get it](#) *remarks - general:*  
*remarks - this release:*

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**TS 08.02 Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles**  
R98 *current version:* 7.0.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-29 Skov  
THOMASEN, Gert  
*history (event, available, version, comments):*  
smg-29 1999-06-25 7 . 0 . 0  
[get it](#) *remarks - general:*  
*remarks - this release:*

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**TS 08.04 Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification**  
R98 *current version:* 7.0.1 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-29 Skov  
THOMASEN, Gert  
*history (event, available, version, comments):*  
smg-28 1999-02-12 7 . 0 . 0  
ETSI Publication 1999-08-17 7 . 0 . 1  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*

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**TS 08.06 Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface**  
R98 *current version:* 7.0.1 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-29 Skov  
THOMASEN, Gert  
*history (event, available, version, comments):*  
smg-28 1999-02-12 7 . 0 . 0  
ETSI Publication 1999-08-17 7 . 0 . 1  
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[get it](#) *remarks - this release:*

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## TS 08.08 Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification

R98 *current version: 7.7.0* WG (prime / other): G2 / - rapporteur: ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting: smg-29*

G: yes U: MCC: THOMASEN, Gert

### history (event, available, version, comments):

smg-25	1998-03-20	7	.	0	.	0	<a href="#">get it</a> remarks - general:
smg-28	1999-02-12	7	.	1	.	0	<a href="#">get it</a> remarks - this release:
smg-29	1999-06-25	7	.	2	.	0	<a href="#">get it</a>
smg-30	1999-11-11	7	.	3	.	0	<a href="#">get it</a>
smg-30b	1999-12-06	7	.	4	.	0	<a href="#">get it</a>
smg-31b	2000-04-17	7	.	5	.	0	<a href="#">get it</a>
smg-31	2000-02-16	7	.	5	.	0	<a href="#">get it</a>
smg-32	2000-06-20	7	.	6	.	0	<a href="#">get it</a>
edito	2000-09-14	7	.	6	.	1	<a href="#">get it</a>
GP-01	2000-10-11	7	.	7	.	0	<a href="#">get it</a>

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## TS 08.14 General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1

R98 *current version: 7.0.1* WG (prime / other): G2 / - rapporteur: ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting: smg-29*

G: yes U: MCC: THOMASEN, Gert

### history (event, available, version, comments):

smg-28	1999-02-12	7	.	0	.	0	<a href="#">get it</a> remarks - general:
ETSI Publication	1999-08-30	7	.	0	.	1	<a href="#">get it</a> remarks - this release:

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## TS 08.16 General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service

R98 *current version: 7.1.0* WG (prime / other): G2 / - rapporteur: ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting: smg-29*

G: yes U: MCC: THOMASEN, Gert

### history (event, available, version, comments):

smg-28	1999-02-12	7	.	0	.	0	<a href="#">get it</a> remarks - general:
smg-29	1999-06-25	7	.	1	.	0	<a href="#">get it</a> remarks - this release:

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<b>TS 08.18</b>	<b>General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol</b>					
R98	<i>current version:</i> 7.5.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> BLACK, Jyoti	MOTOROLA		
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC:	THOMASEN, Gert		
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25	7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-30 1999-11-11	7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-31 2000-02-16	7 . 3 . 0	<a href="#">get it</a>			
ETSI publication	2000-05-26	7 . 3 . 1	<a href="#">get it</a>			
GP-03	2001-01-31	7 . 4 . 0	<a href="#">get it</a>			
GP-05	2001-06-18	7 . 5 . 0	<a href="#">get it</a>			

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<b>TS 08.20</b>	<b>Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface</b>					
R98	<i>current version:</i> 7.1.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> RÄSÄNEN, Juha	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC:	BOSWARTHICK, David		
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16	7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-29 1999-06-25	7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-11 2001-04-04	7 . 1 . 0	<a href="#">get it</a>			

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<b>TS 08.31</b>	<b>Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification</b>					
R98	<i>current version:</i> 7.1.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S		
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC:	THOMASEN, Gert		
	<i>history (event, available, version, comments):</i>					
	smg-30	1 . 0 . 0		<i>remarks - general:</i>		
	smg-30b 1999-12-06	7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>		
	GP-05 2001-06-18	7 . 1 . 0	<a href="#">get it</a>			

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<b>TS 08.51</b>	<b>Base Station Controller - Base Transceiver Station (BSC-BTS) Interface General Aspects</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S		
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC:	THOMASEN, Gert		
	<i>history (event, available, version, comments):</i>					
	smg-29 1999-06-25	7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i>		

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<b>TS 08.52</b>	<b>Base Station Controller - Base Transceiver Station (BSC-BTS) Interface - Interface Principles</b>				
R98	<i>current version: 7.0.0</i>	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting: smg-29</i>		Skov		
		<i>G: yes U:</i>	<i>MCC:</i>	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-25 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i>		
<hr/>					
<b>TS 08.54</b>	<b>BSC-BTS Layer 1; Structure of Physical Circuits</b>				
R98	<i>current version: 7.0.0</i>	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting: smg-29</i>		Skov		
		<i>G: yes U:</i>	<i>MCC:</i>	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-25 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i>		
<hr/>					
<b>TS 08.56</b>	<b>BSC-BTS Layer 2; Specification</b>				
R98	<i>current version: 7.0.0</i>	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting: smg-29</i>		Skov		
		<i>G: yes U:</i>	<i>MCC:</i>	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-25 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i>		
<hr/>					
<b>TS 08.58</b>	<b>Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification</b>				
R98	<i>current version: 7.4.1</i>	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting: smg-29</i>		Skov		
		<i>G: yes U:</i>	<i>MCC:</i>	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i>				
	smg-28 1999-02-12 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-29 1999-06-25 7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release: #28: 7.0.0 #29: 7.1.0 #30: 7.2.0 #31:7.4.0</i>		
	smg-30 1999-11-11 7 . 2 . 0	<a href="#">get it</a>			
	smg-31 2000-02-16 7 . 4 . 0	<a href="#">get it</a>			
	ETSI Publication 2000-05-26 7 . 4 . 1	<a href="#">get it</a>			

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**TS 08.60 In-band control of remote transcoders and rate adaptors for Enhanced Full Rate (EFR) and full rate traffic channels**  
R98 *current version: 7.3.0* WG (prime / other): G1 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-29 G: yes U: MCC: USAI, Paolino

*history (event, available, version, comments):*

smg-29	2000-06-25	7	0	0	<a href="#">get it</a>	<i>remarks - general:</i>	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
smg-30	1999-11-11	7	1	0	<a href="#">get it</a>	<i>remarks - this release:</i>	
smg-30b	1999-12-06	7	2	0	<a href="#">get it</a>		
ETSI publication	2000-09-07	7	2	1	<a href="#">get it</a>		
GP-08	2002-02-19	7	3	0	<a href="#">get it</a>		

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**TS 08.61 In-band control of remote transcoders and rate adaptors for half rate traffic channels**  
R98 *current version: 7.3.0* WG (prime / other): G1 / NP *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-29 G: yes U: MCC: USAI, Paolino

*history (event, available, version, comments):*

smg-29	1999-06-25	7	0	0	<a href="#">get it</a>	<i>remarks - general:</i>	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
smg-30	1999-11-11	7	1	0	<a href="#">get it</a>	<i>remarks - this release:</i>	
smg-30b	1999-12-06	7	2	0	<a href="#">get it</a>		
Edito	1999-12-15	7	2	1	<a href="#">get it</a>		
GP-08	2002-02-19	7	3	0	<a href="#">get it</a>		

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**TS 08.62 Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3**  
R98 *current version: 7.1.1* WG (prime / other): S4 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*freeze\_meeting:* smg-29 G: yes U: MCC: USAI, Paolino

*history (event, available, version, comments):*

smg-28	1999-02-12	7	0	0	<a href="#">get it</a>	<i>remarks - general:</i>	SMG11->S4 at SMG#30
SP-07	1999-03-15	7	1	0	<a href="#">get it</a>	<i>remarks - this release:</i>	#28: 7.0.0 TSG#7: 7.1.0
edito	2000-08-09	7	1	1	<a href="#">get it</a>		

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## TS 08.71 Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3

R98  
*current version:* 7.6.0  
*freeze\_meeting:* smg-29  
*WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*G:* yes *U:* *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*

smg-29	1999-06-25	7	.	0	.	0
smg-30b	1999-12-06	7	.	1	.	0
edito	1999-12-31	7	.	1	.	1
smg-31	2000-02-16	7	.	2	.	0
smg-31b	2000-04-17	7	.	3	.	0
GP-02	2000-11-30	7	.	4	.	0
GP-06	2001-09-14	7	.	5	.	0
GP-07	2002-01-08	7	.	6	.	0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
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R98 09 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/09\\_series](http://www.3gpp.org/ftp/Specs/archive/09_series)

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## TR 09.01 General Network Interworking Scenarios

R98  
*current version:* 7.0.0  
*freeze\_meeting:* smg-29  
*WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*G:* yes *U:* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

smg-29	1999-06-25	7	.	0	.	0
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[get it](#) *remarks - general:*  
*remarks - this release:*

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<b>TS 09.02</b>	<b>Mobile Application Part (MAP) Specification</b>						
R98	<i>current version:</i> 7.15.0		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich		Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> smg-29		<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>						
	smg-28 1999-02-12 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> CN->N4 Apr00 (JMM)		
	smg-29 1999-06-25 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-05 1999-10-08 7 . 2 . 0			<a href="#">get it</a>			
	NP-06 1999-12-13 7 . 3 . 0			<a href="#">get it</a>			
	NP-07 2000-03-15 7 . 4 . 0			<a href="#">get it</a>			
	NP-08 2000-06-21 7 . 5 . 0			<a href="#">get it</a>			
	edito 2000-09-04 7 . 5 . 1			<a href="#">get it</a>			
	NP-09 2000-11-08 7 . 6 . 0			<a href="#">get it</a>			
	NP-10 2000-12-21 7 . 7 . 0			<a href="#">get it</a>			
	NP-11 2001-04-06 7 . 8 . 0			<a href="#">get it</a>			
	NP-12 2001-07-06 7 . 9 . 0			<a href="#">get it</a>			
	NP-14 2002-01-18 7 . 10 . 0			<a href="#">get it</a>			
	NP-15 2002-04-04 7 . 11 . 0			<a href="#">get it</a>			
	NP-18 2003-01-08 7 . 12 . 0			<a href="#">get it</a>			
	NP-19 2003-04-07 7 . 13 . 0			<a href="#">get it</a>			
	NP-21 2003-10-09 7 . 14 . 0			<a href="#">get it</a>			
	NP-23 2004-03-23 7 . 15 . 0			<a href="#">get it</a>			

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<b>TS 09.03</b>	<b>Signalling Requirements on Interworking between the Intergrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) and the Public Land Mobile</b>						
R98	<i>current version:</i> <b>Network (PLMN)</b>	7.0.0	<i>WG (prime / other):</i> N3	/-	<i>rapporteur:</i> BOSWARTHICK, David		
ETSI Secretariat							
	<i>freeze_meeting:</i> smg-29		<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version, comments):</i>						
	smg-29 1999-06-25 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> N3: "no R99 needed".		
					<i>remarks - this release:</i> #29: 7.0.0		

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<b>TS 09.04</b>	<b>Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)</b>						
R98	<i>current version:</i> 7.0.0		<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat		
	<i>freeze_meeting:</i> smg-29		<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version, comments):</i>						
	smg-29 1999-06-25 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> N3: "no R99 needed".		
					<i>remarks - this release:</i> #29: 7.0.0		

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<b>TS 09.05</b>	<b>Interworking between the PLMN and the PSPDN for PAD Access</b>								
R98	<i>current version:</i> 7.0.0		<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat				
	<i>freeze_meeting:</i> smg-29		G: yes U:	<i>MCC:</i> BOSWARTHICK, David					
	<i>history (event, available, version, comments):</i>								
	smg-29 1999-06-25 7 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i> N3: "no R99 needed".		
							<i>remarks - this release:</i> #29: 7.0.0		
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<b>TS 09.06</b>	<b>Interworking between a Public Land Mobile Network (PLMN) and a Packet Switched Public Data Network/Intergrated Services digital Network (PSPDN/ISDN) for Support of Packet</b>								
R98	<i>current version:</i> Switched Data Transmission Services	7.0.0	<i>WG (prime / other):</i> N3	/-	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat			
	<i>freeze_meeting:</i> smg-29		G: yes U:	<i>MCC:</i> BOSWARTHICK, David					
	<i>history (event, available, version, comments):</i>								
	smg-29 1999-06-25 7 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i> N3: "no R99 needed".		
							<i>remarks - this release:</i> #29: 7.0.0		
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<b>TS 09.07</b>	<b>General Requirements on Interworking between the Public Land Mobile Network (PLMN) and the Intergrated Services Digital Network (ISDN) or Public Switched Telephone</b>								
R98	<i>current version:</i> Network (PSTN)	7.2.0	<i>WG (prime / other):</i> N3	/-	<i>rapporteur:</i> KLEHN, Norbert	SIEMENS AG			
	<i>freeze_meeting:</i> smg-29		G: yes U:	<i>MCC:</i> BOSWARTHICK, David					
	<i>history (event, available, version, comments):</i>								
	smg-27 1998-10-16 7 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-28 1999-02-12 7 . 1 . 0					<a href="#">get it</a>	<i>remarks - this release:</i> #27: 7.0.0 #28: 7.1.0 #29: 7.1.1 N#6: 7.2.0		
	smg-29 1999-06-25 7 . 1 . 1					<a href="#">get it</a>			
	NP-06 1999-12-15 7 . 2 . 0					<a href="#">get it</a>			
<hr/>									
<b>TS 09.08</b>	<b>Application of the Base Station System Application Part (BSSAP) on the E-Interface</b>								
R98	<i>current version:</i> 7.2.0		<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> FARHOUMAND, Rouzbeh	Ericsson Incorporated				
	<i>freeze_meeting:</i> smg-29		G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan					
	<i>history (event, available, version, comments):</i>								
	smg-29 1999-06-25 7 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-30 1999-11-11 7 . 1 . 0					<a href="#">get it</a>	<i>remarks - this release:</i> #29: 7.0.0 #30: 7.1.0 tsg#6:(7.1.0 then) 7.2.0		
	NP-06 1999-12-13 7 . 2 . 0					<a href="#">get it</a>			

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<b>TS 09.10</b>	<b>Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling</b>								
R98	<i>current version:</i> Procedures and the Mobile Application Part (MAP)	7.2.0	WG (prime / other):	N4	/ -	<i>rapporteur:</i>	KYMALAINEN, Kimmo		
	TeliaSonera AB								
	<i>freeze_meeting:</i> smg-29		G: yes	U:		MCC:	KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>								
	smg-29	1999-06-25	7	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	NP-06	1999-12-15	7	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> #29: 7.0.0 TSG#6: 7.1.0 TSG#11:7.2.0
	NP-11	2001-04-04	7	.	2	.	0	<a href="#">get it</a>	

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<b>TS 09.11</b>	<b>Signalling Interworking for Supplementary Services</b>								
R98	<i>current version:</i> 7.0.1		WG (prime / other):	N4	/ -	<i>rapporteur:</i>	WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> smg-29		G: yes	U:		MCC:	KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>								
	smg-28	1999-02-12	7	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	ETSI Publication	1999-03-12	7	.	0	.	1	<a href="#">get it</a>	<i>remarks - this release:</i> #28: 7.0.0

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<b>TS 09.13</b>	<b>Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols</b>								
R98	<i>current version:</i> 7.0.0		WG (prime / other):	N4	/ -	<i>rapporteur:</i>	WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> smg-29		G: yes	U:		MCC:	KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>								
	smg-29	1999-06-25	7	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
									<i>remarks - this release:</i>

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<b>TS 09.14</b>	<b>Application of ISDN User Part (ISUP) Version 3 for the Integrated Services Digital Network (ISDN) - Public Land Mobile Network (PLMN) signalling interface; Paart 1: Protocol</b>								
R98	<i>current version:</i> 7.0.2		WG (prime / other):	TISPAN /	N4	<i>rapporteur:</i>	SPORTON, Simon	VODAFONE Group Plc	
	<i>freeze_meeting:</i> smg-29		G: yes	U:		MCC:			
	<i>history (event, available, version, comments):</i>								
	SPS approval	1999-06-30	7	.	0	.	1	<a href="#">get it</a>	<i>remarks - general:</i> EN 302 646
	ETSI publication	2000-09-26	7	.	0	.	2	<a href="#">get it</a>	<i>remarks - this release:</i> (SPAN1)

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<b>TS 09.16</b>	<b>General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface network service specification</b>								
R98	<i>current version:</i> 7.0.1		WG (prime / other):	N1	/ -	<i>rapporteur:</i>	DAWES, Peter	VODAFONE LTD	
	<i>freeze_meeting:</i> smg-29		G: yes	U:		MCC:	JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>								
	smg-28	1999-02-12	7	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	ETSI Publication	1999-08-17	7	.	0	.	1	<a href="#">get it</a>	<i>remarks - this release:</i>

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**TS 09.18 General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification**  
R98 *current version:* 7.5.0 *WG (prime / other):* N1 / - *rapporteur:* DAWES, Peter VODAFONE LTD  
*freeze\_meeting:* smg-29 *G:* yes *U:* *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*

smg-28	1999-02-12	7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-29	1999-06-25	7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
NP-05	1999-10-08	7 . 2 . 0	<a href="#">get it</a>	
NP-07	2000-03-15	7 . 3 . 0	<a href="#">get it</a>	
NP-13	2001-10-02	7 . 4 . 0	<a href="#">get it</a>	
NP-14	2002-01-04	7 . 5 . 0	<a href="#">get it</a>	

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**TS 09.31 Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)**  
R98 *current version:* 7.8.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-29 *G:* yes *U:* *MCC:* THOMASEN, Gert  
Skov

*history (event, available, version, comments):*

smg-30b	1999-12-06	7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-31	2000-02-16	7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
smg-31b	2000-04-17	7 . 2 . 0	<a href="#">get it</a>	
smg-32	2000-06-28	7 . 3 . 0	<a href="#">get it</a>	
GP-01	2000-10-11	7 . 4 . 0	<a href="#">get it</a>	
ETSI publication		7 . 4 . 1		ETSI format only. Not for 3GPP use.
GP-06	2001-09-18	7 . 5 . 0	<a href="#">get it</a>	
GP-07	2002-01-08	7 . 6 . 0	<a href="#">get it</a>	
GP-10	2002-07-19	7 . 7 . 0	<a href="#">get it</a>	
GP-19	2004-05-06	7 . 8 . 0	<a href="#">get it</a>	

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ACTIVE specs R98 09 .- series  
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## TS 09.60 General Packet Radio Service (GPRS); GPRS Tunnelling Protocol GPT) across the Gn and Gp Interface

R98 *current version:* 7.10.0 *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

smg-28	1999-02-12	7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-29	1999-06-25	7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
NP-05	1999-10-08	7 . 2 . 0	<a href="#">get it</a>	
NP-06	1999-12-15	7 . 3 . 0	<a href="#">get it</a>	
NP-07	2000-03-15	7 . 4 . 0	<a href="#">get it</a>	
NP-08	2000-06-21	7 . 5 . 0	<a href="#">get it</a>	
NP-09	2000-10-31	7 . 6 . 0	<a href="#">get it</a>	
NP-11	2001-04-02	7 . 7 . 0	<a href="#">get it</a>	
edito	2001-07-04	7 . 7 . 1	<a href="#">get it</a>	prob with figures. Expect an update.
make figures visible	2001-08-09	7 . 7 . 2	<a href="#">get it</a>	
NP-13	2001-10-03	7 . 8 . 0	<a href="#">get it</a>	
NP-16	2002-06-21	7 . 9 . 0	<a href="#">get it</a>	
NP-18	2003-01-07	7 . 10 . 0	<a href="#">get it</a>	

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## TS 09.61 General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)

R98 *current version:* 7.10.0 *WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* BOSWARTHICK, David

*history (event, available, version, comments):*

smg-28	1999-02-12	7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-29	1999-06-25	7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
NP-06	1999-12-15	7 . 2 . 0	<a href="#">get it</a>	
NP-11	2001-04-04	7 . 3 . 0	<a href="#">get it</a>	
NP-13	2001-10-12	7 . 4 . 0	<a href="#">get it</a>	
NP-14	2002-01-14	7 . 5 . 0	<a href="#">get it</a>	
NP-15	2002-03-20	7 . 6 . 0	<a href="#">get it</a>	
NP-16	2002-07-02	7 . 7 . 0	<a href="#">get it</a>	
NP-18	2003-01-09	7 . 8 . 0	<a href="#">get it</a>	
NP-19	2003-03-27	7 . 9 . 0	<a href="#">get it</a>	
NP-20	2003-06-23	7 . 10 . 0	<a href="#">get it</a>	

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<b>TS 09.78</b>	<b>CAMEL Application Part phase 2 (stage 3)</b>								
R98	<i>current version:</i> 7.1.0		<i>WG (prime / other):</i> N2 / -		<i>rapporteur:</i> NOLDUS, Rogier		Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> smg-29		G: yes U:		<i>MCC:</i> JURISIC, Andrijana				
	<i>history (event, available, version, comments):</i>								
	smg-29 1999-06-25	7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-08 2000-06-21	7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>									
<b>TR 09.94</b>	<b>Recommended infrastructure measures to overcome specific Mobile Station (MS) faults</b>								
R98	<i>current version:</i> 7.0.1		<i>WG (prime / other):</i> N1 / -		<i>rapporteur:</i> ANDERSEN, Niels Peter		MOTOROLA A/S		
	<i>freeze_meeting:</i> smg-28		G: yes U:		Skov		JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>								
	NP-16 2002-06-26	7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>			
	edito post NP-18 2002-12-16	7 . 0 . 1		minor editorials to change style from TS	<a href="#">get it</a>	<i>remarks - this release:</i>	2002-05-02 (Hietalahti): Anticipate resurrection as null document pointing to latest Release version.		
				TR.					
<hr/>									
<b>TR 09.95</b>	<b>Interworking between modified PLMN supporting GPRS and legacy GPRS mobiles</b>								
R98	<i>current version:</i> 7.3.0		<i>WG (prime / other):</i> G1 / -		<i>rapporteur:</i> ANDERSEN, Niels Peter		MOTOROLA A/S		
	<i>freeze_meeting:</i> GP-04		G: yes U:		Skov		USAI, Paolino		
	<i>history (event, available, version, comments):</i>								
	GP-04 2001-04-20	7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>			
	GP-07 2002-01-04	7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>			
	GP-08 2002-02-19	7 . 2 . 0			<a href="#">get it</a>				
	GP-12 2003-01-03	7 . 3 . 0			<a href="#">get it</a>				

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R98 10 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/10\\_series](http://www.3gpp.org/ftp/Specs/archive/10_series)

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<b>TS 10.00</b>	<b>Digital Cellular Telecommunication System Feature Description</b>								
R98	<i>current version:</i> 7.1.0		<i>WG (prime / other):</i> S2 / -		<i>rapporteur:</i> BERGMANN, Ansgar		Deutsche Telekom AG		
	<i>freeze_meeting:</i> smg-29		G: yes U:		<i>MCC:</i> YOON, Sang-Ui				
	<i>history (event, available, version, comments):</i>								
	smg-26 1998-09-11	7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-27	7 . 1 . 0		Not available		<i>remarks - this release:</i>	#27: 7D1.0		

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<b>TS 10.56</b>	<b>Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1</b>						
R98	<i>current version:</i> 7.0.0		<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> GALLIGO, Michel		ALCATEL S.A.	
	<i>freeze_meeting:</i> smg-29		<i>G: yes U:</i>	<i>MCC:</i> YOON, Sang-Ui			
	<i>history (event, available, version, comments):</i>						
	draft	1998-08-28	2 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-27	2000-02-09	7 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		

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<b>TS 10.70</b>	<b>GSM Adaptive Multi-Rate Speech Codec (AMR); Project schedule and open issues for AMR</b>						
R98	<i>current version:</i> 0.2.1	DRAFT	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> VACANT,			
	<i>freeze_meeting:</i> smg-29		<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>						
	smg-27	1998-10-16	0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-28	1999-02-12	0 . 2 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	draft	1999-02-05	0 . 2 . 1	<a href="#">get it</a>			

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R98 11 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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<b>TS 11.10-1</b>	<b>Mobile station (MS) conformance specification; Part 1: Conformance specification</b>						
R98	<i>current version:</i> 7.3.0		<i>WG (prime / other):</i> G3new/ S1 /	<i>rapporteur:</i> SALMERON, Lidia		TELEPLUS LIMITED	
	<i>freeze_meeting:</i> smg-29		NP /				
			T2 /				
			SCP				
			<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>						
	smg-29	1999-06-25	7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	R99 version now serves all releases. Earlier releases closed.. Subsequently replaced	
	smg-30	1999-11-11	7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	#31bis: closed (R99 version serves all releases). GP-06: Rel-4 serves all releases.	
by Rel-5 equivalent.	2001-11-19:	G4->G5.					
	smg-31	2000-02-16	7 . 2 . 0	<a href="#">get it</a>			
editorial correction	2000-02-16	7 . 2 . 1		<a href="#">get it</a>			
	GP-06	2001-09-06	7 . 3 . 0	<a href="#">get it</a>			

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## TS 11.10-4 Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification

R98 *current version:* 7.0.0 *WG (prime / other):* T3 / G2, *rapporteur:* SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* smg-29 G3new

G: yes U: MCC: JURISIC, Andrijana

*history (event, available, version, comments):*  
GP-13 2003-02-21 7 . 0 . 0

[get it](#) *remarks - general:* TP-17: T3 proposes to take over this spec from G5, and to approve a new R99 version  
*remarks - this release:* GP-13: doc becomes pointer to latest Rel version. not derived from R96 by CR; also to

withdraw the R96 version, since the R99 version

will cover all previous Releases. TP-20: accepted by T3 (from G4).

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## TS 11.11 Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface

R98 *current version:* 7.7.0 *WG (prime / other):* T3 / - *rapporteur:* GUTHERY, Scott B. Mobile-Mind Inc.  
*freeze\_meeting:* smg-32 G: yes U: MCC: JURISIC, Andrijana

*history (event, available, version, comments):*

smg-26 1998-06-26 7 . 0 . 0  
smg-27 1998-10-16 7 . 1 . 0  
smg-28 1999-02-12 7 . 2 . 0  
smg-29 1999-06-25 7 . 3 . 0  
smg-30 1999-11-11 7 . 4 . 0  
smg-31 2000-02-16 7 . 5 . 0  
smg-32 2000-06-28 7 . 6 . 0  
edito 2000-07-24 7 . 6 . 1  
TP-14 2002-01-17 7 . 7 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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<b>TS 11.13</b>	<b>Test specification for Subscriber Interface Module (SIM) Application Programme Interface (API) for Java card</b>					
R98	<i>current version:</i> 7.4.2	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> BEGASSAT, Christophe	Axalto S.A.		
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>	<i>MCC:</i> JURISIC, Andrijana			
<i>history (event, available, version, comments):</i>						
	T3-16	0 . 2 . 0			<i>remarks - general:</i>	
	TP-10 2001-01-11	1 . 0 . 0	<a href="#">get it</a>		<i>remarks - this release:</i>	
	TP-11 2001-05-16	7 . 0 . 0	<a href="#">get it</a>	late delivery due to very poor initial formatting		
	edito 2002-08-08	7 . 0 . 1	<a href="#">get it</a>	7.0.0. had wrong date on cover page / header		
	TP-12 2001-07-12	7 . 1 . 0	<a href="#">get it</a>			
	TP-13 2001-10-12	7 . 2 . 0	<a href="#">get it</a>			
	TP-14 2002-02-01	7 . 3 . 0	<a href="#">get it</a>			
	TP-15 2002-04-04	7 . 4 . 0	<a href="#">get it</a>			
	edito post TP-15 2002-04-12	7 . 4 . 1	<a href="#">get it</a>	adds missing annex attachments		
	edito post TP-17 2002-09-18	7 . 4 . 2	<a href="#">get it</a>	changes reference to withdrawn ETSI TS.		

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<b>TS 11.14</b>	<b>Specification of the SIM Application Toolkit (SAT) for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface</b>					
R98	<i>current version:</i> 7.7.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> WOODSEND, Kristian	Indicate persons who left Company and wait for new One		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> JURISIC, Andrijana			
<i>history (event, available, version, comments):</i>						
	smg-26 1998-06-26	7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-27 1998-10-16	7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-28 1999-02-12	7 . 2 . 0	<a href="#">get it</a>			
	smg-29 1999-06-25	7 . 3 . 0	<a href="#">get it</a>			
	smg-31 2000-02-16	7 . 4 . 0	<a href="#">get it</a>			
	smg-32 2000-06-28	7 . 5 . 0	<a href="#">get it</a>			
	TP-09 2000-10-18	7 . 6 . 0	<a href="#">get it</a>			
	TP-12 2001-07-06	7 . 7 . 0	<a href="#">get it</a>			

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<b>TS 11.17</b>	<b>Subscriber Interface Module (SIM) test specification</b>					
R98	<i>current version:</i> 7.0.2	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> BREMNER, David	Indicate persons who left Company and wait for new One		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> JURISIC, Andrijana			
<i>history (event, available, version, comments):</i>						
	smg-28 1999-02-12	7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 1999-12-14	7 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release:</i>		

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<b>TS 11.18</b>	<b>Specification of the 1.8 Volt Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface</b>				
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> LINDHOLM, Rune	NOKIA Corporation	
	<i>freeze_meeting:</i> smg-29	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> JURISIC, Andrijana		
	<i>history (event, available, version, comments):</i>				
	smg-25 1998-03-20 1 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-28 1999-02-12 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #25: 1.0.0 #28: 7.0.0	
	ETSI Publication 1999-08-17 7 . 0 . 1		<a href="#">get it</a>		
<hr/>					
<b>TS 11.19</b>	<b>CTS SIM Fixed Part</b>				
R98	<i>current version:</i> 7.0.3	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> HUBBE, Pascal	ALCATEL S.A.	
	<i>freeze_meeting:</i> smg-29	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> JURISIC, Andrijana		
	<i>history (event, available, version, comments):</i>				
	smg-28 1999-02-12 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 2000-09-05 7 . 0 . 3		<a href="#">get it</a>	<i>remarks - this release:</i> #28: 7.0.0	
<hr/>					
<b>TS 11.21</b>	<b>Base Station System (BSS) equipment specification; Radio aspects</b>				
R98	<i>current version:</i> 7.5.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> VACANT,		
	<i>freeze_meeting:</i> smg-29	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
	smg-28 1999-02-12 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-29 1999-06-25 7 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-30 1999-11-11 7 . 2 . 0		<a href="#">get it</a>		
	ETSI Publication 2000-05-09 7 . 2 . 1		<a href="#">get it</a>		
	GP-12 2003-01-03 7 . 3 . 0		<a href="#">get it</a>		
	GP-13 2003-02-21 7 . 4 . 0		<a href="#">get it</a>		
	GP-15 2003-07-11 7 . 5 . 0		<a href="#">get it</a>		
<hr/>					
<b>TS 11.26</b>	<b>Base Station System (BSS) equipment specification; Part 4: Repeaters</b>				
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> VACANT,		
	<i>freeze_meeting:</i> smg-29	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
	GP-09 2002-05-06 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
				<i>remarks - this release:</i> GP-09 (Usai) created to fill the Release gap.	

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<b>TS 12.03</b>	<b>Security Management</b>					
R98	<i>current version: 7.0.1</i>	<i>WG (prime / other):</i>	S5 / S1 / NP	<i>rapporteur:</i>	TRUSS, Michael	MOTOROLA Ltd
	<i>freeze_meeting: smg-29</i>	<i>G: yes U:</i>		<i>MCC:</i>	ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>					
	smg-28 1999-02-12 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 1999-08-17 7 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i>	
<hr/>						
<b>TS 12.04</b>	<b>Performance data measurements</b>					
R98	<i>current version: 7.0.0</i>	<i>WG (prime / other):</i>	S5 / S1 / NP	<i>rapporteur:</i>	TOCHE, Christian	NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting: smg-29</i>	<i>G: yes U:</i>		<i>MCC:</i>	ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>					
	smg-30 1999-11-11 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	
<hr/>						
<b>TS 12.05</b>	<b>Subscriber Related Call and Event Data</b>					
R98	<i>current version: 7.0.1</i>	<i>WG (prime / other):</i>	S5 / S1	<i>rapporteur:</i>	ALEXANDER, Benni	NOKIA Corporation
	<i>freeze_meeting: smg-29</i>	<i>G: yes U:</i>		<i>MCC:</i>	ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>					
	smg-28 1999-02-12 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 1999-08-17 7 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i>	
<hr/>						
<b>TS 12.15</b>	<b>General Packet Radio Service (GPRS); GPRS Charging</b>					
R98	<i>current version: 7.7.0</i>	<i>WG (prime / other):</i>	S5 / -	<i>rapporteur:</i>	ALEXANDER, Benni	NOKIA Corporation
	<i>freeze_meeting: smg-29</i>	<i>G: yes U:</i>		<i>MCC:</i>	ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-28 1999-02-12 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-29 1999-06-25 7 . 2 . 0			<a href="#">get it</a>		
	smg-30 1999-11-11 7 . 3 . 0			<a href="#">get it</a>		
	SP-06 7 . 4 . 0					
	SP-07 2000-03-15 7 . 5 . 0			<a href="#">get it</a>		
	SP-08 2000-06-21 7 . 6 . 0			<a href="#">get it</a>		
	SP-18 2003-01-07 7 . 7 . 0			<a href="#">get it</a>		

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ACTIVE specs R98 12 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

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<b>TS 12.21</b>	<b>Network Management (NM) procedures and messages on the A-bis interface</b>						
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i>	G1 / S5	<i>rapporteur:</i>	TRUSS, Michael	MOTOROLA Ltd	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	GP-09 2002-05-06 7 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	SP-13: S5->G3 but no change of rapporteur.		
				<i>remarks - this release:</i>	GP-09 (Usai) created to fill the Release gap.		
<hr/>							
<b>TS 12.71</b>	<b>Location Services (LCS); Location services management</b>						
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i>	S5 / -	<i>rapporteur:</i>	GARAPATY, Sonia	Nortel Networks (USA)	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>		<i>MCC:</i>	ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>						
	draft 1999-09-22 0 . 0 . 1	<a href="#">get it</a>		<i>remarks - general:</i>	TSG#11:S5 will no longer maintain.		
	draft 1999-10-18 0 . 0 . 2	<a href="#">get it</a>		<i>remarks - this release:</i>	Sept 99: 0.0.1 TSG#8:7.0.0 (2.0.1) TSG#11:S5 will no longer maintain.		
	draft 1999-12-03 0 . 0 . 3	<a href="#">get it</a>					
	draft 1999-12-22 0 . 0 . 4	<a href="#">get it</a>					
	draft 2000-01-17 0 . 0 . 5	<a href="#">get it</a>					
	draft 2000-05-22 2 . 0 . 0	<a href="#">get it</a>					
	draft 2000-05-25 2 . 0 . 1	<a href="#">get it</a>					
	SP-08 2000-06-21 7 . 0 . 0	<a href="#">get it</a>					
	ETSI Publication 2000-11-30 7 . 0 . 1	<a href="#">get it</a>					

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## R97

R97 01 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/01\\_series](http://www.3gpp.org/ftp/Specs/archive/01_series)

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<b>TS 01.01</b>	<b>Technical Specifications and Technical Reports for a GERAN-based 3GPP system</b>						
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i>	SP / -	<i>rapporteur:</i>	MEREDITH, John M	ETSI Secretariat	
	<i>freeze_meeting:</i>	<i>G: yes U:</i>		<i>MCC:</i>	POPE, Maurice		
	<i>history (event, available, version, comments):</i>						
	SP-20 2003-06-25 6 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	post-SP-19: title changed from "GSM Release 1999 Specifications" to cater for		
				<i>remarks - this release:</i>	. backwards extension to earlier releases.		

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ACTIVE specs R97 01 .- series  
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<b>TS 01.02</b>	<b>General Description of a GSM Public Land Mobile Network (PLMN)</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> S1 / GP / NP	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> smg-26					
	<i>history (event, available, version, comments):</i>	G: yes U:	MCC: CLAYTON, Michael			
	smg-27 2001-01-12 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
	edito 2001-01-16 6 . 0 . 1				<a href="#">get it</a>	<i>remarks - this release:</i>
<hr/>						
<b>TR 01.04</b>	<b>Abbreviations and acronyms</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> GP / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> smg-26					
	<i>history (event, available, version, comments):</i>	G: yes U:	MCC: USAI, Paolino			
	smg-27 2000-11-15 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
						<i>remarks - this release:</i>
<hr/>						
<b>TS 01.48</b>	<b>ISDN-based DECT/GSM interworking; Feasibility study</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> MEYER, Juergen	SIEMENS AG		
	<i>freeze_meeting:</i> smg-26					
	<i>history (event, available, version, comments):</i>	G: yes U:	MCC: CLAYTON, Michael			
	smg-27 2000-12-01 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
	edito 2001-01-16 6 . 0 . 1				<a href="#">get it</a>	<i>remarks - this release:</i>
<hr/>						
<b>TR 01.60</b>	<b>GPRS requirements</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> smg-26					
	<i>history (event, available, version, comments):</i>	G: yes U:	MCC: CLAYTON, Michael			
	smg-25 1998-03-20 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
						<i>remarks - this release:</i>
<hr/>						
<b>TS 01.61</b>	<b>General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WALKER, Michael	VODAFONE Group Plc		
	<i>freeze_meeting:</i> smg-26					
	<i>history (event, available, version, comments):</i>	G: yes U:	MCC: POPE, Maurice			
	smg-25 1998-03-20 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
	Editorial correction 1998-03-20 6 . 0 . 1				<a href="#">get it</a>	<i>remarks - this release:</i>

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R97 02 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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**TS 02.01 Principles of telecommunication services supported by a GSM Public Land Mobile Network (PLMN)**

R97 *current version:* 6.2.0 *WG (prime / other):* S1 / - *rapporteur:* KOKKOLA, Tommi NOKIA Corporation  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
smg-27 1998-10-16 6 . 0 . 0 [get it](#) *remarks - general:*  
smg-28 1999-02-12 6 . 1 . 0 [get it](#) *remarks - this release:*  
smg-29 1999-06-26 6 . 2 . 0 [get it](#)

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**TS 02.02 Bearer Services (BS) Supported by a GSM Public Land Mobile Network (PLMN)**

R97 *current version:* 6.1.1 *WG (prime / other):* S1 / - *rapporteur:* CARPENTER, Paul Research In Motion Limited  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
smg-27 1998-10-16 6 . 0 . 0 [get it](#) *remarks - general:*  
smg-28 1999-02-12 6 . 1 . 0 [get it](#) *remarks - this release:*  
Editorial correction 1999-02-12 6 . 1 . 1 [get it](#)

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**TS 02.03 Teleservices Supported by a GSM Public Land Mobile Network (PLMN)**

R97 *current version:* 6.0.0 *WG (prime / other):* S1 / - *rapporteur:* KOKKOLA, Tommi NOKIA Corporation  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
smg-27 1998-10-16 6 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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**TS 02.04 General on Supplementary Services**

R97 *current version:* 6.1.1 *WG (prime / other):* S1 / - *rapporteur:* CARPENTER, Paul Research In Motion Limited  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
smg-25 1998-03-20 6 . 0 . 0 [get it](#) *remarks - general:*  
smg-28 1999-02-12 6 . 1 . 0 [get it](#) *remarks - this release:*  
smg-29 1999-06-25 6 . 1 . 1 [get it](#)

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<b>TS 02.06</b>	<b>Types of Mobile Stations (MS)</b>					
R97	<i>current version:</i> 6.1.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> WATSON, John	VODAFONE Group Plc		
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC: CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-27 1999-10-16 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication 1999-05-26 6 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-28 1999-02-12 6 . 1 . 0	<a href="#">get it</a>				
	ETSI publication 1999-08-04 6 . 1 . 1	<a href="#">get it</a>				
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<b>TS 02.07</b>	<b>Mobile Station (MS) Features</b>					
R97	<i>current version:</i> 6.2.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> WATSON, John	VODAFONE Group Plc		
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC: CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-25 1998-03-20 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-26 1998-06-20 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-07 2000-03-17 6 . 2 . 0	<a href="#">get it</a>				
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<b>TS 02.09</b>	<b>Security aspects</b>					
R97	<i>current version:</i> 6.1.1	<i>WG (prime / other):</i> S3 / S1 / NP	<i>rapporteur:</i>	CHRISTOFFERSSON, Per	TeliaSonera AB	
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC: POPE, Maurice			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication 1999-05-26 6 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-31 2000-02-16 6 . 1 . 0	<a href="#">get it</a>				
	ETSI publication 2000-08-29 6 . 1 . 1	<a href="#">get it</a>				
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<b>TS 02.11</b>	<b>Service accessibility</b>					
R97	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> IBIDUN, Kunle	ORANGE PCS LTD		
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC: CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-26 1998-06-26 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-11 2001-04-02 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			

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<b>TS 02.16</b>	<b>International Mobile Station Equipment Identities (IMEI)</b>					
R97	<i>current version:</i> 6.2.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> KOKKOLA, Tommi	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-30 1999-11-11 6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-08 2000-06-28 6 . 2 . 0		<a href="#">get it</a>			
<hr/>						
<b>TS 02.17</b>	<b>Subscriber Identity Module (SIM); Functional characteristics</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> T3 / S1	<i>rapporteur:</i> HOOKER, Philip	ORANGE PCS LTD		
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> JURISIC, Andrijana			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i>		
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<b>TS 02.22</b>	<b>Stage 1 for personalisation of GSM ME</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> POIRAUD, Patrick	ALCATEL S.A.		
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i>		
<hr/>						
<b>TS 02.24</b>	<b>Description of Charge Advice Information (CAI)</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> DEOL, Amar	Nortel Networks (USA)		
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	Editorial correction 1998-11-16 6 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>		
<hr/>						
<b>TS 02.30</b>	<b>Man-machine Interface (MMI) of the Mobile Station (MS)</b>					
R97	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> JEAL, David	VODAFONE Group Plc		
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-25 1998-03-20 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	edito 1998-06-26 6 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-28 1999-02-12 6 . 1 . 0		<a href="#">get it</a>			

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<b>TS 02.34</b>	<b>High Speed Circuit Switched Data (HSCSD); Stage 1</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> KOKKOLA, Tommi	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC: CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>
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<b>TS 02.40</b>	<b>Procedures for Call Progress Indications</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S1 / NP	<i>rapporteur:</i> DEOL, Amar	Nortel Networks (USA)		
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC: CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>
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<b>TS 02.41</b>	<b>Operator Determined Barring</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> WATSON, John	VODAFONE Group Plc		
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC: CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>
<hr/>						
<b>TS 02.42</b>	<b>Network Identity and Timezone (NITZ); Service Description, Stage 1</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC: CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>
<hr/>						
<b>TS 02.48</b>	<b>Security mechanisms for the SIM Application Toolkit; Stage 1</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> T3 / S3	<i>rapporteur:</i> BARNES, Nigel	MOTOROLA Ltd		
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC: JURISIC, Andrijana			
	<i>history (event, available, version, comments):</i>					
	smg-25 1998-03-20 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> SMG9->T3@#31 <i>remarks - this release:</i>

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**TS 02.53 Tandem Free Operation (TFO); Service description; Stage 1**

R97 *current version:* none *WG (prime / other):* S4 / *rapporteur:* NAVARRO, William NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version, comments):*  
*remarks - general:* SMG11->S4 at SMG#30  
*remarks - this release:* No spec this Release

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**TS 02.60 General Packet Radio Service Stage 1 Description**

R97 *current version:* 6.3.1 *WG (prime / other):* S1 / - *rapporteur:* CARPENTER, Paul Research In Motion Limited  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*  
smg-25 1998-03-20 6 . 0 . 0 [get it](#) *remarks - general:*  
smg-26 1998-06-26 6 . 1 . 0 [get it](#) *remarks - this release:* #25: 6.0.0 (5.x.y withdrawn) #26: 6.1.0 #28: 6.2.0 TSG#5 6.3.0  
ETSI publication 1998-12-01 6 . 1 . 1 [get it](#)  
smg-28 1999-02-12 6 . 2 . 0 [get it](#)  
ETSI publication 1999-08-04 6 . 2 . 1 [get it](#)  
SP-05 1999-10-14 6 . 3 . 0 [get it](#)  
ETSI publication 2000-11-28 6 . 3 . 1 [get it](#)

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**TS 02.63 Packet Data on Signalling channels Service (PDS); Stage 1**

R97 *current version:* 6.0.0 *WG (prime / other):* S1 / - *rapporteur:* HECHWARTNER, Roland T-Mobile AUSTRIA GmbH  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*  
smg-27 1998-10-16 6 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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**TS 02.67 Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 1**

R97 *current version:* 6.1.1 *WG (prime / other):* S1 / - *rapporteur:* SWETINA, Joerg SIEMENS AG  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*  
smg-27 1998-10-16 6 . 0 . 0 [get it](#) *remarks - general:*  
ETSI publication 1999-09-01 6 . 0 . 1 [get it](#) *remarks - this release:*  
smg-29 1999-06-25 6 . 1 . 0 [get it](#)  
Editorial correction 1999-07-25 6 . 1 . 1 [get it](#)

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<b>TS 02.68</b>	<b>Voice Group Call Service (VGCS); Stage 1</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-06 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	publish EN 300 925 1999-09-01 6 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>		
<hr/>						
<b>TS 02.69</b>	<b>Voice Broadcast Service (VBS); Stage 1</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	Editorial correction 1998-11-16 6 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>		
<hr/>						
<b>TS 02.78</b>	<b>Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)</b>					
R97	<i>current version:</i> 6.6.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> GRECH, Michel	Lucent Technologies Network Systems UK		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-25 1998-03-20 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-26 1998-06-26 6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-28 1999-02-12 6 . 2 . 0		<a href="#">get it</a>			
	smg-29 1999-06-25 6 . 3 . 0		<a href="#">get it</a>			
	SP-05 1999-10-14 6 . 4 . 0		<a href="#">get it</a>			
	SP-10 2001-01-12 6 . 5 . 0		<a href="#">get it</a>			
	SP-14 2002-01-14 6 . 6 . 0		<a href="#">get it</a>			
	SP-14 minor 2002-01-17 6 . 6 . 1		<a href="#">get it</a>			
	correction					
<hr/>						
<b>TS 02.79</b>	<b>Support of Optimal Routeing (SOR); Service definition (Stage 1)</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release: #27: 6.0.0</i>		

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<b>TS 02.81</b>	<b>Line Identification Supplementary Services; Stage 1</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> BLOMSTRAND, Ola	TeliaSonera AB		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #27: 6.0.0
<hr/>						
<b>TS 02.82</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 1</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> IBIDUN, Kunle	ORANGE PCS LTD		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #27: 6.0.0
<hr/>						
<b>TS 02.83</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #27: 6.0.0
<hr/>						
<b>TS 02.84</b>	<b>MultiParty (MPPTY) Supplementary Services; Stage 1</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> SWETINA, Joerg	SIEMENS AG		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #27: 6.0.0
<hr/>						
<b>TS 02.85</b>	<b>Closed User Group (CUG) Supplementary Services; Stage 1</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> BLOMSTRAND, Ola	TeliaSonera AB		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #27: 6.0.0

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<b>TS 02.86</b>	<b>Advice of Charge (AoC) Supplementary Services; Stage 1</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> DEOL, Amar	Nortel Networks (USA)		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #27: 6.0.0
<hr/>						
<b>TS 02.88</b>	<b>Call Barring (CB) Supplementary Services; Stage 1</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> ACHTER, Johannes	T-Mobile AUSTRIA GmbH		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #27: 6.0.0
<hr/>						
<b>TS 02.90</b>	<b>Unstructured Supplementary Service Data (USSD); Stage 1</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> IGNATIUS, Jan	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #27: 6.0.0
<hr/>						
<b>TS 02.91</b>	<b>Explicit Call Transfer (ECT)</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> SWETINA, Joerg	SIEMENS AG		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #27: 6.0.0
<hr/>						
<b>TS 02.93</b>	<b>Completion of Calls to Busy Subscriber (CCBS) Service Description; Stage 1</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-25 1998-03-20 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
	Editorial correction 1998-04-20 6 . 0 . 1				<a href="#">get it</a>	<i>remarks - this release:</i> #25: 6.0.0 (5.x.y withdrawn) #26: 6.0.1

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**TS 02.95 Support of Private Numbering Plan (SPNP); Service description; Stage 1**

R97 *current version:* 6.0.0 *WG (prime / other):* S1 / - *rapporteur:* CLAYTON, Michael EMCOM Ltd  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
smg-27 1998-10-15 6 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #27: 6.0.0

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**TS 02.96 Name Identification Supplementary Services; Stage 1**

R97 *current version:* 6.0.1 *WG (prime / other):* S1 / - *rapporteur:* CLAYTON, Michael EMCOM Ltd  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
smg-25 1998-03-20 6 . 0 . 0 [get it](#) *remarks - general:*  
Editorial correction 1998-04-20 6 . 0 . 1 [get it](#) *remarks - this release:* #25: 6.0.0 (5.0.0 withdrawn) #27: 6.0.1

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03 .- series

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**TS 03.01 Network Functions**

R97 *current version:* 6.1.0 *WG (prime / other):* S2 / NP *rapporteur:* GAASVIK, Per-Ola COMVIQ GSM AB  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* YOON, Sang-Ui  
*history (event, available, version, comments):*  
smg-27 1998-10-16 6 . 0 . 0 [get it](#) *remarks - general:* SMG3->SA2 @ TSG#7  
smg-28 1999-02-12 6 . 1 . 0 [get it](#) *remarks - this release:* #27: 6.0.0 #28: 6.1.0

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**TS 03.02 Network Architecture**

R97 *current version:* 6.1.0 *WG (prime / other):* S2 / NP / T2 *rapporteur:* MILINSKI, AlexanderSIEMENS AG  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* YOON, Sang-Ui  
*history (event, available, version, comments):*  
smg-25 1998-03-20 6 . 0 . 0 [get it](#) *remarks - general:*  
smg-26 1998-06-26 6 . 1 . 0 [get it](#) *remarks - this release:* #25: 6.0.0 #26: 6.1.0

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<b>TS 03.03</b>	<b>Numbering, Addressing and Identification</b>						
R97	<i>current version:</i> 6.8.0		<i>WG (prime / other):</i> N4 / T2	<i>rapporteur:</i> RUSSELL, Nick		VODAFONE LTD	
	<i>freeze_meeting:</i> smg-26		<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>						
	smg-25 1998-03-20 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-26 1998-06-26 6 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-28 1999-02-12 6 . 2 . 0			<a href="#">get it</a>			
	smg-29 1999-06-25 6 . 3 . 0			<a href="#">get it</a>			
	NP-05 1999-10-14 6 . 4 . 0			<a href="#">get it</a>			
	NP-07 2000-03-17 6 . 5 . 0			<a href="#">get it</a>			
	NP-08 2000-06-28 6 . 6 . 0			<a href="#">get it</a>			
	NP-16 2002-06-26 6 . 7 . 0	SA did not approve companion CRs to 02.16.		<a href="#">get it</a>			
	NP-21 2003-10-09 6 . 8 . 0			<a href="#">get it</a>			
<hr/>							
<b>TR 03.05</b>	<b>Technical performance objectives</b>						
R97	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> NP / -	<i>rapporteur:</i> BOSWARTHICK, David		ETSI Secretariat	
	<i>freeze_meeting:</i> smg-26		<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version, comments):</i>						
	smg-27 1998-10-16 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
					<i>remarks - this release: #27: 6.0.0</i>		
<hr/>							
<b>TS 03.07</b>	<b>Restoration Procedures</b>						
R97	<i>current version:</i> 6.2.0		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David		VODAFONE LTD	
	<i>freeze_meeting:</i> smg-26		<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>						
	smg-25 1998-03-20 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-26 1998-06-26 6 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-29 1999-06-25 6 . 2 . 0			<a href="#">get it</a>			

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<b>TS 03.08</b>	<b>Organization of Subscriber Data</b>					
R97	<i>current version:</i> 6.6.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> BAUER, Rolf	ALCATEL SEL AG		
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC: KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-25 1998-03-20 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-26 1998-06-26 6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-27 1998-10-16 6 . 2 . 0		<a href="#">get it</a>			
	smg-28 1999-02-12 6 . 3 . 0		<a href="#">get it</a>			
	NP-07 2000-03-15 6 . 4 . 0		<a href="#">get it</a>			
	NP-09 2000-10-31 6 . 5 . 0		<a href="#">get it</a>			
	NP-20 2003-06-27 6 . 6 . 0		<a href="#">get it</a>			

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<b>TS 03.09</b>	<b>Handover Procedures</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> FARHOUMAND, Rouzbeh	Ericsson Incorporated		
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC: JORGENSEN, Per Johan			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i> #27: 6.0.0		

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<b>TS 03.10</b>	<b>GSM Public Land Mobile Network (PLMN) Connection Types</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat		
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC: BOSWARTHICK, David			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-18 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i>		

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<b>TS 03.11</b>	<b>Technical Realization of Supplementary Services - General Aspects</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> HABERMANN, Steffen	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC: KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	Editorial correction 1998-11-16 6 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> #27: 6.0.0		

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<b>TS 03.12</b>	<b>Location Registration Procedures</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #27: 6.0.0
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<b>TS 03.13</b>	<b>Discontinuous Reception (DRX) in the GSM System</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #27: 6.0.0
<hr/>						
<b>TS 03.14</b>	<b>Support of Dual Tone Multi-Frequency Signalling (DTMF) via the GSM System</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> ZAUS, Robert	SIEMENS AG		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #27: 6.0.0
<hr/>						
<b>TS 03.15</b>	<b>Technical Realization of Operator Determined Barring</b>					
R97	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David	VODAFONE LTD		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	Chalmers			
	<i>history (event, available, version, comments):</i>		<i>MCC:</i> KYMALAINEN, Kimmo			
	smg-26 1998-06-26 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
	smg-29 1999-06-25 6 . 1 . 0				<a href="#">get it</a>	<i>remarks - this release:</i> #26: 6.0.0 SMG#29: 6.1.0

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## TS 03.16 Subscriber Data Management

R97 *current version:* 6.5.0

*freeze\_meeting:* smg-26

*history (event, available, version, comments):*

smg-25	1998-03-20	6	.	0	.	0
smg-26	1998-06-26	6	.	1	.	0
smg-27	1998-10-16	6	.	2	.	0
smg-28	1999-02-12	6	.	3	.	0
smg-29	1999-06-25	6	.	4	.	0
NP-09	2000-10-13	6	.	5	.	0

*WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*G: yes U:* *MCC:* KYMALAINEN, Kimmo

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #25: 6.0.0 #26: 6.1.0 #27: 6.2.0 #28: 6.3.0 SMG#29: 6.4.0 TSG#9:6.5.0  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 03.18 Basic Call Handling

R97 *current version:* 6.8.0

*freeze\_meeting:* smg-26

*history (event, available, version, comments):*

smg-25	1998-03-20	6	.	0	.	0
smg-26	1998-06-26	6	.	1	.	0
smg-27	1998-10-16	6	.	2	.	0
smg-28	1999-02-12	6	.	3	.	0
smg-29	1999-06-25	6	.	4	.	0
NP-05	1999-10-13	6	.	5	.	0
NP-07	2000-03-17	6	.	6	.	0
NP-09	2000-10-04	6	.	7	.	0
NP-22	2004-01-12	6	.	8	.	0

*WG (prime / other):* N4 / - *rapporteur:* PARK, Ian David VODAFONE LTD  
*G: yes U:* *MCC:* KYMALAINEN, Kimmo

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 03.20 Security-related Network Functions

R97 *current version:* 6.1.0

*freeze\_meeting:* smg-26

*history (event, available, version, comments):*

smg-25	1998-03-20	6	.	0	.	0
smg-29	1999-06-25	6	.	1	.	0

*WG (prime / other):* S3 / NP / GP *rapporteur:* NGUYEN NGOC, Sebastien France Telecom  
*G: yes U:* *MCC:* POPE, Maurice

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #32:6.2.0 - evidently not!

G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 03.22</b>	<b>Functions related to Mobile Station (MS) in idle mode and group receive mode</b>						
R97	<i>current version:</i> 6.3.0	<i>WG (prime / other):</i>	G1 / N1	<i>rapporteur:</i>	ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-26				Skov		
		<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	smg-26 1998-06-26			<a href="#">get it</a>	<i>remarks - general:</i>	Moved from SMG3 Jan 2000. Moved from G2 Mar 2001. 2001-07: title grows "and	
	smg-28 1999-02-12			<a href="#">get it</a>	<i>remarks - this release:</i>	group receive mode".	
	smg-29 1999-06-26			<a href="#">get it</a>			
	SP-11 2001-04-11			<a href="#">get it</a>			

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<b>TR 03.26</b>	<b>Multiband operation of GSM/DCS 1800 by a single operator</b>						
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i>	G1 / NP	<i>rapporteur:</i>	ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-26				Skov		
		<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	smg-27 1998-10-16			<a href="#">get it</a>	<i>remarks - general:</i>		
					<i>remarks - this release:</i>		

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<b>TR 03.30</b>	<b>Radio Network Planning Aspects</b>						
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i>	GP / -	<i>rapporteur:</i>	TEGTH, Ulf	TeliaSonera AB	
	<i>freeze_meeting:</i> smg-26				USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	smg-26 1998-06-26			<a href="#">get it</a>	<i>remarks - general:</i>		
	Editorial update 1998-07-26			<a href="#">get it</a>	<i>remarks - this release:</i>	#26: 6.0.0	

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<b>TS 03.32</b>	<b>Universal Geographical Area Description (GAD)</b>						
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i>	S2 / -	<i>rapporteur:</i>	SULTAN, Alain	SOURCE COM	
	<i>freeze_meeting:</i> smg-26				YOON, Sang-Ui		
	<i>history (event, available, version, comments):</i>						
	smg-27 1998-10-16			<a href="#">get it</a>	<i>remarks - general:</i>		
					<i>remarks - this release:</i>		

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<b>TS 03.34</b>	<b>High Speed Circuit Switched Data (HSCSD); Stage 2</b>						
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i>	N1 / -	<i>rapporteur:</i>	KOKKOLA, Tommi	NOKIA Corporation	
	<i>freeze_meeting:</i> smg-26				JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>						
	smg-27 1998-10-16			<a href="#">get it</a>	<i>remarks - general:</i>		
					<i>remarks - this release:</i>	#27: 6.0.0	

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<b>TS 03.38</b>	<b>Alphabets and language-specific information</b>				
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Research In Motion Limited	
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i>	RODERMUND, Friedhelm	
	<i>history (event, available, version, comments):</i>				
	smg-25 1998-03-20 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	Editorial correction 1998-04-20 6 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> #25: 6.0.0	
<hr/>					
<b>TS 03.40</b>	<b>Technical realization of the Short Message Service (SMS)</b>				
R97	<i>current version:</i> 6.2.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Research In Motion Limited	
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i>	RODERMUND, Friedhelm	
	<i>history (event, available, version, comments):</i>				
	smg-25 1998-03-20 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> 2003-12-03: Note that this spec also contains stage 3.	
	smg-26 1998-06-26 6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	TP-14 2002-01-11 6 . 2 . 0		<a href="#">get it</a>		
<hr/>					
<b>TS 03.41</b>	<b>Technical Realization of Short Message Service Cell Broadcast (SMSCB)</b>				
R97	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Research In Motion Limited	
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i>	RODERMUND, Friedhelm	
	<i>history (event, available, version, comments):</i>				
	smg-25 1998-03-20 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-26 1998-06-26 6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
<hr/>					
<b>TS 03.42</b>	<b>SMS Compression</b>				
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Research In Motion Limited	
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i>	RODERMUND, Friedhelm	
	<i>history (event, available, version, comments):</i>				
	smg-27 1998-10-16 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
				<i>remarks - this release:</i>	
<hr/>					
<b>TR 03.43</b>	<b>Support of Videotex</b>				
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> RODERMUND, Friedhelm	Vodafone D2 GmbH	
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i>	RODERMUND, Friedhelm	
	<i>history (event, available, version, comments):</i>				
	smg-27 1998-10-16 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
				<i>remarks - this release:</i> #27: 6.0.0	

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<b>TR 03.44</b>	<b>Support of Teletex in a GSM Public Land Mobile Network (PLMN)</b>								
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i>	T2 / -	<i>rapporteur:</i>	RODERMUND, Friedhelm	Vodafone D2 GmbH			
	<i>freeze_meeting:</i> smg-26								
	<i>history (event, available, version, comments):</i>	G: yes	U:	<i>MCC:</i>	RODERMUND, Friedhelm				
	smg-27 1998-10-16 6 . 0 . 0						<a href="#">get it</a>	<i>remarks - general:</i>	
								<i>remarks - this release:</i>	
<hr/>									
<b>TS 03.45</b>	<b>Technical Realization of Facsimile Group 3 Service - transparent</b>								
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i>	N3 / -	<i>rapporteur:</i>	BOSWARTHICK, David	ETSI Secretariat			
	<i>freeze_meeting:</i> smg-26	G: yes	U:	<i>MCC:</i>	BOSWARTHICK, David				
	<i>history (event, available, version, comments):</i>								
	smg-27 1998-10-16 6 . 0 . 0						<a href="#">get it</a>	<i>remarks - general:</i>	
	Editorial correction 1998-10-16 6 . 0 . 1						<a href="#">get it</a>	<i>remarks - this release:</i>	
<hr/>									
<b>TS 03.46</b>	<b>Technical Realization of Facsimile Group 3 Service - non transparent</b>								
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i>	N3 / -	<i>rapporteur:</i>	BOSWARTHICK, David	ETSI Secretariat			
	<i>freeze_meeting:</i> smg-26	G: yes	U:	<i>MCC:</i>	BOSWARTHICK, David				
	<i>history (event, available, version, comments):</i>								
	smg-27 1998-10-16 6 . 0 . 0						<a href="#">get it</a>	<i>remarks - general:</i>	
								<i>remarks - this release:</i>	
<hr/>									
<b>TR 03.47</b>	<b>Example Protocol Stacks for Interconnecting Service Centre(s) (SC) and Mobile Services Switching Centre(s) (MSC)</b>								
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i>	T2 / -	<i>rapporteur:</i>	RODERMUND, Friedhelm	Vodafone D2 GmbH			
	<i>freeze_meeting:</i> smg-26								
	<i>history (event, available, version, comments):</i>	G: yes	U:	<i>MCC:</i>	RODERMUND, Friedhelm				
	smg-27 1998-10-16 6 . 0 . 0						<a href="#">get it</a>	<i>remarks - general:</i>	
								<i>remarks - this release:</i>	
<hr/>									
<b>TS 03.48</b>	<b>Security mechanisms for SIM application toolkit; Stage 2</b>								
R97	<i>current version:</i> 6.2.0	<i>WG (prime / other):</i>	T3 / -	<i>rapporteur:</i>	BARNES, Nigel	MOTOROLA Ltd			
	<i>freeze_meeting:</i> smg-26	G: yes	U:	<i>MCC:</i>	JURISIC, Andrijana				
	<i>history (event, available, version, comments):</i>								
	smg-25 1998-03-20 6 . 0 . 0						<a href="#">get it</a>	<i>remarks - general:</i>	SMG9->T3@#31
	smg-26 1998-06-26 6 . 1 . 0						<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-28 1999-02-12 6 . 2 . 0						<a href="#">get it</a>		

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<b>TR 03.49</b>	<b>Example protocol stacks for interconnecting Cell Broadcast Centre (CBC) and Base Station Controller (BSC)</b>				
R97	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> RODERMUND, Friedhelm	Vodafone D2 GmbH	
	<i>freeze_meeting:</i> smg-26				
	<i>history (event, available, version, comments):</i>	G: yes U:	MCC:	RODERMUND, Friedhelm	
	smg-25 1998-03-20 6 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	
	smg-26 1998-06-26 6 . 1 . 0	<a href="#">get it</a>		<i>remarks - this release:</i>	
<hr/>					
<b>TS 03.50</b>	<b>Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System</b>				
R97	<i>current version:</i> 6.2.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC:	USAI, Paolino	
	<i>history (event, available, version, comments):</i>				
	smg-27 1998-10-16 6 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	
	smg-28 1999-02-12 6 . 1 . 0	<a href="#">get it</a>		<i>remarks - this release:</i> #27: 6.0.0 #28: 6.1.0 #32:6.2.0	
	ETSI publication 1999-07-21 6 . 1 . 1	<a href="#">get it</a>			
	smg-32 2000-06-20 6 . 2 . 0	<a href="#">get it</a>			
	ETSI publication 2000-11-30 6 . 2 . 1	<a href="#">get it</a>			
<hr/>					
<b>TS 03.54</b>	<b>Description for the use of a Shared Inter Working Function (SIWF) in a GSM PLMN; Stage 2</b>				
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat	
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC:	BOSWARTHICK, David	
	<i>history (event, available, version, comments):</i>				
	smg-27 1998-10-16 6 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	
				<i>remarks - this release:</i> #27: 6.0.0	
<hr/>					
<b>TR 03.58</b>	<b>Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)</b>				
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> MONFORT, Jean-Yves	France Telecom	
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC:	USAI, Paolino	
	<i>history (event, available, version, comments):</i>				
	smg-25 1998-03-20 6 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	
	Editorial correction 1998-04-20 6 . 0 . 1	<a href="#">get it</a>		<i>remarks - this release:</i> #23: 5.0.0 #25: 6.0.0 (5.0.0 withdrawn)	

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## TS 03.60 General Packet Radio Service (GPRS); Service description; Stage 2

R97 *current version:* 6.11.0 *WG (prime / other):* S2 / - *rapporteur:* KUCHIBHOTLA, Ravi MOTOROLA Ltd  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

smg-25	1998-03-20	6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-26	1998-06-26	6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
edito	1998-07-28	6 . 1 . 1	<a href="#">get it</a>	
smg-27	1998-10-16	6 . 2 . 0	<a href="#">get it</a>	
smg-28	1999-02-12	6 . 3 . 0	<a href="#">get it</a>	
ETSI Vote	1999-04-13	6 . 3 . 1	<a href="#">get it</a>	
ETSI publication	1999-07-21	6 . 3 . 2	<a href="#">get it</a>	
smg-29	1999-06-25	6 . 4 . 0	<a href="#">get it</a>	
ETSI publication	1999-12-29	6 . 4 . 1	<a href="#">get it</a>	
SP-05	1999-10-13	6 . 5 . 0	<a href="#">get it</a>	
SP-06	1999-12-17	6 . 6 . 0	<a href="#">get it</a>	
ETSI publication	2000-07-07	6 . 6 . 1	<a href="#">get it</a>	
SP-07	2000-03-17	6 . 7 . 0	<a href="#">get it</a>	
ETSI publication	2000-09-22	6 . 7 . 1	<a href="#">get it</a>	
SP-11	2001-04-19	6 . 8 . 0	<a href="#">get it</a>	
SP-12	2001-08-16	6 . 9 . 0	<a href="#">get it</a>	
SP-14	2002-01-08	6 . 10 . 0	<a href="#">get it</a>	
edito	2002-07-29	6 . 10 . 1	<a href="#">get it</a>	
SP-17	2002-10-02	6 . 11 . 0	<a href="#">get it</a>	

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## TS 03.63 Packet Data on Signalling channels service (PDS) Service description, Stage 2

R97 *current version:* 6.0.0 *WG (prime / other):* N1 / - *rapporteur:* JACOBSON, Dieter T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*

smg-27	1998-10-16	6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>
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<b>TS 03.64</b>	<b>General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2</b>					
R97	<i>current version:</i> 6.4.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> LEPPISAARI, Arto	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-25 1998-03-20 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-26 1998-06-26 6 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-27 1998-10-16 6 . 1 . 0	<a href="#">get it</a>				
	ETSI OAP 2000-05-27 6 . 1 . 1	<a href="#">get it</a>				
	smg-28 1999-02-12 6 . 2 . 0	<a href="#">get it</a>				
	smg-29 1999-06-25 6 . 3 . 0	<a href="#">get it</a>				
	smg-30 1999-11-11 6 . 4 . 0	<a href="#">get it</a>				

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<b>TS 03.67</b>	<b>Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2</b>					
R97	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> SCHMITT, Peter	SIEMENS AG		
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-07 2000-03-17 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			

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<b>TS 03.68</b>	<b>Voice Group Call Service (VGCS); Stage 2</b>					
R97	<i>current version:</i> 6.4.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)		
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version, comments):</i>					
	smg-25 1998-03-20 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-26 1998-06-26 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg post SP-07 1998-10-30 6 . 2 . 0	<a href="#">get it</a>				
	NP-09 2000-10-12 6 . 3 . 0	<a href="#">get it</a>				
	NP-21 2003-10-10 6 . 4 . 0	<a href="#">get it</a>				

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<b>TS 03.69</b>	<b>Voice Broadcast service (VBS); Stage 2</b>					
R97	<i>current version:</i> 6.4.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> MÜNNING, Dirk	DETECON GMBH		
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version, comments):</i>					
	smg-25 1998-03-20 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-26 1998-06-26 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #25: 6.0.0 #26: 6.1.0 TSG#7: 6.2.0 TSG#9:6.3.0			
	smg post SP-07 2000-03-30 6 . 2 . 0	<a href="#">get it</a>				
	NP-09 2000-10-12 6 . 3 . 0	<a href="#">get it</a>				
	NP-21 2003-10-13 6 . 4 . 0	<a href="#">get it</a>				

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## TS 03.70 Routing of Calls to/from Public Data Networks (PDN)

R97 *current version:* 6.0.0 *WG (prime / other):* N3 / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* BOSWARTHICK, David  
*history (event, available, version, comments):*  
smg-27 1998-10-16 6 . 0 . 0 [get it](#) *remarks - general:* N3: "no R99 needed".  
*remarks - this release:* #27: 6.0.0

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## TS 03.78 customized Applications for Mobile network Enhanced Logic (CAMEL) Phase 2; Stage 2

R97 *current version:* 6.11.1 *WG (prime / other):* N2 / - *rapporteur:* LANTELME, Isabelle ALCATEL S.A.  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* JURISIC, Andrijana  
*history (event, available, version, comments):*  
smg-25 1998-03-20 6 . 0 . 0 [get it](#) *remarks - general:*  
smg-26 1998-06-26 6 . 1 . 0 [get it](#) *remarks - this release:*  
ETSI publication 1998-08-27 6 . 1 . 1 [get it](#)  
smg-27 1998-10-16 6 . 2 . 0 [get it](#)  
smg-28 1999-02-12 6 . 3 . 0 [get it](#)  
smg-29 1999-06-25 6 . 4 . 0 [get it](#)  
NP-05 1999-10-13 6 . 5 . 0 [get it](#)  
NP-07 2000-03-17 6 . 6 . 0 [get it](#)  
NP-08 2000-06-23 6 . 7 . 0 [get it](#)  
NP-10 2001-01-04 6 . 8 . 0 [get it](#)  
NP-12 2001-06-29 6 . 9 . 0 [get it](#)  
edito 2001-07-02 6 . 9 . 1 [get it](#)  
NP-14 2002-01-04 6 . 10 . 0 [get it](#)  
NP-16 2002-06-17 6 . 11 . 0 [get it](#)  
Editorial correction 2002-08-21 6 . 11 . 1 [get it](#)  
to SDLs

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## TS 03.79 Support of Optimal Routeing phase 1; Stage 2

R97 *current version:* 6.3.0 *WG (prime / other):* N4 / - *rapporteur:* PARK, Ian David VODAFONE LTD  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
smg-27 1998-10-16 6 . 0 . 0 [get it](#) *remarks - general:*  
smg-29 1999-06-25 6 . 1 . 0 [get it](#) *remarks - this release:* #27: 6.0.0 #29: 6.1.0 TSG#5: 6.2.0 TSG#7: 6.3.0  
NP-05 1999-10-13 6 . 2 . 0 [get it](#)  
NP-07 2000-03-17 6 . 3 . 0 [get it](#)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs R97 03 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

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<b>TS 03.81</b>	<b>Line Identification Supplementary Services; Stage 2</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #27: 6.0.0
<hr/>						
<b>TS 03.82</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 2</b>					
R97	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
	smg-29 1999-06-25 6 . 1 . 0				<a href="#">get it</a>	<i>remarks - this release:</i> #27: 6.0.0 #29: 6.1.0
<hr/>						
<b>TS 03.83</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 2</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> SHARP, Iain	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #27: 6.0.0
<hr/>						
<b>TS 03.84</b>	<b>Multi Party (PTY) Supplementary Services; Stage 2</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> HABERMANN, Steffen	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #27: 6.0.0
<hr/>						
<b>TS 03.85</b>	<b>Closed user Group (CUG) Supplementary Services; Stage 2</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>

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<b>TS 03.86</b>	<b>Advice of Charge (AoC) Supplementary Services; Stage 2</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
	Editorial correction 1998-11-16 6 . 0 . 1				<a href="#">get it</a>	<i>remarks - this release:</i> #27: 6.0.0
<hr/>						
<b>TS 03.88</b>	<b>Call Barring (CB) supplementary services; Stage 2</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
						<i>remarks - this release:</i> #27: 6.0.0
<hr/>						
<b>TS 03.90</b>	<b>Unstructured Supplementary Service Data (USSD)</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> CHOTAI, Sunil	mm02 plc		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
						<i>remarks - this release:</i> #27: 6.0.0
<hr/>						
<b>TS 03.91</b>	<b>Explicit Call Transfer (ECT) Supplementary Service; Stage 2</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
						<i>remarks - this release:</i> #27: 6.0.0
<hr/>						
<b>TS 03.93</b>	<b>Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2</b>					
R97	<i>current version:</i> 6.2.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-25 1998-03-20 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
	smg-26 1998-06-26 6 . 1 . 0				<a href="#">get it</a>	<i>remarks - this release:</i> #25: 6.0.0 #26: 6.1.0 #27: 6.2.0
	smg-27 1998-10-16 6 . 2 . 0				<a href="#">get it</a>	

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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**TS 03.96 Name Identification Supplementary Services; Stage 2**

R97 *current version:* 6.0.1 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
smg-25 1998-03-20 6 . 0 . 0 [get it](#) *remarks - general:*  
Editorial correction 1998-04-20 6 . 0 . 1 [get it](#) *remarks - this release:* #24: 5.0.0 #25: 6.0.0 (5.0.0 withdrawn)

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R97 04 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

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**TS 04.01 Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles**

R97 *current version:* 6.0.0 *WG (prime / other):* N1 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
smg-27 1998-10-16 6 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #27: 6.0.0

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**TS 04.02 GSM Public Land Mobile Network (PLMN) Access Reference Configuration**

R97 *current version:* 6.0.0 *WG (prime / other):* N1 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
smg-27 1998-10-16 6 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #27: 6.0.0

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**TS 04.03 Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities**

R97 *current version:* 6.0.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
smg-25 1998-03-20 6 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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ACTIVE specs R97 04 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

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## TS 04.04 Layer 1 - General Requirements

R97 *current version:* 6.0.0  
*freeze\_meeting:* smg-26  
*history (event, available, version, comments):*  
smg-25 1998-03-20 6 . 0 . 0

*WG (prime / other):* G2 / - *rapporteur:* ISAACS, Ken SIEMENS AG  
*G: yes U:* *MCC:* THOMASEN, Gert

[get it](#) *remarks - general:*  
*remarks - this release:*

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## TS 04.05 Data Link (DL) Layer General Aspects

R97 *current version:* 6.0.1  
*freeze\_meeting:* smg-26  
*history (event, available, version, comments):*  
smg-27 1998-10-16 6 . 0 . 0  
Editorial correction 1998-11-16 6 . 0 . 1

*WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
Skov  
*G: yes U:* *MCC:* THOMASEN, Gert

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*

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## TS 04.06 Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification

R97 *current version:* 6.2.1  
*freeze\_meeting:* smg-26  
*history (event, available, version, comments):*  
smg-27 1998-10-16 6 . 0 . 0  
ETSI publication 1999-09-01 6 . 0 . 1  
smg-29 1999-06-25 6 . 1 . 0  
ETSI publication 1999-12-14 6 . 1 . 1  
smg-31 2000-02-16 6 . 2 . 0  
ETSI publication 2000-09-29 6 . 2 . 1

*WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
Skov  
*G: yes U:* *MCC:* THOMASEN, Gert

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 04.07 Mobile Radio Interface Signalling Layer 3 - General Aspects

R97 *current version:* 6.5.1  
*freeze\_meeting:* smg-26  
*history (event, available, version, comments):*

smg-25	1998-03-20	6	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-26	1998-06-26	6	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
smg-27	1998-10-16	6	.	2	.	0	<a href="#">get it</a>
ETSI publication	1998-12-04	6	.	2	.	1	<a href="#">get it</a>
smg-28	1999-02-12	6	.	3	.	0	<a href="#">get it</a>
smg-29	1999-06-25	6	.	4	.	0	<a href="#">get it</a>
NP-05	1999-10-13	6	.	5	.	0	<a href="#">get it</a>
Editorial correction	1999-11-13	6	.	5	.	1	<a href="#">get it</a>

WG (prime / other): N1 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
G: yes U: *MCC:* JORGENSEN, Per Johan

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ACTIVE specs R97 04 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

## TS 04.08 Mobile radio interface layer 3 specification

R97 current version: 6.21.1

freeze\_meeting: smg-26

WG (prime / other): N1 / G2 rapporteur: HOWELL, Andrew MOTOROLA Ltd

G: yes U: MCC: JORGENSEN, Per Johan

history (event, available, version, comments):

smg-25		6 . 0 . 0	
smg-26	1998-06-26	6 . 1 . 0	<a href="#">get it</a>
edito	1998-09-08	6 . 1 . 1	<a href="#">get it</a>
smg-27	1998-10-16	6 . 2 . 0	<a href="#">get it</a>
ETSI publication	1999-04-13	6 . 2 . 1	<a href="#">get it</a>
smg-28	1999-02-12	6 . 3 . 0	<a href="#">get it</a>
ETSI publication	1999-08-25	6 . 3 . 1	<a href="#">get it</a>
smg-29	1999-06-25	6 . 4 . 0	<a href="#">get it</a>
edito	1999-07-23	6 . 4 . 1	<a href="#">get it</a>
ETSI OAP	1999-08-11	6 . 4 . 2	<a href="#">get it</a>
ETSI publication	1999-12-29	6 . 4 . 3	<a href="#">get it</a>
NP-05	1999-10-08	6 . 5 . 0	<a href="#">get it</a>
smg-30b	1999-12-06	6 . 6 . 0	<a href="#">get it</a>
NP-06	1999-12-15	6 . 7 . 0	<a href="#">get it</a>
ETSI publication	2000-07-05	6 . 7 . 1	<a href="#">get it</a>
smg-31	2000-02-16	6 . 8 . 0	<a href="#">get it</a>
NP-07	2000-03-15	6 . 9 . 0	<a href="#">get it</a>
ETSI publication	2000-09-29	6 . 9 . 1	<a href="#">get it</a>
smg-31b	2000-04-17	6 . 10 . 0	<a href="#">get it</a>
smg-32	2000-06-21	6 . 11 . 0	<a href="#">get it</a>
GP-01/NP-09	2000-10-12	6 . 12 . 0	<a href="#">get it</a>
edito	2000-11-02	6 . 12 . 1	<a href="#">get it</a>
NP-10	2001-01-02	6 . 13 . 0	<a href="#">get it</a>
GP-04 / NP-11	2001-04-11	6 . 14 . 0	<a href="#">get it</a>
NP-12	2001-07-05	6 . 15 . 0	<a href="#">get it</a>
GP-07	2002-01-04	6 . 16 . 0	<a href="#">get it</a>
NP-14	2002-01-07	6 . 17 . 0	<a href="#">get it</a>
GP-08	2002-02-19	6 . 18 . 0	<a href="#">get it</a>
NP-17	2002-09-17	6 . 19 . 0	<a href="#">get it</a>
NP-18	2002-12-18	6 . 20 . 0	<a href="#">get it</a>
GP-15	2003-07-10	6 . 21 . 0	<a href="#">get it</a>
edito	2003-09-12	6 . 21 . 1	<a href="#">get it</a>

remarks - general: 04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert Thomasen  
remarks - this release: (even numbered CRs!)

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## TS 04.10 Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects

R97 *current version:* 6.0.1 *WG (prime / other):* N4 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-26 G: yes U: *MCC:* Skov  
KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
smg-25 1998-03-20 6 . 0 . 0 [get it](#) *remarks - general:*  
Editorial correction 1998-04-20 6 . 0 . 1 [get it](#) *remarks - this release:*

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## TS 04.11 Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface

R97 *current version:* 6.1.0 *WG (prime / other):* N1 / - *rapporteur:* NOBUYUKI, Uda NTT COMWARE Corporation  
*freeze\_meeting:* smg-26 G: yes U: *MCC:* JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
smg-25 1998-03-20 6 . 0 . 0 [get it](#) *remarks - general:*  
Editorial correction 1998-04-20 6 . 0 . 1 [get it](#) *remarks - this release:*  
NP-09 2000-10-12 6 . 1 . 0 [get it](#)

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## TS 04.12 Short Message Service Cell Broadcast (SMS-CB) Support on the Mobile Radio Interface

R97 *current version:* 6.0.1 *WG (prime / other):* G2 / T2 *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-26 G: yes U: *MCC:* Skov  
THOMASEN, Gert  
*history (event, available, version, comments):*  
smg-27 1998-10-16 6 . 0 . 0 [get it](#) *remarks - general:*  
Editorial correction 1998-11-16 6 . 0 . 1 [get it](#) *remarks - this release:* #27: 6.0.0

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## TS 04.13 Performance Requirements on Mobile Radio Interface

R97 *current version:* 6.0.1 *WG (prime / other):* N1 / - *rapporteur:* DAWES, Peter VODAFONE LTD  
*freeze\_meeting:* smg-26 G: yes U: *MCC:* JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
smg-27 1998-10-16 6 . 0 . 0 [get it](#) *remarks - general:*  
Editorial correction 1998-10-16 6 . 0 . 1 [get it](#) *remarks - this release:* #27: 6.0.0

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 04.14</b>	<b>Individual equipment type requirements and interworking; Special conformance testing functions</b>								
R97	<i>current version:</i> 6.3.1		<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> HOWELL, Andrew		MOTOROLA Ltd			
	<i>freeze_meeting:</i> smg-26		<i>G: yes U:</i>	<i>MCC:</i> THOMASEN, Gert					
	<i>history (event, available, version, comments):</i>								
	smg-27 1998-10-16 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-30 1999-11-11 6 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>				
	smg-32 2000-06-28 6 . 2 . 0			<a href="#">get it</a>					
	GP-10 2002-07-19 6 . 3 . 0			<a href="#">get it</a>					
	post GP-10 edito 2002-07-23 6 . 3 . 1	Misplaced figure, clause 5.3.1.		<a href="#">get it</a>					

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<b>TS 04.21</b>	<b>Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface</b>								
R97	<i>current version:</i> 6.1.0		<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> RÄSÄNEN, Juha		NOKIA Corporation			
	<i>freeze_meeting:</i> smg-26		<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David					
	<i>history (event, available, version, comments):</i>								
	smg-27 1998-10-16 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	NP-08 2000-06-23 6 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0 TSG#8:6.1.0</i>				

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<b>TS 04.22</b>	<b>Radio Link Protocol (RLP) for data and telematic services on the Mobile Station - Base Station System (MS - BSS) interface and the Base Station System - Mobile-services</b>								
R97	<i>current version:</i> <b>Switching Centre (BSS - MSC) interface</b>	6.2.0	<i>WG (prime / other):</i> N3		/-	<i>rapporteur:</i> KLEHN, Norbert			
SIEMENS AG									
	<i>freeze_meeting:</i> smg-26		<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David					
	<i>history (event, available, version, comments):</i>								
	smg-26 1998-06-26 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-27 1998-10-16 6 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>				
	NP-06 1999-12-17 6 . 2 . 0			<a href="#">get it</a>					

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**TS 04.60 General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol**

R97 *current version:* 6.14.0 *WG (prime / other):* G2 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd

*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*

draft	1997-12-20	0	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
draft	1998-03-20	1	.	0	.	0		<a href="#">get it</a>	<i>remarks - this release:</i>
draft	1998-03-20	2	.	0	.	0		<a href="#">get it</a>	
smg-25	1998-03-20	6	.	0	.	0		<a href="#">get it</a>	
smg-26	1998-06-26	6	.	1	.	0		<a href="#">get it</a>	
smg-27	1998-10-16	6	.	2	.	0		<a href="#">get it</a>	
smg-28	1999-02-12	6	.	3	.	0		<a href="#">get it</a>	
ETSI publication	1999-06-14	6	.	3	.	1		<a href="#">get it</a>	
smg-29	1999-06-25	6	.	4	.	0		<a href="#">get it</a>	
ETSI publication	1999-12-16	6	.	4	.	1		<a href="#">get it</a>	
smg-30	1999-11-11	6	.	5	.	0		<a href="#">get it</a>	
smg-30b	1999-12-06	6	.	6	.	0		<a href="#">get it</a>	
ETSI publication	2000-07-05	6	.	6	.	1		<a href="#">get it</a>	
smg-31	2000-02-16	6	.	7	.	0		<a href="#">get it</a>	
ETSI publication	2000-09-29	6	.	7	.	1		<a href="#">get it</a>	
smg-31b	2000-04-17	6	.	8	.	0		<a href="#">get it</a>	
ETSI publication	2000-10-17	6	.	8	.	1		<a href="#">get it</a>	
smg-32	2000-06-20	6	.	9	.	0		<a href="#">get it</a>	
GP-01	2000-10-11	6	.	10	.	0		<a href="#">get it</a>	
GP-02	2000-11-27	6	.	11	.	0		<a href="#">get it</a>	
GP-03	2001-01-31	6	.	12	.	0		<a href="#">get it</a>	
GP-04	2001-05-04	6	.	13	.	0		<a href="#">get it</a>	
GP-10	2002-07-19	6	.	14	.	0		<a href="#">get it</a>	

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**TS 04.63 Packet Data on Signalling channels Service (PDS) Service Description, Stage 3**

R97 *current version:* 6.0.0 *WG (prime / other):* N1 / - *rapporteur:* JACOBSON, Dieter T-MOBILE DEUTSCHLAND

*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*

smg-27	1998-10-16	6	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
									<i>remarks - this release:</i>

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<b>TS 04.64</b>	<b>General Packet Radio Service (GPRS); Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) layer specification</b>				
R97	<i>current version:</i> 6.10.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> DOIG, Ian	MOTOROLA S.A.S	
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>				
	smg-25 1998-03-20 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-26 1998-06-26 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-27 1998-10-16 6 . 2 . 0	<a href="#">get it</a>			
	smg-28 1999-02-12 6 . 3 . 0	<a href="#">get it</a>			
	smg-29 1999-06-25 6 . 4 . 0	<a href="#">get it</a>			
	smg-30 1999-11-11 6 . 5 . 0	<a href="#">get it</a>			
	NP-06 1999-12-17 6 . 6 . 0	<a href="#">get it</a>			
	smg-31 2000-02-16 6 . 7 . 0	<a href="#">get it</a>			
	NP-10 2001-01-02 6 . 8 . 0	<a href="#">get it</a>			
	NP-13 2001-10-02 6 . 9 . 0	<a href="#">get it</a>			
	NP-14 2002-01-04 6 . 10 . 0	<a href="#">get it</a>			

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<b>TS 04.65</b>	<b>General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)</b>				
R97	<i>current version:</i> 6.7.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> DOIG, Ian	MOTOROLA S.A.S	
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>				
	smg-25 1998-03-20 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	24.065 existed, but scrapped since 04.65 is GSM only.	
	smg-26 1998-06-26 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-27 1998-10-16 6 . 2 . 0	<a href="#">get it</a>			
	smg-28 1999-02-12 6 . 3 . 0	<a href="#">get it</a>			
	smg-29 1999-06-25 6 . 4 . 0	<a href="#">get it</a>			
	smg-30 1999-11-11 6 . 5 . 0	<a href="#">get it</a>			
	NP-06 1999-12-17 6 . 6 . 0	<a href="#">get it</a>			
	smg-31 2000-02-16 6 . 7 . 0	<a href="#">get it</a>			

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<b>TS 04.67</b>	<b>Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3</b>				
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> SCHMITT, Peter	SIEMENS AG	
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>				
	smg-27 1998-10-16 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	Editorial correction 1998-11-16 6 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #27: 6.0.0		

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<b>TS 04.68</b>	<b>Group Call Control (GCC) Protocol</b>								
R97	<i>current version:</i> 6.3.0		<i>WG (prime / other):</i> N1 / -		<i>rapporteur:</i> GARAPATY, Sonia			Nortel Networks (USA)	
	<i>freeze_meeting:</i> smg-26		G: yes U:		<i>MCC:</i> JORGENSEN, Per Johan				
	<i>history (event, available, version, comments):</i>								
	smg-27 1998-10-16	6 . 0 . 0		<a href="#">get it</a>			<i>remarks - general:</i>		
	smg-29 1998-06-25	6 . 1 . 0		<a href="#">get it</a>			<i>remarks - this release:</i>		
	smg-30 1999-11-11	6 . 2 . 0		<a href="#">get it</a>					
	NP-07 2000-03-17	6 . 3 . 0		<a href="#">get it</a>					

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<b>TS 04.69</b>	<b>Broadcast Call Control (BCC) protocol</b>								
R97	<i>current version:</i> 6.3.0		<i>WG (prime / other):</i> N1 / -		<i>rapporteur:</i> GARAPATY, Sonia			Nortel Networks (USA)	
	<i>freeze_meeting:</i> smg-26		G: yes U:		<i>MCC:</i> JORGENSEN, Per Johan				
	<i>history (event, available, version, comments):</i>								
	smg-27 1998-10-16	6 . 0 . 0		<a href="#">get it</a>			<i>remarks - general:</i>		
	smg-29 1999-06-25	6 . 1 . 0		<a href="#">get it</a>			<i>remarks - this release:</i>		
	smg-30 1999-11-11	6 . 2 . 0		<a href="#">get it</a>					
	NP-07 2000-03-17	6 . 3 . 0		<a href="#">get it</a>					

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<b>TS 04.80</b>	<b>Mobile Radio Interface Layer 3 - Supplementary Services Specification Formats and Coding</b>								
R97	<i>current version:</i> 6.1.2		<i>WG (prime / other):</i> N4 / -		<i>rapporteur:</i> WIEHE, Ulrich			Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> smg-26		G: yes U:		<i>MCC:</i> KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>								
	smg-25 1998-03-20	6 . 0 . 0		<a href="#">get it</a>			<i>remarks - general:</i>		
	smg-26 1998-06-26	6 . 1 . 0		<a href="#">get it</a>			<i>remarks - this release:</i>		
	smg-28 1999-02-12	6 . 1 . 1		<a href="#">get it</a>					
	editorial 2003-10-09	6 . 1 . 2		<a href="#">get it</a>					

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<b>TS 04.81</b>	<b>Line Identification Supplementary Services; Stage 3</b>								
R97	<i>current version:</i> 6.0.1		<i>WG (prime / other):</i> N4 / -		<i>rapporteur:</i> WIEHE, Ulrich			Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> smg-26		G: yes U:		<i>MCC:</i> KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>								
	smg-27 1998-10-16	6 . 0 . 0		<a href="#">get it</a>			<i>remarks - general:</i>		
	Editorial correction 1998-11-16	6 . 0 . 1		<a href="#">get it</a>			<i>remarks - this release:</i> #27: 6.0.0		

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<b>TS 04.82</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 3</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	Editorial correction 1998-11-16 6 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>		
<hr/>						
<b>TS 04.83</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 3</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> SHARP, Iain	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	Editorial correction 1998-11-16 6 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>		
<hr/>						
<b>TS 04.84</b>	<b>Multi Party (MPY) Supplementary Services; Stage 3</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> HABERMANN, Steffen	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	Editorial correction 1998-11-16 6 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>		
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<b>TS 04.85</b>	<b>Closed User Group (CUG) Supplementary Services; Stage 3</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release: #27: 6.0.0</i>		
<hr/>						
<b>TS 04.86</b>	<b>Advice of Charge (AoC) Supplementary Services; Stage 3</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	Editorial correction 1998-11-16 6 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>		

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<b>TS 04.88</b>	<b>Call Barring (CB) Supplementary Services; Stage 3</b>						
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software			
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC: KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>						
	smg-25 1998-03-20 6 . 0 . 0		<a href="#">get it</a>	remarks - general:			
	Editorial correction 1998-04-20 6 . 0 . 1		<a href="#">get it</a>	remarks - this release: #25: 6.0.0			
<hr/>							
<b>TS 04.90</b>	<b>Unstructured Supplementary Service Data (USSD)</b>						
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB			
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC: KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>						
	smg-27 1998-10-16 6 . 0 . 0		<a href="#">get it</a>	remarks - general:			
	Editorial correction 1998-11-16 6 . 0 . 1		<a href="#">get it</a>	remarks - this release: #27: 6.0.0			
<hr/>							
<b>TS 04.91</b>	<b>Explicit Call Transfer (ECT) Supplementary Service; Stage 3</b>						
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software			
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC: KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>						
	smg-27 1998-10-16 6 . 0 . 0		<a href="#">get it</a>	remarks - general:			
	<to be defined> 1998-11-16 6 . 0 . 1		<a href="#">get it</a>	remarks - this release: #27: 6.0.0			
<hr/>							
<b>TS 04.93</b>	<b>Completion of Calls to Busy Subscriber (CCBS); Stage 3</b>						
R97	<i>current version:</i> 6.1.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software			
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC: KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>						
	smg-25 1998-03-20 6 . 0 . 0		<a href="#">get it</a>	remarks - general:			
	smg-26 1998-06-26 6 . 1 . 0		<a href="#">get it</a>	remarks - this release: #25: 6.0.0 #26: 6.1.0 #28:6.1.1			
	smg-28 1999-02-12 6 . 1 . 1		<a href="#">get it</a>				
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<b>TS 04.96</b>	<b>Name Identification Supplementary Services; Stage 3</b>						
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software			
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC: KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>						
	smg-25 1998-03-20 6 . 0 . 0		<a href="#">get it</a>	remarks - general:			
	Editorial correction 1998-04-20 6 . 0 . 1		<a href="#">get it</a>	remarks - this release: #24: 5.0.0 #25: 6.0.0 (5.0.0 withdrawn)			

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**TS 05.01 Physical Layer on the Radio Path (General Description)**

R97 *current version:* 6.1.1 *WG (prime / other):* G1 / - *rapporteur:* JOKINEN, Harri NOKIA MOBILE PHONES  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
smg-24 1997-12-19 6 . 0 . 0 [get it](#) *remarks - general:*  
smg-25 1998-03-20 6 . 1 . 0 [get it](#) *remarks - this release:*  
ETSI Publication 1998-04-20 6 . 1 . 1 [get it](#)

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**TS 05.02 Multiplexing and Multiple Access on the Radio Path**

R97 *current version:* 6.10.0 *WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist NOKIA Corporation  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
smg-24 1997-12-19 6 . 0 . 0 [get it](#) *remarks - general:*  
smg-25 1998-03-20 6 . 1 . 0 [get it](#) *remarks - this release:*  
smg-26 1998-06-26 6 . 2 . 0 [get it](#)  
smg-27 1998-10-16 6 . 3 . 0 [get it](#)  
ETSI publication 1999-03-09 6 . 3 . 1 [get it](#)  
smg-28 1999-02-12 6 . 4 . 0 [get it](#)  
ETSI publication 1999-08-04 6 . 4 . 1 [get it](#)  
smg-29 1999-06-25 6 . 5 . 0 [get it](#)  
smg-30 1999-11-11 6 . 6 . 0 [get it](#)  
smg-30b 1999-12-06 6 . 7 . 0 [get it](#)  
ETSI publication 2000-07-17 6 . 7 . 1 [get it](#)  
smg-31 2000-02-16 6 . 8 . 0 [get it](#)  
ETSI publication 2000-09-29 6 . 8 . 1 [get it](#)  
smg-31b 2000-04-17 6 . 9 . 0 [get it](#)  
ETSI publication 2000-10-17 6 . 9 . 1 [get it](#)  
edito 2001-05-02 6 . 9 . 2 [get it](#)  
GP-06 2001-10-01 6 . 10 . 0 [get it](#)

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<b>TS 05.03</b>	<b>Channel coding</b>								
R97	<i>current version:</i> 6.2.1		<i>WG (prime / other):</i> G1 / -		<i>rapporteur:</i> SÉBIRE, Benoist			NOKIA Corporation	
	<i>freeze_meeting:</i> smg-26		G: yes U:		MCC:	USAI, Paolino			
	<i>history (event, available, version, comments):</i>								
	smg-24 1997-12-19	6 . 0 . 0		<a href="#">get it</a>		<i>remarks - general:</i>			
	smg-25 1998-03-20	6 . 1 . 0		<a href="#">get it</a>		<i>remarks - this release:</i> #24: 6.0.0 #25: 6.1.0 #28: 6.2.0			
	smg-28 1999-02-12	6 . 2 . 0		<a href="#">get it</a>					
	ETSI Publication 1999-03-12	6 . 2 . 1		<a href="#">get it</a>					

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<b>TS 05.04</b>	<b>Modulation</b>								
R97	<i>current version:</i> 6.1.1		<i>WG (prime / other):</i> G1 / -		<i>rapporteur:</i> SÉBIRE, Benoist			NOKIA Corporation	
	<i>freeze_meeting:</i> smg-26		G: yes U:		MCC:	USAI, Paolino			
	<i>history (event, available, version, comments):</i>								
	smg-27 1998-10-16	6 . 0 . 0		<a href="#">get it</a>		<i>remarks - general:</i>			
	ETSI publication 1999-02-09	6 . 0 . 1		<a href="#">get it</a>		<i>remarks - this release:</i>			
	smg-30b 1999-12-06	6 . 1 . 0		<a href="#">get it</a>					
	ETSI publication 2000-06-20	6 . 1 . 1		<a href="#">get it</a>					

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<b>TS 05.05</b>	<b>Radio Transmission and Reception</b>								
R97	<i>current version:</i> 6.8.0		<i>WG (prime / other):</i> G1 / -		<i>rapporteur:</i> SAMUELSSON, Mats			Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> smg-26		G: yes U:		MCC:	USAI, Paolino			
	<i>history (event, available, version, comments):</i>								
	smg-24 1997-12-19	6 . 0 . 0		<a href="#">get it</a>		<i>remarks - general:</i>			
	smg-25 1998-03-20	6 . 1 . 0		<a href="#">get it</a>		<i>remarks - this release:</i>			
	smg-26 1998-06-26	6 . 2 . 0		<a href="#">get it</a>					
	smg-27 1998-10-16	6 . 3 . 0		<a href="#">get it</a>					
	ETSI publication 1999-03-09	6 . 3 . 1		<a href="#">get it</a>					
	smg-28 1999-02-12	6 . 4 . 0		<a href="#">get it</a>					
	ETSI publication 1999-06-04	6 . 4 . 1		<a href="#">get it</a>					
	smg-29 1999-06-25	6 . 5 . 0		<a href="#">get it</a>					
	ETSI publication 1999-12-14	6 . 5 . 1		<a href="#">get it</a>					
	smg-30 1999-11-11	6 . 6 . 0		<a href="#">get it</a>					
	smg-31 2000-02-16	6 . 7 . 0		<a href="#">get it</a>					
	ETSI publication 2000-09-29	6 . 7 . 1		<a href="#">get it</a>					
	GP-01 2000-10-09	6 . 8 . 0		<a href="#">get it</a>					

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## TS 05.08 Radio Subsystem Link Control

R97 *current version:* 6.9.0

*freeze\_meeting:* smg-26

*WG (prime / other):* G1 / - *rapporteur:* EL-SAIGH, Amer

VODAFONE Group Plc

G: yes U: *MCC:* USAI, Paolino

*history (event, available, version, comments):*

smg-24	1997-12-19	6	.	0	.	0
smg-25	1998-03-20	6	.	1	.	0
edito	1998-03-20	6	.	1	.	1
smg-26	1998-06-26	6	.	2	.	0
smg-27	1998-10-16	6	.	3	.	0
ETSI publication	1999-03-09	6	.	3	.	1
smg-28	1999-02-12	6	.	4	.	0
ETSI publication	1999-08-04	6	.	4	.	1
smg-29	1999-06-25	6	.	5	.	0
ETSI publication	1999-12-04	6	.	5	.	1
smg-30	1999-11-11	6	.	6	.	0
smg-30b	1999-12-06	6	.	7	.	0
edito	2000-02-01	6	.	7	.	1
smg-31b	2000-04-17	6	.	8	.	0
ETSI publication		6	.	8	.	1
GP-01	2000-10-10	6	.	9	.	0

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:*

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## TS 05.10 Radio subsystem synchronization

R97 *current version:* 6.7.0

*freeze\_meeting:* smg-26

*WG (prime / other):* G1 / - *rapporteur:* JOKINEN, Harri

NOKIA MOBILE PHONES

G: yes U: *MCC:* USAI, Paolino

*history (event, available, version, comments):*

smg-24	1997-12-19	6	.	0	.	0
smg-25	1998-03-20	6	.	1	.	0
smg-26	1998-06-26	6	.	2	.	0
smg-27	1998-10-16	6	.	3	.	0
ETSI publication	1999-03-09	6	.	3	.	1
smg-28	1999-02-12	6	.	4	.	0
ETSI publication	1999-08-04	6	.	4	.	1
smg-29	1999-06-25	6	.	5	.	0
ETSI publication	1999-12-14	6	.	5	.	1
smg-30	1999-11-11	6	.	6	.	0
ETSI publication	2001-05-29	6	.	6	.	1
GP-02	2000-11-24	6	.	7	.	0

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:*

[get it](#)

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<b>TS 05.14</b>	<b>Release independent frequency bands; Implementation guidelines</b>					
R97	<i>current version:</i> 6.2.0	<i>WG (prime / other):</i>	G1 / G2	<i>rapporteur:</i>	KANGAS, Antti	NOKIA Corporation
	<i>freeze_meeting:</i> smg-26	G: yes U:		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	GP-02 2001-01-05 6 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	Originally allocated as 09.20. Changed by request of GERAN chair 2000-11-09.	
Changed from G2 to G1 at same time.	GP-05 2002-01-03 6 . 1 . 0	<a href="#">get it</a>		<i>remarks - this release:</i>	Originally allocated as 09.20. Changed by request of GERAN chair 2000-11-09. R97 record created at same time (originally was only R99 and R98).	
	GP-10 2002-07-19 6 . 2 . 0	<a href="#">get it</a>				
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<b>TR 05.22</b>	<b>Radio link management in hierarchical networks</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i>	G1 / -	<i>rapporteur:</i>	VAN BUSSEL, Han	T-MOBILE DEUTSCHLAND
	<i>freeze_meeting:</i> smg-26	G: yes U:		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>		
				<i>remarks - this release:</i>	#27: 6.0.0	
<hr/>						
<b>TR 05.50</b>	<b>Background for RF Requirements</b>					
R97	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i>	G1 / -	<i>rapporteur:</i>	ANDERSEN, Niels Peter Skov	MOTOROLA A/S
	<i>freeze_meeting:</i> smg-26	G: yes U:		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	smg-24 1997-12-19 6 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>		
	smg-31 2000-02-16 6 . 1 . 0	<a href="#">get it</a>		<i>remarks - this release:</i>	#24: 6.0.0 #31:6.1.0	
<hr/>						
<b>TR 05.90</b>	<b>GSM Electromagnetic Compatibility (EMC) considerations</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i>	G1 / -	<i>rapporteur:</i>	USAI, Paolino	TELECOM ITALIA S.p.A.
	<i>freeze_meeting:</i> smg-26	G: yes U:		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	smg-27 2001-04-10 6 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>		
ETSI publication	2001-11-12 6 . 0 . 1	<a href="#">get it</a>		<i>remarks - this release:</i>	#27: 6.0.0 Withdrawn, since never created. 2001-01-31: GERAN convenor asks for its re-instatement.	

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06 .- series

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<b>TS 06.01</b>	<b>Full Rate Speech Processing Functions</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino		TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 1998-11-16 6 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i>	
<hr/>						
<b>TS 06.02</b>	<b>Half Rate Speech Processing Functions</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve		MOTOROLA Ltd	
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 1998-11-16 6 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>	
<hr/>						
<b>TS 06.06</b>	<b>Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve		MOTOROLA Ltd	
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 1998-11-16 6 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>	
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<b>TS 06.07</b>	<b>Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve		MOTOROLA Ltd	
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 1998-11-16 6 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>	
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<b>TR 06.08</b>	<b>Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SALEM, Tarek		T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release: #27: 6.0.0</i>	

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<b>TS 06.10</b>	<b>Full Rate Speech Transcoding</b>						
R97	<i>current version:</i> 6.2.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> LORENZ, Dietmar	PHILIPS Semiconductors			
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC: USAI, Paolino				
	<i>history (event, available, version, comments):</i>						
	smg-27 1998-10-16 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-32 2000-06-20 6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>			
	ETSI Publication 2000-11-30 6 . 1 . 1		<a href="#">get it</a>				
	SP-12 2001-06-29 6 . 2 . 0		<a href="#">get it</a>				
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<b>TS 06.11</b>	<b>Substitution and Muting of Lost Frames for Full Rate Speech Channels</b>						
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> NAVARRO, William	NORTEL NETWORKS (EUROPE)			
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC: USAI, Paolino				
	<i>history (event, available, version, comments):</i>						
	smg-27 1998-10-16 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI Publication 1998-11-16 6 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>			
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<b>TS 06.12</b>	<b>Comfort Noise Aspects for Full Rate Speech Traffic Channels</b>						
R97	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SERENO, Daniele	TELECOM ITALIA S.p.A.			
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC: USAI, Paolino				
	<i>history (event, available, version, comments):</i>						
	smg-27 1998-10-16 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI Publication 1998-11-16 6 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>			
	SP-12 2001-06-29 6 . 1 . 0		<a href="#">get it</a>				
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<b>TS 06.20</b>	<b>Half Rate Speech Transcoding</b>						
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd			
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC: USAI, Paolino				
	<i>history (event, available, version, comments):</i>						
	smg-27 1998-10-16 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	Editorial correction 1998-11-16 6 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>			
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<b>TS 06.21</b>	<b>Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels</b>						
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd			
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC: USAI, Paolino				
	<i>history (event, available, version, comments):</i>						
	smg-27 1998-10-16 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI Publication 1998-11-16 6 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>			

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<b>TS 06.22</b>	<b>Comfort Noise Aspects for Half Rate Speech Traffic Channels</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	AFTELAK, Steve	MOTOROLA Ltd
	<i>freeze_meeting:</i> smg-26	G: yes U:		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 1998-11-16 6 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>	
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<b>TS 06.31</b>	<b>Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	USAI, Paolino	TELECOM ITALIA S.p.A.
	<i>freeze_meeting:</i> smg-26	G: yes U:		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 1998-11-16 6 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>	
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<b>TS 06.32</b>	<b>Voice Activity Detection (VAD)</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	BARRETT, Paul	Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i> smg-26	G: yes U:		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 1998-11-16 6 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>	
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<b>TS 06.41</b>	<b>Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	USAI, Paolino	TELECOM ITALIA S.p.A.
	<i>freeze_meeting:</i> smg-26	G: yes U:		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 1998-11-16 6 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>	
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<b>TS 06.42</b>	<b>Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	BARRETT, Paul	Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i> smg-26	G: yes U:		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 1998-11-16 6 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>	

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<b>TS 06.51</b>	<b>GSM Enhanced full rate speech processing functions: General description</b>					
R97	<i>current version:</i> 6.2.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
	ETSI publication 1999-06-04 6 . 0 . 1				<a href="#">get it</a>	<i>remarks - this release:</i> #27: 6.0.0 #32:6.1.0 TSG#10:6.2.0
	smg-32 2000-06-20 6 . 1 . 0				<a href="#">get it</a>	
	ETSI publication 2000-11-30 6 . 1 . 1				<a href="#">get it</a>	
	SP-10 2000-12-20 6 . 2 . 0				<a href="#">get it</a>	
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<b>TS 06.53</b>	<b>ANSI-C code for the GSM Enhanced Full Rate (EFR) speech codec</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
	ETSI Publication 1998-11-16 6 . 0 . 1				<a href="#">get it</a>	<i>remarks - this release:</i>
<hr/>						
<b>TS 06.54</b>	<b>Test sequences for the GSM Enhanced Full Rate (EFR)</b>					
R97	<i>current version:</i> 6.2.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
	ETSI publication 1999-09-01 6 . 0 . 1				<a href="#">get it</a>	<i>remarks - this release:</i>
	smg-32 2000-06-20 6 . 1 . 0				<a href="#">get it</a>	
	SP-10 2000-12-20 6 . 2 . 0				<a href="#">get it</a>	
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<b>TR 06.55</b>	<b>Performance characterisation of the GSM EFR Speech Codec</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SALEM, Tarek	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-27 1998-10-16 6 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
						<i>remarks - this release:</i> #27: 6.0.0

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<b>TS 06.60</b>	<b>Enhanced full rate speech transcoding</b>								
R97	<i>current version:</i> 6.0.1		<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari		NOKIA Corporation			
	<i>freeze_meeting:</i> smg-26		G: yes U:	<i>MCC:</i> USAI, Paolino					
	<i>history (event, available, version, comments):</i>								
	smg-27 1998-10-16 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	ETSI Publication 1998-11-16 6 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>				
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<b>TS 06.61</b>	<b>Substitution and muting of lost frames for enhanced full rate speech traffic channels</b>								
R97	<i>current version:</i> 6.0.1		<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari		NOKIA Corporation			
	<i>freeze_meeting:</i> smg-26		G: yes U:	<i>MCC:</i> USAI, Paolino					
	<i>history (event, available, version, comments):</i>								
	smg-27 1998-10-16 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	ETSI Publication 1998-11-16 6 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>				
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<b>TS 06.62</b>	<b>Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels</b>								
R97	<i>current version:</i> 6.0.1		<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari		NOKIA Corporation			
	<i>freeze_meeting:</i> smg-26		G: yes U:	<i>MCC:</i> USAI, Paolino					
	<i>history (event, available, version, comments):</i>								
	smg-27 1998-10-16 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	ETSI Publication 1999-06-04 6 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>				
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<b>TS 06.81</b>	<b>Discontinuous Transmission (DTX) for enhanced full rate speech traffic channels</b>								
R97	<i>current version:</i> 6.1.1		<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari		NOKIA Corporation			
	<i>freeze_meeting:</i> smg-26		G: yes U:	<i>MCC:</i> USAI, Paolino					
	<i>history (event, available, version, comments):</i>								
	smg-27 1998-10-16 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-30 1999-11-11 6 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0 #30: 6.1.0</i>				
	ETSI Publication 2000-05-09 6 . 1 . 1			<a href="#">get it</a>					
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<b>TS 06.82</b>	<b>Voice Activity Detection (VAD) for enhanced full rate speech traffic channels</b>								
R97	<i>current version:</i> 6.0.1		<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari		NOKIA Corporation			
	<i>freeze_meeting:</i> smg-26		G: yes U:	<i>MCC:</i> USAI, Paolino					
	<i>history (event, available, version, comments):</i>								
	smg-27 1998-10-16 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	ETSI Publication 1998-11-16 6 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>				

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**TR 06.85 Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation**  
R97 *current version:* 6.0.0 *WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*freeze\_meeting:* smg-26 *G:* yes *U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
smg-27 1998-10-16 6 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #27: 6.0.0

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**TS 07.01 General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)**  
R97 *current version:* 6.1.0 *WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*freeze\_meeting:* smg-26 *G:* yes *U:* *MCC:* BOSWARTHICK, David  
*history (event, available, version, comments):*  
smg-27 1998-10-16 6 . 0 . 0 [get it](#) *remarks - general:*  
smg-29 1999-06-25 6 . 1 . 0 [get it](#) *remarks - this release:*

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**TS 07.02 Terminal Adaptation Functions (TAF) for Services Using Asynchronous Bearer Capabilities**  
R97 *current version:* 6.0.0 *WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*freeze\_meeting:* smg-26 *G:* yes *U:* *MCC:* BOSWARTHICK, David  
*history (event, available, version, comments):*  
smg-26 1998-06-26 6 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #26: 6.0.0

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**TS 07.03 Terminal Adaptation Functions (TAF) for Services Using Synchronous Bearer Capabilities**  
R97 *current version:* 6.0.0 *WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*freeze\_meeting:* smg-26 *G:* yes *U:* *MCC:* BOSWARTHICK, David  
*history (event, available, version, comments):*  
smg-26 1998-06-26 6 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #26: 6.0.0

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**TS 07.05 Use of Data Terminal Equipment - Data Circuit Terminating Equipment (DTE-DCE) Interface for Short Message Services (SMS) and Cell Broadcast Services (CBS)**

R97 *current version:* 6.0.0 *WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*freeze\_meeting:* smg-26 *G:* yes *U:* *MCC:* RODERMUND, Friedhelm  
*history (event, available, version, comments):*  
smg-27 1998-10-16 6 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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**TS 07.07 AT Command set for GSM Mobile Equipment (ME)**

R97 *current version:* 6.5.0 *WG (prime / other):* T2 / - *rapporteur:* CHRISTENSEN, Soren Telefon AB LM Ericsson  
*freeze\_meeting:* smg-26 *G:* yes *U:* *MCC:* RODERMUND, Friedhelm  
*history (event, available, version, comments):*  
smg-25 1998-03-20 6 . 0 . 0 [get it](#) *remarks - general:*  
smg-26 1998-06-26 6 . 1 . 0 [get it](#) *remarks - this release:*  
smg-27 1998-10-16 6 . 2 . 0 [get it](#)  
smg-29 1999-06-25 6 . 3 . 0 [get it](#)  
TP-05 1999-10-08 6 . 4 . 0 [get it](#)  
TP-11 2001-04-06 6 . 5 . 0 [get it](#)

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**TS 07.10 Terminal Equipment to Mobile Station (TE-MS) multiplexer protocol**

R97 *current version:* 6.5.0 *WG (prime / other):* T2 / - *rapporteur:* BROOK, Richard SAMSUNG Electronics Research Institute  
*freeze\_meeting:* smg-26 *G:* yes *U:* *MCC:* RODERMUND, Friedhelm  
*history (event, available, version, comments):*  
smg-24 1998-01-19 2 . 0 . 0 [get it](#) *remarks - general:*  
draft 1998-03-10 2 . 2 . 0 [get it](#) *remarks - this release:*  
smg-25 1998-03-20 6 . 0 . 0 [get it](#)  
smg-26 1998-06-26 6 . 1 . 0 [get it](#)  
smg-27 1998-10-16 6 . 2 . 0 [get it](#)  
smg-28 1999-02-12 6 . 3 . 0 [get it](#)  
TP-05 1999-10-08 6 . 4 . 0 [get it](#)  
TP-15 2002-03-26 6 . 5 . 0 [get it](#)

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## TS 07.60 General Packet Radio Service (GPRS); Mobile Station (MS) supporting GPRS

R97 *current version:* 6.5.0 *WG (prime / other):* N3 / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* BOSWARTHICK, David

*history (event, available, version, comments):*

smg-25	1998-03-20	6	.	0	.	0
smg-26	1998-06-26	6	.	1	.	0
smg-27	1998-10-16	6	.	2	.	0
smg-29	1999-06-25	6	.	3	.	0
NP-05	1999-10-08	6	.	4	.	0
NP-06	1999-12-15	6	.	5	.	0

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*remarks - general:*

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*remarks - this release:* #25: 6.0.0 #26: 6.1.0 #27: 6.2.0 #29: 6.3.0 TSG#5: 6.4.0 TSG#6: 6.5.0

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## TS 08.01 General Aspects on the BSS-MSC Interface

R97 *current version:* 6.0.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*

smg-27	1998-10-16	6	.	0	.	0
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*remarks - general:*

*remarks - this release:*

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## TS 08.02 Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles

R97 *current version:* 6.0.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*

smg-27	1998-10-16	6	.	0	.	0
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*remarks - this release:*

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<b>TS 08.04</b>	<b>Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification</b>
R97	<i>current version:</i> 6.0.0 <i>freeze_meeting:</i> smg-26
	<i>WG (prime / other):</i> G2 / - <i>rapporteur:</i> ANDERSEN, Niels Peter MOTOROLA A/S Skov
	<i>G:</i> yes <i>U:</i> <i>MCC:</i> THOMASEN, Gert
	<i>history (event, available, version, comments):</i> smg-27 1998-10-16 6 . 0 . 0
	<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i>

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<b>TS 08.06</b>	<b>Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface</b>
R97	<i>current version:</i> 6.0.0 <i>freeze_meeting:</i> smg-26
	<i>WG (prime / other):</i> G2 / - <i>rapporteur:</i> ANDERSEN, Niels Peter MOTOROLA A/S Skov
	<i>G:</i> yes <i>U:</i> <i>MCC:</i> THOMASEN, Gert
	<i>history (event, available, version, comments):</i> smg-27 1998-10-16 6 . 0 . 0
	<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i>

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<b>TS 08.08</b>	<b>Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification</b>
R97	<i>current version:</i> 6.5.0 <i>freeze_meeting:</i> smg-26
	<i>WG (prime / other):</i> G2 / - <i>rapporteur:</i> ANDERSEN, Niels Peter MOTOROLA A/S Skov
	<i>G:</i> yes <i>U:</i> <i>MCC:</i> THOMASEN, Gert
	<i>history (event, available, version, comments):</i> smg-31b 2000-04-17 6 . 5 . 0
	<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i>

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<b>TS 08.14</b>	<b>General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1</b>
R97	<i>current version:</i> 6.0.0 <i>freeze_meeting:</i> smg-26
	<i>WG (prime / other):</i> G2 / - <i>rapporteur:</i> ANDERSEN, Niels Peter MOTOROLA A/S Skov
	<i>G:</i> yes <i>U:</i> <i>MCC:</i> THOMASEN, Gert
	<i>history (event, available, version, comments):</i> smg-25 1998-03-20 6 . 0 . 0
	<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i>

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<b>TS 08.16</b>	<b>General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service</b>				
R97	<i>current version:</i> 6.3.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-26		Skov		
		G: yes U:	MCC:	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i>				
	smg-25 1998-03-20	6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-26 1998-06-26	6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-28 1999-02-12	6 . 2 . 0	<a href="#">get it</a>		
	smg-29 1999-06-25	6 . 3 . 0	<a href="#">get it</a>		

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<b>TS 08.18</b>	<b>General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol</b>				
R97	<i>current version:</i> 6.8.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> BLACK, Jyoti	MOTOROLA	
	<i>freeze_meeting:</i> smg-26				
	<i>history (event, available, version, comments):</i>				
	smg-25 1998-03-20	6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-26 1998-06-26	6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
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	smg-28 1999-02-12	6 . 3 . 0	<a href="#">get it</a>		
	smg-29 1999-06-25	6 . 4 . 0	<a href="#">get it</a>		
	smg-30 1999-11-11	6 . 5 . 0	<a href="#">get it</a>		
	smg-31 2000-02-16	6 . 7 . 0	<a href="#">get it</a>		
	ETSI Publication 2000-03-16	6 . 7 . 1	<a href="#">get it</a>		
	GP-05 2001-06-18	6 . 8 . 0	<a href="#">get it</a>		

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<b>TS 08.20</b>	<b>Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface</b>				
R97	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> RÄSÄNEN, Juha	NOKIA Corporation	
	<i>freeze_meeting:</i> smg-26				
	<i>history (event, available, version, comments):</i>				
	smg-27 1998-10-16	6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	NP-11 2001-04-04	6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	

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<b>TS 08.51</b>	<b>Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects</b>				
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-26		Skov		
	<i>history (event, available, version, comments):</i>				
	smg-27 1998-10-16	6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
				<i>remarks - this release:</i>	

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**TS 08.52 Base Station Controller - Base Transceiver Station (BSC-BTS) Interface - Interface Principles**  
R97 *current version:* 6.0.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-26 G: yes U: *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
smg-27 1998-10-16 6 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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**TS 08.54 BSC-BTS Layer 1; Structure of Physical Circuits**  
R97 *current version:* 6.0.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-26 G: yes U: *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
smg-27 1998-10-16 6 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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**TS 08.56 BSC-BTS Layer 2; Specification**  
R97 *current version:* 6.0.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-26 G: yes U: *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
smg-27 1998-10-16 6 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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**TS 08.58 Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification**  
R97 *current version:* 6.3.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-26 G: yes U: *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
smg-25 1998-03-20 6 . 0 . 0 [get it](#) *remarks - general:*  
smg-28 1999-02-12 6 . 1 . 0 [get it](#) *remarks - this release:* #25: 6.0.0 #28: 6.1.0 #29: 6.2.0 #30: 6.3.0  
smg-29 1999-06-25 6 . 2 . 0 [get it](#)  
smg-30 1999-11-11 6 . 3 . 0 [get it](#)

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**TS 08.60 In-band control of remote transcoders and rate adaptors for Enhanced Full Rate (EFR) and full rate traffic channels**  
R97 *current version:* 6.0.1 *WG (prime / other):* G1 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-26 *G:* yes *U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
smg-27 1998-10-16 6 . 0 . 0 [get it](#) *remarks - general:* 2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.  
ETSI Publication 1998-11-16 6 . 0 . 1 [get it](#) *remarks - this release:*

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**TS 08.61 In-band control of remote transcoders and rate adaptors for half rate traffic channels**  
R97 *current version:* 6.0.1 *WG (prime / other):* G1 / NP *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-26 *G:* yes *U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
smg-27 1998-10-18 6 . 0 . 0 [get it](#) *remarks - general:* 2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.  
ETSI Publication 1998-11-18 6 . 0 . 1 [get it](#) *remarks - this release:*

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R97 09 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/09\\_series](http://www.3gpp.org/ftp/Specs/archive/09_series)

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**TR 09.01 General Network Interworking Scenarios**  
R97 *current version:* 6.0.0 *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*freeze\_meeting:* smg-26 *G:* yes *U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
smg-27 1998-10-16 6 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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G = required in systems with GERAN acces; U = required in systems with UMTS access.



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<b>TS 09.02</b>	<b>Mobile Application Part (MAP) Specification</b>						
R97	<i>current version:</i> 6.14.0	WG (prime / other):	N4 / -	<i>rapporteur:</i>	WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> smg-26	G: yes U:		MCC:	KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>						
	smg-25 1998-03-20	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	CN->N4 Apr00 (JMM)	
	smg-26 1998-06-26	6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	edito 1998-09-09	6 . 1 . 1		<a href="#">get it</a>			
	smg-27 1998-10-16	6 . 2 . 0		<a href="#">get it</a>			
	smg-28 1999-02-12	6 . 3 . 0		<a href="#">get it</a>			
	smg-29 1999-06-25	6 . 4 . 0		<a href="#">get it</a>			
	NP-05 1999-10-08	6 . 5 . 0		<a href="#">get it</a>			
	NP-06 1999-12-15	6 . 6 . 0		<a href="#">get it</a>			
	NP-07 2000-03-15	6 . 7 . 0		<a href="#">get it</a>			
	NP-08 2000-06-21	6 . 8 . 0		<a href="#">get it</a>			
	NP-09 2000-11-08	6 . 9 . 0		<a href="#">get it</a>			
	NP-10 2000-12-21	6 . 10 . 0		<a href="#">get it</a>			
	NP-11 2001-04-06	6 . 11 . 0		<a href="#">get it</a>			
	NP-15 2002-04-04	6 . 12 . 0		<a href="#">get it</a>			
	NP-19 2003-04-07	6 . 13 . 0		<a href="#">get it</a>			
	NP-21 2003-10-09	6 . 14 . 0		<a href="#">get it</a>			

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<b>TS 09.03</b>	<b>Signalling Requirements on Interworking between the Intergrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) and the Public Land Mobile</b>						
R97	<i>current version:</i> Network (PLMN)	6.0.0	WG (prime / other):	N3	/-	<i>rapporteur:</i>	BOSWARTHICK, David
	ETSI Secretariat						
	<i>freeze_meeting:</i> smg-26		G: yes U:		MCC:	BOSWARTHICK, David	
	<i>history (event, available, version, comments):</i>						
	smg-27 1998-10-16	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	N3: "no R99 needed".	
					<i>remarks - this release:</i>	#27: 6.0.0	

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<b>TS 09.04</b>	<b>Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)</b>						
R97	<i>current version:</i> 6.0.0	WG (prime / other):	N3 / -	<i>rapporteur:</i>	BOSWARTHICK, David	ETSI Secretariat	
	<i>freeze_meeting:</i> smg-26	G: yes U:		MCC:	BOSWARTHICK, David		
	<i>history (event, available, version, comments):</i>						
	smg-27 1998-10-16	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	N3: "no R99 needed".	
					<i>remarks - this release:</i>	#27: 6.0.0	

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 09.05</b>	<b>Interworking between the PLMN and the PSPDN for PAD Access</b>								
R97	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> N3 / -		<i>rapporteur:</i> BOSWARTHICK, David			ETSI Secretariat	
	<i>freeze_meeting:</i> smg-26		<i>G: yes U:</i>		<i>MCC:</i> BOSWARTHICK, David				
	<i>history (event, available, version, comments):</i>								
	smg-27 1998-10-16 6 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i> N3: "no R99 needed".		<i>remarks - this release:</i> #27: 6.0.0
<hr/>									
<b>TS 09.06</b>	<b>Interworking between a Public Land Mobile Network (PLMN) and a Packet Switched Public Data Network/Intergrated Services digital Network (PSPDN/ISDN) for Support of Packet</b>								
R97	<i>current version:</i> <b>Switched Data Transmission Services</b>	6.0.0	<i>WG (prime / other):</i> N3	/-	<i>rapporteur:</i> BOSWARTHICK, David			ETSI Secretariat	
	<i>freeze_meeting:</i> smg-26		<i>G: yes U:</i>		<i>MCC:</i> BOSWARTHICK, David				
	<i>history (event, available, version, comments):</i>								
	smg-27 1998-10-16 6 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i> N3: "no R99 needed".		<i>remarks - this release:</i> #27: 6.0.0
<hr/>									
<b>TS 09.07</b>	<b>General Requirements on Interworking between the Public Land Mobile Network (PLMN) and the Intergrated Services Digital Network (ISDN) or Public Switched Telephone</b>								
R97	<i>current version:</i> <b>Network (PSTN)</b>	6.2.0	<i>WG (prime / other):</i> N3	/-	<i>rapporteur:</i> KLEHN, Norbert			SIEMENS AG	
	<i>freeze_meeting:</i> smg-26		<i>G: yes U:</i>		<i>MCC:</i> BOSWARTHICK, David				
	<i>history (event, available, version, comments):</i>								
	smg-27 1998-10-16 6 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-29 1999-06-25 6 . 1 . 0					<a href="#">get it</a>	<i>remarks - this release:</i> #27: 6.0.0 #29: 6.1.0 N#6: 6.2.0		
	NP-06 1999-12-15 6 . 2 . 0					<a href="#">get it</a>			
<hr/>									
<b>TS 09.08</b>	<b>Application of the Base Station System Application Part (BSSAP) on the E-Interface</b>								
R97	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> N1 / -		<i>rapporteur:</i> FARHOUMAND, Rouzbeh			Ericsson Incorporated	
	<i>freeze_meeting:</i> smg-26		<i>G: yes U:</i>		<i>MCC:</i> JORGENSEN, Per Johan				
	<i>history (event, available, version, comments):</i>								
	smg-27 1998-10-16 6 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i>		<i>remarks - this release:</i> #27: 6.0.0

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 09.10</b>	<b>Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling</b>						
R97	<i>current version: Procedures and the Mobile Application Part (MAP)</i>	6.2.0	WG (prime / other):	N4	/-	<i>rapporteur:</i>	KYMALAINEN, Kimmo
TeliaSonera AB							
	<i>freeze_meeting: smg-26</i>		G: yes	U:		MCC:	KYMALAINEN, Kimmo
	<i>history (event, available, version, comments):</i>						
	smg-25 1998-03-20 6 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i>
	smg-29 1999-06-25 6 . 1 . 0					<a href="#">get it</a>	<i>remarks - this release: #25: 6.0.0 #29: 6.1.0 TSG#11:6.2.0</i>
	NP-11 2001-04-04 6 . 2 . 0					<a href="#">get it</a>	

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<b>TS 09.11</b>	<b>Signalling Interworking for Supplementary Services</b>						
R97	<i>current version: 6.0.0</i>		WG (prime / other):	N4	/-	<i>rapporteur:</i>	WIEHE, Ulrich Gesellschaft für Kommunikations Software
	<i>freeze_meeting: smg-26</i>		G: yes	U:		MCC:	KYMALAINEN, Kimmo
	<i>history (event, available, version, comments):</i>						
	smg-26 1998-06-26 6 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i>
							<i>remarks - this release: #26: 6.0.0</i>

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<b>TS 09.13</b>	<b>Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols</b>						
R97	<i>current version: 6.0.0</i>		WG (prime / other):	N4	/-	<i>rapporteur:</i>	WIEHE, Ulrich Gesellschaft für Kommunikations Software
	<i>freeze_meeting: smg-26</i>		G: yes	U:		MCC:	KYMALAINEN, Kimmo
	<i>history (event, available, version, comments):</i>						
	smg-27 1998-10-16 6 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i>
							<i>remarks - this release:</i>

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<b>TS 09.16</b>	<b>General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface network service specification</b>						
R97	<i>current version: 6.1.0</i>		WG (prime / other):	N1	/-	<i>rapporteur:</i>	DAWES, Peter VODAFONE LTD
	<i>freeze_meeting: smg-26</i>		G: yes	U:		MCC:	JORGENSEN, Per Johan
	<i>history (event, available, version, comments):</i>						
	smg-25 1998-03-20 6 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i>
	smg-28 1999-02-12 6 . 1 . 0					<a href="#">get it</a>	<i>remarks - this release:</i>

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 09.18</b>	<b>General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification</b>
R97	<i>current version:</i> 6.7.0
	<i>freeze_meeting:</i> smg-26
	<i>history (event, available, version, comments):</i>
	smg-25 1998-02-20 6 . 0 . 0 <a href="#">get it</a> <i>remarks - general:</i>
	smg-26 1998-06-26 6 . 1 . 0 <a href="#">get it</a> <i>remarks - this release:</i>
	smg-27 1998-10-16 6 . 2 . 0 <a href="#">get it</a>
	smg-28 1999-02-12 6 . 3 . 0 <a href="#">get it</a>
	smg-29 1999-06-25 6 . 4 . 0 <a href="#">get it</a>
	NP-05 1999-10-08 6 . 5 . 0 <a href="#">get it</a>
	NP-07 2000-03-15 6 . 6 . 0 <a href="#">get it</a>
	NP-14 2002-01-04 6 . 7 . 0 <a href="#">get it</a>

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<b>TS 09.60</b>	<b>General Packet Radio Service (GPRS); GPRS Tunnelling Protocol GTP across the Gn and Gp Interface</b>
R97	<i>current version:</i> 6.13.0
	<i>freeze_meeting:</i> smg-26
	<i>history (event, available, version, comments):</i>
	smg-25 1998-03-20 6 . 0 . 0 <a href="#">get it</a> <i>remarks - general:</i>
	smg-26 1998-06-26 6 . 1 . 0 <a href="#">get it</a> <i>remarks - this release:</i>
	smg-27 1998-10-16 6 . 2 . 0 <a href="#">get it</a>
	smg-28 1999-02-12 6 . 3 . 0 <a href="#">get it</a>
	smg-29 1999-06-25 6 . 4 . 0 <a href="#">get it</a>
	ETSI publication 1999-11-03 6 . 4 . 1 <a href="#">get it</a>
	NP-05 1999-10-08 6 . 5 . 0 <a href="#">get it</a>
	NP-06 1999-12-15 6 . 6 . 0 <a href="#">get it</a>
	ETSI publication 2000-07-05 6 . 6 . 1 <a href="#">get it</a>
	NP-07 2000-03-15 6 . 7 . 0 <a href="#">get it</a>
	ETSI publication 6 . 7 . 1
	NP-08 2000-06-21 6 . 8 . 0 <a href="#">get it</a>
	ETSI publication 6 . 8 . 1
	NP-09 2000-10-31 6 . 9 . 0 <a href="#">get it</a>
	NP-11 2001-04-20 6 . 10 . 0 <a href="#">get it</a>
	make figures visible 2001-08-09 6 . 10 . 1 <a href="#">get it</a>
	NP-13 2001-10-03 6 . 11 . 0 <a href="#">get it</a>
	NP-16 2002-06-21 6 . 12 . 0 <a href="#">get it</a>
	NP-18 2003-01-07 6 . 13 . 0 <a href="#">get it</a>

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<b>TS 09.61</b>	<b>General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)</b>				
R97	<i>current version:</i> 6.10.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> HUSLENDE, Ragnar	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> BOSWARTHICK, David		
	<i>history (event, available, version, comments):</i>				
	smg-25 1998-03-20 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-26 1998-06-26 6 . 1 . 0	not issued, w/proc compatibility probs		<i>remarks - this release:</i>	
	smg-26 1998-06-26 6 . 2 . 0		<a href="#">get it</a>		
	smg-27 1998-10-16 6 . 3 . 0		<a href="#">get it</a>		
	smg-30 1999-11-11 6 . 4 . 0		<a href="#">get it</a>		
	NP-13 2001-10-12 6 . 5 . 0		<a href="#">get it</a>		
	NP-14 2002-01-14 6 . 6 . 0		<a href="#">get it</a>		
	NP-15 2002-03-20 6 . 7 . 0		<a href="#">get it</a>		
	NP-16 2002-07-02 6 . 8 . 0		<a href="#">get it</a>		
	NP-18 2003-01-09 6 . 9 . 0		<a href="#">get it</a>		
	NP-19 2003-03-27 6 . 10 . 0		<a href="#">get it</a>		

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<b>TS 09.78</b>	<b>CAMEL Application Part phase 2 (stage 3)</b>				
R97	<i>current version:</i> 6.5.0	<i>WG (prime / other):</i> N2 / -	<i>rapporteur:</i> NOLDUS, Rogier	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> JURISIC, Andrijana		
	<i>history (event, available, version, comments):</i>				
	smg-25 1998-03-20 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-26 1998-06-26 6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-27 1998-10-16 6 . 2 . 0		<a href="#">get it</a>		
	smg-28 1999-02-12 6 . 3 . 0		<a href="#">get it</a>		
	smg-29 1999-06-25 6 . 4 . 0		<a href="#">get it</a>		
	NP-08 2000-06-21 6 . 5 . 0		<a href="#">get it</a>		

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<b>TR 09.94</b>	<b>Recommended infrastructure measures to overcome specific Mobile Station (MS) faults</b>				
R97	<i>current version:</i> 6.1.1	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-24	G: yes U:	Skov		
	<i>history (event, available, version, comments):</i>		<i>MCC:</i> JORGENSEN, Per Johan		
	smg-27 1998-03-20 6 . 0 . 0	withdrawn SMG-30; ; reinstated NP-16		<i>remarks - general:</i>	
	NP-16 2002-06-26 6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> 2002-05-02 (Hietalahti): Anticipate resurrection as null document pointing to latest Release version.	
	edito post NP-18 2002-12-16 6 . 1 . 1	minor editorials to change style from TS to TR.	<a href="#">get it</a>		

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**TR 09.95 Interworking between modified PLMN supporting GPRS and legacy GPRS mobiles**

R97 *current version:* 6.3.0 *WG (prime / other):* G1 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* GP-04 G: yes U: *MCC:* USAI, Paolino

*history (event, available, version, comments):*

GP-04	2001-04-20	6	.	0	.	0
GP-07	2002-01-04	6	.	1	.	0
GP-08	2002-02-19	6	.	2	.	0
GP-12	2003-01-03	6	.	3	.	0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)

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R97 10 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/10\\_series](http://www.3gpp.org/ftp/Specs/archive/10_series)

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**TR 10.02 Guidelines for the modification of the Mobile Application Part (MAP) in phase 2+**

R97 *current version:* 6.1.0 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* smg-26 G: yes U: *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

smg-28	1999-02-12	6	.	0	.	0
NP-05	1999-10-08	6	.	1	.	0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #28: 6.0.0 TSG#5:6.1.0

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## TS 11.10-1 Mobile station (MS) conformance specification; Part 1: Conformance specification

R97 *current version:* 6.4.0 *WG (prime / other):* G3new/ S1 / rapporteur: SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* smg-26 NP / T2 / SCP

G: yes U: MCC: CLAYTON, Michael

*history (event, available, version, comments):*

smg-28 1999-02-12 6 . 0 . 0  
smg-29 1999-06-25 6 . 1 . 0  
5 equivalent. 2001-11-19: G4->G5.  
smg-30 1999-11-11 6 . 2 . 0  
smg-31 2000-02-16 6 . 3 . 0  
Editorial correction 2000-02-16 6 . 3 . 1  
GP-06 2001-09-06 6 . 4 . 0

[get it](#) *remarks - general:* R99 version now serves all releases. Earlier releases closed.. Subsequently replaced  
[get it](#) *remarks - this release:* #31bis: closed (R99 version serves all releases) GP-06: Rel-4 serves all releases. by Rel-  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 11.10-4 Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification

R97 *current version:* 6.0.0 *WG (prime / other):* T3 / G2, rapporteur: SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* smg-26 G3new

G: yes U: MCC: JURISIC, Andrijana

*history (event, available, version, comments):*

GP-13 2003-02-21 6 . 0 . 0  
withdraw the R96 version, since the R99 version

[get it](#) *remarks - general:* TP-17: T3 proposes to take over this spec from G5, and to approve a new R99 version  
*remarks - this release:* GP-13: doc becomes pointer to latest Rel version. not derived from R96 by CR; also to  
will cover all previous Releases. TP-20: accepted by T3 (from G4).

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## TS 11.11 Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface

R97 *current version:* 6.3.0 *WG (prime / other):* T3 / - rapporteur: GUTHERY, Scott B. Mobile-Mind Inc.  
*freeze\_meeting:* smg-32 G: yes U: MCC: JURISIC, Andrijana

*history (event, available, version, comments):*

smg-25 1998-03-20 6 . 0 . 0  
smg-26 1998-06-26 6 . 1 . 0  
smg-28 1999-02-12 6 . 2 . 0  
smg-31 2000-02-16 6 . 3 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #32:frozen  
[get it](#)  
[get it](#)

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Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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**TS 11.14 Specification of the SIM Application Toolkit (SAT) for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface**  
R97 *current version:* 6.3.0 *WG (prime / other):* T3 / - *rapporteur:* WOODSEND, Kristian Indicate persons who left Company and wait for new One  
*freeze\_meeting:* smg-26  
G: yes U: *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*

smg-25	1998-03-20	6	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-26	1998-06-26	6	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> (smg-31:6.4.0 but CR later withdrawn)
smg-27	1998-10-16	6	.	2	.	0	<a href="#">get it</a>
smg-28	1999-02-12	6	.	3	.	0	<a href="#">get it</a>

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**TS 11.26 Base Station System (BSS) equipment specification; Part 4: Repeaters**  
R97 *current version:* 6.0.1 *WG (prime / other):* G1 / - *rapporteur:* VACANT, USAI, Paolino  
*freeze\_meeting:* smg-26  
G: yes U: *MCC:* USAI, Paolino

*history (event, available, version, comments):*

GP-09	2002-05-06	6	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
edito (correction of version on cover)	2002-06-18	6	.	0	.	1	<a href="#">get it</a> <i>remarks - this release:</i> GP-09 (Usai) created to fill the Release gap.

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R97 12 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

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**TS 12.05 Subscriber Related Call and Event Data**  
R97 *current version:* 6.1.0 *WG (prime / other):* S5 / S1 *rapporteur:* ALEXANDER, Benni NOKIA Corporation  
*freeze\_meeting:* smg-26  
G: yes U: *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

smg-27	1998-10-16	6	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-28	1999-02-12	6	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>

G = required in systems with GERAN acces; U = required in systems with UMTS access.



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ACTIVE specs R97 12 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

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<b>TS 12.11</b>	<b>Fault management of the Base Station System (BSS)</b>								
R97	<i>current version:</i> 6.3.0	<i>WG (prime / other):</i>	S5	/ S1 /	<i>rapporteur:</i>	TOVINGER, Thomas	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> smg-26			GP					
	<i>history (event, available, version, comments):</i>	<i>G: yes</i>	<i>U:</i>		<i>MCC:</i>	ZOICAS, Adrian			
	smg-26 1998-06-26 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-27 1998-10-16 6 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>				
	smg-28 1999-02-12 6 . 2 . 0			<a href="#">get it</a>					
	smg-29 1999-06-25 6 . 3 . 0			<a href="#">get it</a>					

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<b>TS 12.15</b>	<b>General Packet Radio Service (GPRS); GPRS Charging</b>								
R97	<i>current version:</i> 6.3.0	<i>WG (prime / other):</i>	S5	/ -	<i>rapporteur:</i>	ALEXANDER, Benni	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-26	<i>G: yes</i>	<i>U:</i>		<i>MCC:</i>	ZOICAS, Adrian			
	<i>history (event, available, version, comments):</i>			<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-27 1998-10-16 6 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>				
	smg-28 1999-02-12 6 . 2 . 0			<a href="#">get it</a>					
	SP-18 2003-01-07 6 . 3 . 0			<a href="#">get it</a>					

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<b>TS 12.21</b>	<b>Network Management (NM) procedures and messages on the A-bis interface</b>								
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i>	G1	/ S5	<i>rapporteur:</i>	TRUSS, Michael	MOTOROLA Ltd		
	<i>freeze_meeting:</i> smg-26	<i>G: yes</i>	<i>U:</i>		<i>MCC:</i>	USAI, Paolino			
	<i>history (event, available, version, comments):</i>			<a href="#">get it</a>	<i>remarks - general:</i>	SP-13: S5->G3 but no change of rapporteur.			
	GP-09 2002-05-06 6 . 0 . 0				<i>remarks - this release:</i>	GP-09 (Usai) created to fill the Release gap.			

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## R96

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01 .- series

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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ACTIVE specs R96 01 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/01\\_series](http://www.3gpp.org/ftp/Specs/archive/01_series)

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<b>TS 01.01</b>	<b>Technical Specifications and Technical Reports for a GERAN-based 3GPP system</b>								
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	SP / -	<i>rapporteur:</i>	MEREDITH, John M	ETSI Secretariat			
	<i>freeze_meeting:</i>	G: yes	U:	<i>MCC:</i>	POPE, Maurice				
	<i>history (event, available, version, comments):</i>								
	SP-20 2003-06-25 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	post-SP-19: title changed from "GSM Release 1999 Specifications" to cater for			
					<i>remarks - this release:</i>	. backwards extension to earlier releases.			
<hr/>									
<b>TS 01.02</b>	<b>General Description of a GSM Public Land Mobile Network (PLMN)</b>								
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S1 / GP / NP	<i>rapporteur:</i>	CLAYTON, Michael	EMCOM Ltd			
	<i>freeze_meeting:</i> smg-22	G: yes	U:	<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	smg-17 1996-02-02 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>				
<hr/>									
<b>TR 01.04</b>	<b>Abbreviations and acronyms</b>								
R96	<i>current version:</i> 5.0.2	<i>WG (prime / other):</i>	GP / -	<i>rapporteur:</i>	CLAYTON, Michael	EMCOM Ltd			
	<i>freeze_meeting:</i> smg-22	G: yes	U:	<i>MCC:</i>	USAI, Paolino				
	<i>history (event, available, version, comments):</i>								
	smg-17 1996-02-02 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-20 1996-10-11 5 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i>				
	ETSI publication 2001-10-30 5 . 0 . 2			<a href="#">get it</a>					
<hr/>									
<b>TS 01.48</b>	<b>ISDN-based DECT/GSM interworking; Feasibility study</b>								
R96	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	MEYER, Juergen	SIEMENS AG			
	<i>freeze_meeting:</i> smg-22	G: yes	U:	<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	smg-19 1996-06-28 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-20 1996-11-11 5 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i>				

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02 .- series

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<b>TS 02.01</b>	<b>Principles of telecommunication services supported by a GSM Public Land Mobile Network (PLMN)</b>						
R96	<i>current version:</i> 5.5.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> KOKKOLA, Tommi	NOKIA Corporation			
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>						
	smg-16 1995-10-20	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-17 1996-02-02	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-20 1996-10-11	5 . 2 . 0	<a href="#">get it</a>				
	smg-24 1997-12-19	5 . 3 . 0	<a href="#">get it</a>				
	smg-26 1998-06-26	5 . 4 . 0	<a href="#">get it</a>				
	smg-29 1999-06-25	5 . 5 . 0	<a href="#">get it</a>				

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<b>TS 02.02</b>	<b>Bearer Services (BS) Supported by a GSM Public Land Mobile Network (PLMN)</b>						
R96	<i>current version:</i> 5.3.2	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CARPENTER, Paul	Research In Motion Limited			
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>						
	smg-16 1995-10-20	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-18 1996-04-12	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-20 1996-10-11	5 . 2 . 0	<a href="#">get it</a>				
	ETSI publication 1997-05-02	5 . 2 . 1	<a href="#">get it</a>				
	smg-22 1997-06-13	5 . 3 . 0	<a href="#">get it</a>				
	ETSI OAP 1997-07-21	5 . 3 . 1	<a href="#">get it</a>				
	ETSI publication 1997-12-31	5 . 3 . 2	<a href="#">get it</a>				

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<b>TS 02.03</b>	<b>Teleservices Supported by a GSM Public Land Mobile Network (PLMN)</b>						
R96	<i>current version:</i> 5.3.2	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> KOKKOLA, Tommi	NOKIA Corporation			
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>						
	smg-17 1997-02-02	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-19 1996-06-28	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-20 1996-10-11	5 . 1 . 1	<a href="#">get it</a>				
	ETSI publication 1997-05-02	5 . 1 . 2	<a href="#">get it</a>				
	smg-21 1997-02-14	5 . 2 . 0	<a href="#">get it</a>				
	ETSI publication 1997-08-26	5 . 2 . 1	<a href="#">get it</a>				
	smg-22 1997-06-13	5 . 3 . 0	<a href="#">get it</a>				
	ETSI OAP 1997-07-21	5 . 3 . 1	<a href="#">get it</a>				
	ETSI publication 1998-01-14	5 . 3 . 2	<a href="#">get it</a>				

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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## TS 02.04 General on Supplementary Services

R96 *current version:* 5.7.4 *WG (prime / other):* S1 / - *rapporteur:* CARPENTER, Paul Research In Motion Limited  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

smg-16	1995-10-20	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-17	1996-02-02	5	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
smg-18	1996-04-14	5	.	2	.	0	<a href="#">get it</a>	
smg-19	1996-06-28	5	.	3	.	0	<a href="#">get it</a>	
smg-20	1996-10-11	5	.	4	.	0	<a href="#">get it</a>	
ETSI publication	1997-05-02	5	.	4	.	1	<a href="#">get it</a>	
smg-21	1997-02-14	5	.	5	.	0	<a href="#">get it</a>	
ETSI publication	1997-08-28	5	.	5	.	1	<a href="#">get it</a>	
smg-22	1997-06-13	5	.	6	.	0	<a href="#">get it</a>	
ETSI OAP	1997-09-19	5	.	6	.	1	<a href="#">get it</a>	
ETSI publication	1998-02-27	5	.	6	.	2	<a href="#">get it</a>	
smg-23	1997-10-17	5	.	7	.	0	<a href="#">get it</a>	
smg-25	1998-03-20	5	.	7	.	1	<a href="#">get it</a>	
ETSI publication	1998-02-01	5	.	7	.	2	<a href="#">get it</a>	
smg-29	1999-06-25	5	.	7	.	3	<a href="#">get it</a>	
ETSI publication	1999-12-29	5	.	7	.	4	<a href="#">get it</a>	

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## TS 02.06 Types of Mobile Stations (MS)

R96 *current version:* 5.2.1 *WG (prime / other):* S1 / - *rapporteur:* WATSON, John VODAFONE Group Plc  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

smg-20	1996-10-11	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
ETSI publication	1997-05-02	5	.	0	.	1	<a href="#">get it</a>	<i>remarks - this release:</i>
smg-21	1997-02-14	5	.	1	.	0	<a href="#">get it</a>	
ETSI publication	1997-08-26	5	.	1	.	1	<a href="#">get it</a>	
smg-28	1999-02-12	5	.	2	.	0	<a href="#">get it</a>	
ETSI publication	1999-08-04	5	.	2	.	1	<a href="#">get it</a>	

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 02.07</b>	<b>Mobile Station (MS) Features</b>						
R96	<i>current version:</i> 5.4.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> WATSON, John	VODAFONE Group Plc			
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>						
	smg-17 1996-02-02 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-18 1996-04-12 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-20 1996-10-11 5 . 2 . 0		<a href="#">get it</a>				
	ETSI publication 1997-05-02 5 . 2 . 1		<a href="#">get it</a>				
	smg-22 1997-06-13 5 . 3 . 0		<a href="#">get it</a>				
	ETSI OAP 1997-07-21 5 . 3 . 1		<a href="#">get it</a>				
	ETSI publication 1997-12-31 5 . 3 . 2		<a href="#">get it</a>				
	smg-24 1997-12-19 5 . 4 . 0		<a href="#">get it</a>				
	ETSI publication 1998-06-17 5 . 4 . 1		<a href="#">get it</a>				

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<b>TS 02.09</b>	<b>Security aspects</b>						
R96	<i>current version:</i> 5.2.1	<i>WG (prime / other):</i> S3 / S1 / NP	<i>rapporteur:</i>	CHRISTOFFERSSON, Per	TeliaSonera AB		
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice				
	<i>history (event, available, version, comments):</i>						
	smg-20 1996-10-11 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication 1997-05-02 5 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-22 1997-06-13 5 . 1 . 0		<a href="#">get it</a>				
	edito 1997-12-08 5 . 1 . 1		<a href="#">get it</a>				
	smg-31 2000-02-16 5 . 2 . 0		<a href="#">get it</a>				
	ETSI publication 2000-08-29 5 . 2 . 1		<a href="#">get it</a>				

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<b>TS 02.11</b>	<b>Service accessibility</b>						
R96	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> IBIDUN, Kunle	ORANGE PCS LTD			
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>						
	smg-20 1996-10-11 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication 1997-05-02 5 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>			

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<b>TS 02.16</b>	<b>International Mobile Station Equipment Identities (IMEI)</b>					
R96	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> KOKKOLA, Tommi	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-30 1999-11-11 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-08 2000-06-23 5 . 2 . 0		<a href="#">get it</a>			
<hr/>						
<b>TS 02.17</b>	<b>Subscriber Identity Module (SIM); Functional characteristics</b>					
R96	<i>current version:</i> 5.1.1	<i>WG (prime / other):</i> T3 / S1	<i>rapporteur:</i> HOOKER, Philip	ORANGE PCS LTD		
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> JURISIC, Andrijana			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI publication 1997-05-02 5 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-27 1998-10-16 5 . 1 . 0		<a href="#">get it</a>			
	ETSI publication 1999-04-08 5 . 1 . 1		<a href="#">get it</a>			
<hr/>						
<b>TS 02.22</b>	<b>Stage 1 for personalisation of GSM ME</b>					
R96	<i>current version:</i> 5.4.0	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> POIRAUD, Patrick	ALCATEL S.A.		
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-17 1996-02-02 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-19 1996-06-28 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-20 1996-10-11 5 . 2 . 0		<a href="#">get it</a>			
	smg-23 1997-10-17 5 . 3 . 0		<a href="#">get it</a>			
	smg-25 1998-03-20 5 . 3 . 1		<a href="#">get it</a>			
	smg-26 1998-06-26 5 . 4 . 0		<a href="#">get it</a>			
<hr/>						
<b>TS 02.24</b>	<b>Description of Charge Advice Information (CAI)</b>					
R96	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> DEOL, Amar	Nortel Networks (USA)		
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI publication 1997-05-02 5 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>		

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## TS 02.30 Man-machine Interface (MMI) of the Mobile Station (MS)

R96 *current version:* 5.7.1 *WG (prime / other):* S1 / *rapporteur:* JEAL, David VODAFONE Group Plc  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

smg-16	1995-10-20	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-17	1996-02-02	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
smg-18	1996-04-12	5	.	2	.	0	<a href="#">get it</a>
smg-19	1996-06-28	5	.	3	.	0	<a href="#">get it</a>
smg-20	1996-10-11	5	.	3	.	1	<a href="#">get it</a>
ETSI publication	1997-05-02	5	.	3	.	2	<a href="#">get it</a>
smg-21	1997-02-14	5	.	4	.	0	<a href="#">get it</a>
ETSI publication	1997-08-26	5	.	4	.	1	<a href="#">get it</a>
smg-22	1997-06-13	5	.	5	.	0	<a href="#">get it</a>
ETSI OAP	1997-09-19	5	.	5	.	1	<a href="#">get it</a>
ETSI publication	1998-02-27	5	.	5	.	2	<a href="#">get it</a>
smg-23	1997-10-17	5	.	6	.	0	<a href="#">get it</a>
edito	1998-01-06	5	.	6	.	1	<a href="#">get it</a>
smg-24	1997-12-19	5	.	6	.	2	<a href="#">get it</a>
smg-28	1999-02-12	5	.	7	.	0	<a href="#">get it</a>
ETSI publication	1999-08-04	5	.	7	.	1	<a href="#">get it</a>

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## TS 02.34 High Speed Circuit Switched Data (HSCSD); Stage 1

R96 *current version:* 5.2.1 *WG (prime / other):* S1 / *rapporteur:* KOKKOLA, Tommi NOKIA Corporation  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

draft	1995-10-31	0	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
draft	1996-02-13	0	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
draft	1996-06-19	0	.	2	.	0	<a href="#">get it</a>
draft	1996-02-13	0	.	5	.	0	<a href="#">get it</a>
smg-20	1996-10-09	5	.	0	.	0	<a href="#">get it</a>
ETSI publication	1996-11-28	5	.	0	.	1	<a href="#">get it</a>
smg-21	1997-02-14	5	.	1	.	0	<a href="#">get it</a>
smg-22	1997-06-13	5	.	2	.	0	<a href="#">get it</a>
ETSI publication	1997-08-04	5	.	2	.	1	<a href="#">get it</a>

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<b>TS 02.40</b>	<b>Procedures for Call Progress Indications</b>					
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S1 / NP	<i>rapporteur:</i>	DEOL, Amar	Nortel Networks (USA)
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	
<hr/>						
<b>TS 02.41</b>	<b>Operator Determined Barring</b>					
R96	<i>current version:</i> 5.1.1	<i>WG (prime / other):</i>	S1 /	<i>rapporteur:</i>	WATSON, John	VODAFONE Group Plc
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
	smg-16 1995-10-20 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-21 1997-02-14 5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-24 1997-12-19 5 . 1 . 1			<a href="#">get it</a>		
<hr/>						
<b>TS 02.42</b>	<b>Network Identity and Timezone (NITZ); Service Description, Stage 1</b>					
R96	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i>	S1 /	<i>rapporteur:</i>	CLAYTON, Michael	EMCOM Ltd
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
	smg-19 1996-06-28 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	edito 1996-10-08 5 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-24 1997-12-19 5 . 1 . 0			<a href="#">get it</a>		
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<b>TS 02.63</b>	<b>Packet Data on Signalling channels Service (PDS); Stage 1</b>					
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	HECHWARTNER, Roland	T-Mobile AUSTRIA GmbH
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version, comments):</i>					
	smg-19 1996-06-28 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	

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## TS 02.67 Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 1

R96 *current version:* 5.1.1 *WG (prime / other):* S1 / - *rapporteur:* SWETINA, Joerg SIEMENS AG  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

smg-16	1995-10-20	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-19	1996-06-28	5	.	0	.	1	<a href="#">get it</a> <i>remarks - this release:</i>
smg-20	1996-10-11	5	.	0	.	2	<a href="#">get it</a>
ETSI publication	1997-06-03	5	.	0	.	3	<a href="#">get it</a>
smg-22	1997-06-13	5	.	0	.	4	<a href="#">get it</a>
edito	1997-12-05	5	.	0	.	5	<a href="#">get it</a>
smg-29	1999-06-25	5	.	1	.	0	<a href="#">get it</a>
ETSI publication	1999-12-29	5	.	1	.	1	<a href="#">get it</a>

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## TS 02.68 Voice Group Call Service (VGCS); Stage 1

R96 *current version:* 5.2.1 *WG (prime / other):* S1 / - *rapporteur:* CLAYTON, Michael EMCOM Ltd  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

smg-16	1995-10-20	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-17	1996-02-02	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
smg-20	1996-10-11	5	.	1	.	1	<a href="#">get it</a>
smg-21	1997-02-14	5	.	1	.	2	<a href="#">get it</a>
smg-22	1997-06-13	5	.	1	.	3	<a href="#">get it</a>
smg-26	1998-06-26	5	.	2	.	0	<a href="#">get it</a>
publish ETS 300 925	1998-12-01	5	.	2	.	1	<a href="#">get it</a>

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## TS 02.69 Voice Broadcast Service (VBS); Stage 1

R96 *current version:* 5.2.1 *WG (prime / other):* S1 / - *rapporteur:* CLAYTON, Michael EMCOM Ltd  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

smg-16	1995-10-20	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-17	1996-02-02	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release: #16: 5.0.0 #17: 5.1.0 #20: 5.1.1 #21: 5.1.2 #22: 5.1.3 #26: 5.2.0</i>
smg-20	1996-10-11	5	.	1	.	1	<a href="#">get it</a>
smg-21	1997-02-14	5	.	1	.	2	<a href="#">get it</a>
smg-22	1997-06-13	5	.	1	.	3	<a href="#">get it</a>
smg-26	1998-06-26	5	.	2	.	0	<a href="#">get it</a>
ETSI publication	1998-12-01	5	.	2	.	1	<a href="#">get it</a>

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<b>TS 02.78</b>	<b>Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)</b>					
R96	<i>current version:</i> 5.6.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> GRECH, Michel	Lucent Technologies Network Systems UK		
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-19 1996-06-28 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-20 1996-10-11 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-21 1997-02-14 5 . 1 . 1		<a href="#">get it</a>			
	smg-22 1997-06-13 5 . 2 . 0		<a href="#">get it</a>			
	smg-23 1997-10-17 5 . 3 . 0		<a href="#">get it</a>			
	smg-24 1997-12-19 5 . 4 . 0		<a href="#">get it</a>			
	smg-26 1998-06-26 5 . 5 . 0		<a href="#">get it</a>			
	smg-28 1999-02-12 5 . 6 . 0		<a href="#">get it</a>			

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<b>TS 02.79</b>	<b>Support of Optimal Routeing (SOR); Service definition (Stage 1)</b>					
R96	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-19 1996-06-28 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-20 1996-10-11 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #19: 5.0.0 #20: 5.1.0 #28: 5.2.0		
	smg-28 1999-02-12 5 . 2 . 0		<a href="#">get it</a>			

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<b>TS 02.81</b>	<b>Line Identification Supplementary Services; Stage 1</b>					
R96	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> BLOMSTRAND, Ola	TeliaSonera AB		
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-24 1997-12-19 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0 #24: 5.1.0		

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<b>TS 02.82</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 1</b>					
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> IBIDUN, Kunle	ORANGE PCS LTD		
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-16 1995-10-20 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i> #16: 5.0.0		

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<b>TS 02.83</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1</b>					
R96	current version: 5.0.0	WG (prime / other):	S1 / -	rapporteur:	CLAYTON, Michael	EMCOM Ltd
	freeze_meeting: smg-22	G: yes U:		MCC:	CLAYTON, Michael	
	history (event, available, version, comments):					
	smg-20 1996-10-11 5 . 0 . 0					
				<a href="#">get it</a>	remarks - general:	
					remarks - this release: #20: 5.0.0	
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<b>TS 02.84</b>	<b>MultiParty (MPY) Supplementary Services; Stage 1</b>					
R96	current version: 5.0.0	WG (prime / other):	S1 / -	rapporteur:	SWETINA, Joerg	SIEMENS AG
	freeze_meeting: smg-22	G: yes U:		MCC:	CLAYTON, Michael	
	history (event, available, version, comments):					
	smg-20 1996-10-11 5 . 0 . 0					
				<a href="#">get it</a>	remarks - general:	
					remarks - this release: #20: 5.0.0	
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<b>TS 02.85</b>	<b>Closed User Group (CUG) Supplementary Services; Stage 1</b>					
R96	current version: 5.0.0	WG (prime / other):	S1 / -	rapporteur:	BLOMSTRAND, Ola	TeliaSonera AB
	freeze_meeting: smg-22	G: yes U:		MCC:	CLAYTON, Michael	
	history (event, available, version, comments):					
	smg-20 1996-10-11 5 . 0 . 0					
				<a href="#">get it</a>	remarks - general:	
					remarks - this release: #20: 5.0.0	
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<b>TS 02.86</b>	<b>Advice of Charge (AoC) Supplementary Services; Stage 1</b>					
R96	current version: 5.0.0	WG (prime / other):	S1 / -	rapporteur:	DEOL, Amar	Nortel Networks (USA)
	freeze_meeting: smg-22	G: yes U:		MCC:	CLAYTON, Michael	
	history (event, available, version, comments):					
	smg-20 1996-10-11 5 . 0 . 0					
				<a href="#">get it</a>	remarks - general:	
					remarks - this release: #20: 5.0.0	
<hr/>						
<b>TS 02.88</b>	<b>Call Barring (CB) Supplementary Services; Stage 1</b>					
R96	current version: 5.0.0	WG (prime / other):	S1 / -	rapporteur:	ACHTER, Johannes	T-Mobile AUSTRIA GmbH
	freeze_meeting: smg-22	G: yes U:		MCC:	CLAYTON, Michael	
	history (event, available, version, comments):					
	smg-20 1996-10-11 5 . 0 . 0					
				<a href="#">get it</a>	remarks - general:	
					remarks - this release: #20: 5.0.0	

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**TS 02.90 Unstructured Supplementary Service Data (USSD); Stage 1**

R96 *current version:* 5.1.0 *WG (prime / other):* S1 / - *rapporteur:* IGNATIUS, Jan NOKIA Corporation  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
smg-20 1996-10-11 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-21 1997-02-14 5 . 1 . 0 [get it](#) *remarks - this release:* #20: 5.0.0 #21: 5.1.0

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**TS 02.91 Explicit Call Transfer (ECT)**

R96 *current version:* 5.1.1 *WG (prime / other):* S1 / - *rapporteur:* SWETINA, Joerg SIEMENS AG  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
smg-16 1996-10-20 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-17 1996-02-02 5 . 0 . 1 [get it](#) *remarks - this release:* #16: 5.0.0 #17: 5.0.1 #19: 5.1.0 #21: 5.1.1  
smg-19 1996-06-28 5 . 1 . 0 [get it](#)  
smg-21 1997-02-14 5 . 1 . 1 [get it](#)

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**TS 02.95 Support of Private Numbering Plan (SPNP); Service description; Stage 1**

R96 *current version:* 5.2.0 *WG (prime / other):* S1 / - *rapporteur:* CLAYTON, Michael EMCOM Ltd  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
smg-16 1995-10-20 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-18 1996-04-12 5 . 1 . 0 [get it](#) *remarks - this release:* #16: 5.0.0 #18: 5.1.0 #19: 5.2.0  
smg-19 1996-06-28 5 . 2 . 0 [get it](#)

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**TS 03.01 Network Functions**

R96 *current version:* 5.1.0 *WG (prime / other):* S2 / NP *rapporteur:* GAASVIK, Per-Ola COMVIQ GSM AB  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* YOON, Sang-Ui  
*history (event, available, version, comments):*  
smg-17 1996-02-02 5 . 0 . 0 [get it](#) *remarks - general:* SMG3->SA2 @ TSG#7  
smg-18 1996-04-12 5 . 1 . 0 [get it](#) *remarks - this release:* #17: 5.0.0 #18: 5.1.0

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<b>TS 03.02</b>	<b>Network Architecture</b>				
R96	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> S2 / NP / T2	<i>rapporteur:</i>	MILINSKI, AlexanderSIEMENS AG	
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC:	YOON, Sang-Ui	
	<i>history (event, available, version, comments):</i>				
	smg-17 1996-02-02 5 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	
	smg-18 1996-04-12 5 . 1 . 0	<a href="#">get it</a>		<i>remarks - this release:</i> #17: 5.0.0 #18: 5.1.0 #23: 5.2.0 #24: 5.3.0	
	smg-23 1997-10-17 5 . 2 . 0	<a href="#">get it</a>			
	smg-24 1997-12-19 5 . 3 . 0	<a href="#">get it</a>			

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<b>TS 03.03</b>	<b>Numbering, Addressing and Identification</b>				
R96	<i>current version:</i> 5.5.0	<i>WG (prime / other):</i> N4 / T2	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE LTD	
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC:	KYMALAINEN, Kimmo	
	<i>history (event, available, version, comments):</i>				
	smg-17 5 . 0 . 0			<i>remarks - general:</i>	
	ETSI OAP 1996-11-25 5 . 0 . 1	<a href="#">get it</a>		<i>remarks - this release:</i>	
	ETSI publication 1997-05-02 5 . 0 . 2	<a href="#">get it</a>			
	smg-25 1998-03-20 5 . 1 . 0	<a href="#">get it</a>			
	ETSI publication 1998-10-23 5 . 1 . 1	<a href="#">get it</a>			
	smg-29 1999-05-26 5 . 2 . 0	<a href="#">get it</a>			
	ETSI publication 1999-11-22 5 . 2 . 1	<a href="#">get it</a>			
	NP-07 2000-03-15 5 . 3 . 0	<a href="#">get it</a>			
	ETSI publication 2000-11-15 5 . 3 . 1	<a href="#">get it</a>			
	NP-08 2000-06-21 5 . 4 . 0	<a href="#">get it</a>			
	ETSI publication 2001-01-04 5 . 4 . 1	<a href="#">get it</a>			
	NP-21 2003-10-09 5 . 5 . 0	<a href="#">get it</a>			

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<b>TR 03.05</b>	<b>Technical performance objectives</b>				
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> NP / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat	
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC:	BOSWARTHICK, David	
	<i>history (event, available, version, comments):</i>				
	smg-20 1996-10-11 5 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	
				<i>remarks - this release:</i> #20: 5.0.0	

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<b>TS 03.07</b>	<b>Restoration Procedures</b>								
R96	<i>current version:</i> 5.1.0		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David	VODAFONE LTD				
	<i>freeze_meeting:</i> smg-22			Chalmers					
	<i>history (event, available, version, comments):</i>		<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo					
	smg-20 1996-10-11 5 . 0 . 0						<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-23 1997-10-17 5 . 1 . 0						<a href="#">get it</a>	<i>remarks - this release:</i>	
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<b>TS 03.08</b>	<b>Organization of Subscriber Data</b>								
R96	<i>current version:</i> 5.2.0		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> BAUER, Rolf	ALCATEL SEL AG				
	<i>freeze_meeting:</i> smg-22		<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo					
	<i>history (event, available, version, comments):</i>								
	smg-18 1996-04-12 5 . 0 . 0						<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-21 1997-02-14 5 . 1 . 0						<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-23 1997-10-17 5 . 2 . 0						<a href="#">get it</a>		
<hr/>									
<b>TS 03.09</b>	<b>Handover Procedures</b>								
R96	<i>current version:</i> 5.1.0		<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> FARHOUMAND, Rouzbeh	Ericsson Incorporated				
	<i>freeze_meeting:</i> smg-22		<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan					
	<i>history (event, available, version, comments):</i>								
	smg-18 1996-04-12 5 . 0 . 0						<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-22 1997-06-13 5 . 1 . 0						<a href="#">get it</a>	<i>remarks - this release:</i> #18: 5.0.0 #22: 5.1.0	
<hr/>									
<b>TS 03.10</b>	<b>GSM Public Land Mobile Network (PLMN) Connection Types</b>								
R96	<i>current version:</i> 5.4.0		<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat				
	<i>freeze_meeting:</i> smg-22		<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David					
	<i>history (event, available, version, comments):</i>								
	smg-16 1995-10-20 5 . 0 . 0						<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-21 1997-02-14 5 . 1 . 0						<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-22 1997-06-13 5 . 2 . 0						<a href="#">get it</a>		
	smg-23 1997-10-17 5 . 3 . 0						<a href="#">get it</a>		
	smg-24 1997-12-19 5 . 4 . 0						<a href="#">get it</a>		

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<b>TS 03.11</b>	<b>Technical Realization of Supplementary Services - General Aspects</b>					
R96	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> HABERMANN, Steffen	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI publication 1997-06-03 5 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>		
<hr/>						
<b>TS 03.12</b>	<b>Location Registration Procedures</b>					
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB		
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i> #20: 5.0.0		
<hr/>						
<b>TS 03.13</b>	<b>Discontinuous Reception (DRX) in the GSM System</b>					
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-17 1996-02-02 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i> #17: 5.0.0		
<hr/>						
<b>TS 03.14</b>	<b>Support of Dual Tone Multi-Frequency Signalling (DTMF) via the GSM System</b>					
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> ZAUS, Robert	SIEMENS AG		
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i> #20: 5.0.0		
<hr/>						
<b>TS 03.15</b>	<b>Technical Realization of Operator Determined Barring</b>					
R96	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David	VODAFONE LTD		
	<i>freeze_meeting:</i> smg-22	G: yes U:	Chalmers			
	<i>history (event, available, version, comments):</i>		<i>MCC:</i> KYMALAINEN, Kimmo			
	smg-16 1995-10-20 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-21 1997-02-14 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #16: 5.0.0 #21: 5.1.0		

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<b>TS 03.16</b>	<b>Subscriber Data Management</b>								
R96	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software					
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo						
	<i>history (event, available, version, comments):</i>								
	smg-18 1996-04-12 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>					
	smg-21 1997-02-14 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #18: 5.0.0 #21: 5.1.0 #23: 5.2.0 #26: 5.3.0					
	smg-23 1997-10-17 5 . 2 . 0		<a href="#">get it</a>						
	smg-26 1998-06-26 5 . 3 . 0		<a href="#">get it</a>						

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<b>TS 03.18</b>	<b>Basic Call Handling</b>								
R96	<i>current version:</i> 5.6.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David	VODAFONE LTD					
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo	Chalmers					
	<i>history (event, available, version, comments):</i>								
	smg-21 1997-02-14 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>					
	smg-22 1997-06-13 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>					
	smg-23 1997-10-17 5 . 2 . 0		<a href="#">get it</a>						
	smg-24 1997-12-19 5 . 3 . 0		<a href="#">get it</a>						
	smg-25 1998-03-20 5 . 4 . 0		<a href="#">get it</a>						
	smg-26 1998-06-26 5 . 5 . 0		<a href="#">get it</a>						
	smg-27 1998-10-16 5 . 6 . 0		<a href="#">get it</a>						

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<b>TS 03.20</b>	<b>Security-related Network Functions</b>								
R96	<i>current version:</i> 5.2.1	<i>WG (prime / other):</i> S3 / NP / GP	<i>rapporteur:</i> NGUYEN NGOC, Sebastien	France Telecom					
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice						
	<i>history (event, available, version, comments):</i>								
	smg-20 1996-10-11 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>					
	smg-21 1997-02-14 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> SMG#29: CRs but postponed, then forgotten!					
	smg-23 1997-10-17 5 . 2 . 0		<a href="#">get it</a>						
	smg-29 1999-06-25 5 . 2 . 1		<a href="#">get it</a>						

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<b>TS 03.22</b>	<b>Functions related to Mobile Station (MS) in idle mode and group receive mode</b>						
R96	<i>current version:</i> 5.3.1	<i>WG (prime / other):</i>	G1 / N1	<i>rapporteur:</i>	ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-22				Skov		
		<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	smg-20 1996-10-11	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Moved from SMG3 Jan 2000. Moved from G2 Mar 2001. 2001-07: title grows "and		
	ETSI publication 1997-06-03	5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>	group receive mode".		
	smg-21 1997-02-14	5 . 1 . 0	<a href="#">get it</a>				
	ETSI publication 1997-09-15	5 . 1 . 1	<a href="#">get it</a>				
	smg-22 1997-06-13	5 . 2 . 0	<a href="#">get it</a>				
	ETSI publication 1997-12-31	5 . 2 . 1	<a href="#">get it</a>				
	smg-26 1998-06-26	5 . 3 . 0	<a href="#">get it</a>				
	ETSI publication 1998-12-10	5 . 3 . 1	<a href="#">get it</a>				

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<b>TR 03.26</b>	<b>Multiband operation of GSM/DCS 1800 by a single operator</b>						
R96	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i>	G1 / NP	<i>rapporteur:</i>	ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-22				Skov		
		<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	smg-20 1996-10-11	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-22 1997-06-13	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-23 1997-10-17	5 . 2 . 0	<a href="#">get it</a>				

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<b>TR 03.30</b>	<b>Radio Network Planning Aspects</b>						
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	GP / -	<i>rapporteur:</i>	TEGTH, Ulf	TeliaSonera AB	
	<i>freeze_meeting:</i> smg-22				USAI, Paolino		
	<i>history (event, available, version, comments):</i>						
	smg-20 1996-10-11	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
				<i>remarks - this release:</i>	#20: 5.0.0		

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<b>TS 03.32</b>	<b>Universal Geographical Area Description (GAD)</b>						
R96	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i>	S2 / -	<i>rapporteur:</i>	SULTAN, Alain	SOURCE COM	
	<i>freeze_meeting:</i> smg-22				YOON, Sang-Ui		
	<i>history (event, available, version, comments):</i>						
	smg-23 1997-10-17	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-26 1998-06-26	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-27 1998-10-16	5 . 2 . 0	<a href="#">get it</a>				

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<b>TS 03.34</b>	<b>High Speed Circuit Switched Data (HSCSD); Stage 2</b>				
R96	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> KOKKOLA, Tommi	NOKIA Corporation	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>				
	smg-21 1997-02-14 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-26 1998-06-26 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #21: 5.0.0 #26: 5.1.0 #28: 5.2.0	
	smg-28 1999-02-12 5 . 2 . 0		<a href="#">get it</a>		
<hr/>					
<b>TS 03.38</b>	<b>Alphabets and language-specific information</b>				
R96	<i>current version:</i> 5.6.1	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Research In Motion Limited	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> RODERMUND, Friedhelm		
	<i>history (event, available, version, comments):</i>				
	smg-16 1995-10-20 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-17 1996-02-02 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #16: 5.0.0 #17: 5.1.0 #18: 5.2.0 #19: 5.3.0 #20: 5.4.0 #21: 5.5.0 #22: 5.6.0	
	smg-18 1996-04-12 5 . 2 . 0		<a href="#">get it</a>		
	smg-19 1996-06-28 5 . 3 . 0		<a href="#">get it</a>		
	smg-20 1996-10-11 5 . 4 . 0		<a href="#">get it</a>		
	ETSI publication				
	smg-21 1997-02-14 5 . 5 . 0		<a href="#">get it</a>		
	ETSI publication				
	smg-22 1997-06-13 5 . 6 . 0		<a href="#">get it</a>		
	Editorial correction 1997-07-13 5 . 6 . 1		<a href="#">get it</a>		
<hr/>					
<b>TS 03.40</b>	<b>Technical realization of the Short Message Service (SMS)</b>				
R96	<i>current version:</i> 5.8.1	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Research In Motion Limited	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> RODERMUND, Friedhelm		
	<i>history (event, available, version, comments):</i>				
	smg-16 1995-10-20 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> 2003-12-03: Note that this spec also contains stage 3.	
	smg-17 1996-02-02 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-18 1996-04-12 5 . 2 . 0		<a href="#">get it</a>		
	smg-19 1996-06-28 5 . 3 . 0		<a href="#">get it</a>		
	smg-20 1996-10-11 5 . 4 . 0		<a href="#">get it</a>		
	smg-21 1997-02-14 5 . 5 . 0		<a href="#">get it</a>		
	smg-22 1997-06-13 5 . 6 . 0		<a href="#">get it</a>		
	smg-23 1997-10-17 5 . 7 . 0		<a href="#">get it</a>		
	smg-26 1998-06-26 5 . 8 . 0		<a href="#">get it</a>		
	Editorial change 1998-07-26 5 . 8 . 1		<a href="#">get it</a>		

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## TS 03.41 Technical Realization of Short Message Service Cell Broadcast (SMSCB)

R96 *current version:* 5.9.1 *WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*

smg-16	1995-10-20	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-17	1996-02-02	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
smg-18	1996-04-12	5 . 2 . 0	<a href="#">get it</a>	
smg-19	1996-06-28	5 . 3 . 0	<a href="#">get it</a>	
smg-20	1996-10-11	5 . 4 . 0	<a href="#">get it</a>	
ETSI publication	1997-05-02	5 . 4 . 1	<a href="#">get it</a>	
smg-21	1997-02-14	5 . 5 . 0	<a href="#">get it</a>	
ETSI publication	1997-09-15	5 . 5 . 1	<a href="#">get it</a>	
smg-22	1997-06-13	5 . 6 . 0	<a href="#">get it</a>	
ETSI publication	1998-02-02	5 . 6 . 1	<a href="#">get it</a>	
smg-23	1997-10-17	5 . 7 . 0	<a href="#">get it</a>	
smg-24	1997-12-19	5 . 8 . 0	<a href="#">get it</a>	
ETSI publication	1998-06-17	5 . 8 . 1	<a href="#">get it</a>	
smg-25	1998-03-20	5 . 9 . 0	<a href="#">get it</a>	
ETSI publication	1999-02-03	5 . 9 . 1	<a href="#">get it</a>	

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## TS 03.42 SMS Compression

R96 *current version:* 5.2.0 *WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*

smg-21	1997-02-14	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-22	1997-06-13	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
smg-23	1997-10-17	5 . 2 . 0	<a href="#">get it</a>	

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## TR 03.43 Support of Videotex

R96 *current version:* 5.0.0 *WG (prime / other):* T2 / - *rapporteur:* RODERMUND, Friedhelm Vodafone D2 GmbH  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*

smg-20	1996-10-11	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>
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<b>TR 03.44</b>	<b>Support of Teletex in a GSM Public Land Mobile Network (PLMN)</b>				
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> RODERMUND, Friedhelm	Vodafone D2 GmbH	
	<i>freeze_meeting:</i> smg-22				
	<i>history (event, available, version, comments):</i>	G: yes U:	MCC:	RODERMUND, Friedhelm	
	smg-20 1996-10-11 5 . 0 . 0				<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i>
<hr/>					
<b>TS 03.45</b>	<b>Technical Realization of Facsimile Group 3 Service - transparent</b>				
R96	<i>current version:</i> 5.2.1	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat	
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC:	BOSWARTHICK, David	
	<i>history (event, available, version, comments):</i>				
	smg-20 1996-10-11 5 . 0 . 0				<a href="#">get it</a> <i>remarks - general:</i>
	ETSI publication 1997-05-02 5 . 0 . 1				<a href="#">get it</a> <i>remarks - this release:</i>
	smg-21 1997-02-14 5 . 1 . 0				<a href="#">get it</a>
	ETSI publication 1997-08-26 5 . 1 . 1				<a href="#">get it</a>
	smg-22 1997-06-13 5 . 2 . 0				<a href="#">get it</a>
	ETSI publication 1998-02-02 5 . 2 . 1				<a href="#">get it</a>
<hr/>					
<b>TS 03.46</b>	<b>Technical Realization of Facsimile Group 3 Service - non transparent</b>				
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat	
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC:	BOSWARTHICK, David	
	<i>history (event, available, version, comments):</i>				
	smg-20 1996-10-11 5 . 0 . 0				<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i>
<hr/>					
<b>TR 03.47</b>	<b>Example Protocol Stacks for Interconnecting Service Centre(s) (SC) and Mobile Services Switching Centre(s) (MSC)</b>				
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> RODERMUND, Friedhelm	Vodafone D2 GmbH	
	<i>freeze_meeting:</i> smg-22				
	<i>history (event, available, version, comments):</i>	G: yes U:	MCC:	RODERMUND, Friedhelm	
	smg-20 1996-10-11 5 . 0 . 0				<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i>
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<b>TR 03.49</b>	<b>Example protocol stacks for interconnecting Cell Broadcast Centre (CBC) and Base Station Controller (BSC)</b>				
R96	<i>current version:</i> 5.7.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> RODERMUND, Friedhelm	Vodafone D2 GmbH	
	<i>freeze_meeting:</i> smg-22				
	<i>history (event, available, version, comments):</i>	G: yes U:	MCC:	RODERMUND, Friedhelm	
	smg-16 1995-10-20 5 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	
	smg-18 1996-04-12 5 . 1 . 0	<a href="#">get it</a>		<i>remarks - this release:</i>	
	smg-19 1996-06-28 5 . 2 . 0	<a href="#">get it</a>			
	smg-20 1996-10-11 5 . 3 . 0	<a href="#">get it</a>			
	smg-21 1997-02-14 5 . 4 . 0	<a href="#">get it</a>			
	smg-22 1997-06-13 5 . 5 . 0	<a href="#">get it</a>			
	smg-23 1997-10-17 5 . 6 . 0	<a href="#">get it</a>			
	smg-24 1997-12-19 5 . 7 . 0	<a href="#">get it</a>			

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<b>TS 03.50</b>	<b>Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System</b>				
R96	<i>current version:</i> 5.4.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> smg-22				
	<i>history (event, available, version, comments):</i>	G: yes U:	MCC:	USAI, Paolino	
	smg-17 1996-02-02 5 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	
	smg-20 1996-10-11 5 . 0 . 1	<a href="#">get it</a>		<i>remarks - this release:</i> #17: 5.0.0 #20: 5.0.1 #24: 5.0.3 #25: 5.1.0 #27: 5.2.0 #28: 5.3.0 #32:5.4.0	
	smg-24 1997-12-19 5 . 0 . 3	<a href="#">get it</a>			
	smg-25 1998-03-20 5 . 1 . 0	<a href="#">get it</a>			
	smg-27 1998-10-16 5 . 2 . 0	<a href="#">get it</a>			
	smg-28 1999-02-12 5 . 3 . 0	<a href="#">get it</a>			
	smg-32 2000-06-20 5 . 4 . 0	<a href="#">get it</a>			

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<b>TS 03.54</b>	<b>Description for the use of a Shared Inter Working Function (SIWF) in a GSM PLMN; Stage 2</b>				
R96	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat	
	<i>freeze_meeting:</i> smg-22				
	<i>history (event, available, version, comments):</i>	G: yes U:	MCC:	BOSWARTHICK, David	
	smg-23 1997-10-17 5 . 1 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	
	smg-24 1997-12-19 5 . 2 . 0	<a href="#">get it</a>		<i>remarks - this release:</i> #23: 5.1.0 #24: 5.2.0	

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<b>TS 03.63</b>	<b>Packet Data on Signalling channels service (PDS) Service description, Stage 2</b>								
R96	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i>	N1 / -	<i>rapporteur:</i>	JACOBSON, Dieter	T-MOBILE DEUTSCHLAND			
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>		<i>MCC:</i>	JORGENSEN, Per Johan				
	<i>history (event, available, version, comments):</i>								
	smg-16 1995-10-20	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-18 1996-04-12	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>				

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<b>TS 03.67</b>	<b>Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2</b>								
R96	<i>current version:</i> 5.1.1	<i>WG (prime / other):</i>	N4 / -	<i>rapporteur:</i>	SCHMITT, Peter	SIEMENS AG			
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>		<i>MCC:</i>	KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>								
	smg-16 1995-10-20	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-20 1996-10-11	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>				
	ETSI publication 1997-06-03	5 . 1 . 1		<a href="#">get it</a>					

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<b>TS 03.68</b>	<b>Voice Group Call Service (VGCS); Stage 2</b>								
R96	<i>current version:</i> 5.6.0	<i>WG (prime / other):</i>	N1 / -	<i>rapporteur:</i>	GARAPATY, Sonia	Nortel Networks (USA)			
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>		<i>MCC:</i>	JORGENSEN, Per Johan				
	<i>history (event, available, version, comments):</i>								
	smg-16 1995-10-20	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-18 1996-04-12	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>				
	smg-20 1996-10-11	5 . 1 . 1		<a href="#">get it</a>					
	ETSI publication 1997-06-03	5 . 1 . 2		<a href="#">get it</a>					
	smg-21 1997-02-14	5 . 2 . 0		<a href="#">get it</a>					
	ETSI publication 1997-08-26	5 . 2 . 1		<a href="#">get it</a>					
	smg-23 1997-10-17	5 . 3 . 0		<a href="#">get it</a>					
	ETSI publication 1998-04-07	5 . 3 . 1		<a href="#">get it</a>					
	smg-24 1997-12-19	5 . 4 . 0		<a href="#">get it</a>					
	ETSI publication 1998-07-23	5 . 4 . 1		<a href="#">get it</a>					
	smg-26 1998-06-26	5 . 5 . 1		<a href="#">get it</a>					
	NP-21 2003-10-13	5 . 6 . 0		<a href="#">get it</a>					

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## TS 03.69 Voice Broadcast service (VBS); Stage 2

R96 *current version:* 5.6.0

*freeze\_meeting:* smg-22

*history (event, available, version, comments):*

smg-16	1995-10-20	5	.	0	.	0
smg-18	1996-04-12	5	.	1	.	0
smg-20	1996-10-11	5	.	1	.	1
ETSI publication	1997-06-03	5	.	1	.	2
smg-21	1997-02-14	5	.	2	.	0
ETSI publication	1997-08-26	5	.	2	.	1
smg-23	1997-10-17	5	.	3	.	0
ETSI publication	1998-04-07	5	.	3	.	1
smg-24	1997-12-19	5	.	4	.	0
ETSI publication	1999-10-23	5	.	4	.	1
smg-26	1998-06-26	5	.	5	.	0
ETSI publication	1998-12-10	5	.	5	.	1
NP-21	2003-10-13	5	.	6	.	0

*WG (prime / other):* N1 / - *rapporteur:* MÜNNING, Dirk DETECON GMBH

*G: yes U:* *MCC:* JORGENSEN, Per Johan

[get it](#) *remarks - general:*

*remarks - this release:* #16: 5.0.0 #18: 5.1.0 #20: 5.1.1 #21: 5.2.0 #23: 5.3.0 #24: 5.4.0 #26: 5.5.0

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## TS 03.70 Routing of Calls to/from Public Data Networks (PDN)

R96 *current version:* 5.0.0

*freeze\_meeting:* smg-22

*history (event, available, version, comments):*

smg-20	1996-10-11	5	.	0	.	0
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*WG (prime / other):* N3 / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat

*G: yes U:* *MCC:* BOSWARTHICK, David

[get it](#) *remarks - general:* N3: "no R99 needed".

*remarks - this release:* #20: 5.0.0

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<b>TS 03.78</b>	<b>customized Applications for Mobile network Enhanced Logic (CAMEL) Phase 2; Stage 2</b>					
R96	<i>current version:</i> 5.8.0	<i>WG (prime / other):</i> N2 / -	<i>rapporteur:</i> LANTELME, Isabelle	ALCATEL S.A.		
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> JURISIC, Andrijana			
	<i>history (event, available, version, comments):</i>					
	smg-21 1997-02-14 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
ETSI publication	1997-04-23 5 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-22 1997-06-13 5 . 1 . 0		<a href="#">get it</a>			
	smg-23 1997-10-17 5 . 2 . 0		<a href="#">get it</a>			
	smg-24 1997-12-19 5 . 3 . 0		<a href="#">get it</a>			
	edito 1998-01-19 5 . 3 . 1		<a href="#">get it</a>			
ETSI publication	1998-01-30 5 . 3 . 2		<a href="#">get it</a>			
	smg-25 1998-03-20 5 . 4 . 0		<a href="#">get it</a>			
	smg-26 1998-06-26 5 . 5 . 0		<a href="#">get it</a>			
	smg-27 1998-10-16 5 . 6 . 0		<a href="#">get it</a>			
	smg-28 1999-02-12 5 . 7 . 0		<a href="#">get it</a>			
	smg-29 1999-06-25 5 . 8 . 0		<a href="#">get it</a>			

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<b>TS 03.79</b>	<b>Support of Optimal Routeing phase 1; Stage 2</b>					
R96	<i>current version:</i> 5.5.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David	VODAFONE LTD		
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo	Chalmers		
	<i>history (event, available, version, comments):</i>					
	smg-21 1997-02-14 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
ETSI publication	1997-05-02 5 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> #21: 5.0.0 #22: 5.1.0 #24: 5.2.0 #25: 5.3.0 #27: 5.4.0 TSG#5: 5.5.0		
	smg-22 1997-06-13 5 . 1 . 0		<a href="#">get it</a>			
	smg-24 1997-12-19 5 . 2 . 0		<a href="#">get it</a>			
	smg-25 1998-03-20 5 . 3 . 0		<a href="#">get it</a>			
	smg-27 1998-10-16 5 . 4 . 0		<a href="#">get it</a>			
	NP-05 1999-10-08 5 . 5 . 0		<a href="#">get it</a>			

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<b>TS 03.81</b>	<b>Line Identification Supplementary Services; Stage 2</b>					
R96	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB		
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-24 1997-12-19 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0 #24: 5.1.0 #26: 5.2.0		
	smg-26 1998-06-26 5 . 2 . 0		<a href="#">get it</a>			

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<b>TS 03.82</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 2</b>					
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB		
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0					<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i> #20: 5.0.0
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<b>TS 03.83</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 2</b>					
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> SHARP, Iain	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0					<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i> #20: 5.0.0
<hr/>						
<b>TS 03.84</b>	<b>Multi Party (MPY) Supplementary Services; Stage 2</b>					
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> HABERMANN, Steffen	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0					<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i> #20: 5.0.0
<hr/>						
<b>TS 03.85</b>	<b>Closed user Group (CUG) Supplementary Services; Stage 2</b>					
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0					<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i>
<hr/>						
<b>TS 03.86</b>	<b>Advice of Charge (AoC) Supplementary Services; Stage 2</b>					
R96	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0					
	ETSI Publication 2000-11-28 5 . 0 . 1					<a href="#">get it</a> <i>remarks - general:</i> <a href="#">get it</a> <i>remarks - this release:</i> #20: 5.0.0

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**TS 03.88 Call Barring (CB) supplementary services; Stage 2**  
R96 *current version:* 5.0.0 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
smg-20 1996-10-11 5 . 0 . 0  
[get it](#) *remarks - general:*  
*remarks - this release:* #20: 5.0.0

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**TS 03.90 Unstructured Supplementary Service Data (USSD)**  
R96 *current version:* 5.0.0 *WG (prime / other):* N4 / - *rapporteur:* CHOTAI, Sunil mm02 plc  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
smg-20 1996-10-11 5 . 0 . 0  
[get it](#) *remarks - general:*  
*remarks - this release:* #20: 5.0.0

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**TS 03.91 Explicit Call Transfer (ECT) Supplementary Service; Stage 2**  
R96 *current version:* 5.0.2 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
smg-16 1995-10-20 5 . 0 . 0  
smg-18 1996-04-12 5 . 0 . 1  
smg-19 1996-06-28 5 . 0 . 2  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #16: 5.0.0 #18: 5.0.1 #19: 5.0.2  
[get it](#)

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**TS 04.01 Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles**  
R96 *current version:* 5.0.0 *WG (prime / other):* N1 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* Skov JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
smg-20 1996-10-11 5 . 0 . 0  
[get it](#) *remarks - general:*  
*remarks - this release:* #20: 5.0.0

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**TS 04.02 GSM Public Land Mobile Network (PLMN) Access Reference Configuration**  
R96 *current version:* 5.0.0 *WG (prime / other):* N1 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-22 G: yes U: *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*  
smg-18 1996-04-12 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #18: 5.0.0

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**TS 04.03 Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities**  
R96 *current version:* 5.3.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-22 G: yes U: *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*  
smg-18 1996-04-12 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-21 1997-02-14 5 . 1 . 0 [get it](#) *remarks - this release:*  
smg-22 1997-06-13 5 . 2 . 0 [get it](#)  
smg-24 1997-12-19 5 . 3 . 0 [get it](#)

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**TS 04.04 Layer 1 - General Requirements**  
R96 *current version:* 5.1.0 *WG (prime / other):* G2 / - *rapporteur:* ISAACS, Ken SIEMENS AG  
*freeze\_meeting:* smg-22 G: yes U: *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*  
smg-20 1996-10-11 5 . 0 . 0 [get it](#) *remarks - general:*  
ETSI publication 1997-05-02 5 . 0 . 1 [get it](#) *remarks - this release:*  
smg-24 1997-12-19 5 . 1 . 0 [get it](#)

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**TS 04.05 Data Link (DL) Layer General Aspects**  
R96 *current version:* 5.0.1 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-22 G: yes U: *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*  
smg-20 1996-10-11 5 . 0 . 1 [get it](#) *remarks - general:*  
*remarks - this release:*

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## TS 04.06 Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification

R96 *current version:* 5.4.1 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-22

*G:* yes *U:* *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*

smg-20	1996-10-11	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
ETSI publication	1997-05-02	5	.	0	.	1	<a href="#">get it</a> <i>remarks - this release:</i>
smg-21	1997-02-14	5	.	1	.	0	<a href="#">get it</a>
ETSI publication	1997-09-15	5	.	1	.	1	<a href="#">get it</a>
smg-25	1998-03-20	5	.	2	.	0	<a href="#">get it</a>
ETSI publication	1998-10-23	5	.	2	.	1	<a href="#">get it</a>
smg-29	1999-06-25	5	.	3	.	0	<a href="#">get it</a>
ETSI publication	1999-12-22	5	.	3	.	1	<a href="#">get it</a>
smg-31	2000-02-16	5	.	4	.	0	<a href="#">get it</a>
ETSI Publication	2000-11-28	5	.	4	.	1	<a href="#">get it</a>

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## TS 04.07 Mobile Radio Interface Signalling Layer 3 - General Aspects

R96 *current version:* 5.3.0 *WG (prime / other):* N1 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* smg-22

*G:* yes *U:* *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*

smg-16	1995-10-20	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-17	1996-02-02	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
smg-20	1996-10-11	5	.	1	.	1	<a href="#">get it</a>
ETSI publication	1997-05-05	5	.	1	.	2	<a href="#">get it</a>
smg-21	1997-02-14	5	.	2	.	0	<a href="#">get it</a>
ETSI publication	1997-12-19	5	.	2	.	1	<a href="#">get it</a>
smg-24	1997-12-19	5	.	3	.	0	<a href="#">get it</a>

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## TS 04.08 Mobile radio interface layer 3 specification

R96 *current version:* 5.20.0 *WG (prime / other):* N1 / G2 *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*

smg-16	1995-10-20	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> 04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert Thomasen
smg-17	1996-02-02	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> (even numbered CRs!)
smg-18	1996-04-12	5 . 2 . 0	<a href="#">get it</a>	
smg-19	1996-06-28	5 . 3 . 0	<a href="#">get it</a>	
smg-20	1996-10-11	5 . 4 . 0	<a href="#">get it</a>	
ETSI publication	1997-05-13	5 . 4 . 1	<a href="#">get it</a>	
smg-21	1997-02-14	5 . 5 . 0	<a href="#">get it</a>	
smg-22	1997-06-13	5 . 6 . 0	<a href="#">get it</a>	
ETSI OAP	1997-09-19	5 . 6 . 2	<a href="#">get it</a>	
ETSI publication	1998-02-27	5 . 6 . 3	<a href="#">get it</a>	
smg-23	1997-10-17	5 . 7 . 0	<a href="#">get it</a>	
smg-24	1997-12-19	5 . 8 . 0	<a href="#">get it</a>	
smg-25	1998-03-20	5 . 9 . 0	<a href="#">get it</a>	
ETSI publication	1998-10-23	5 . 9 . 1	<a href="#">get it</a>	
smg-26	1998-06-26	5 . 10 . 0	<a href="#">get it</a>	
ETSI publication	1998-12-16	5 . 10 . 1	<a href="#">get it</a>	
smg-27	1998-10-16	5 . 11 . 0	<a href="#">get it</a>	
ETSI publication	1999-03-23	5 . 11 . 1	<a href="#">get it</a>	
smg-28	1999-02-12	5 . 12 . 0	<a href="#">get it</a>	
smg-29	1999-06-25	5 . 13 . 0	<a href="#">get it</a>	
ETSI publication	1999-12-22	5 . 13 . 1	<a href="#">get it</a>	
smg-30	1999-11-11	5 . 14 . 0	<a href="#">get it</a>	
ETSI publication	2000-05-09	5 . 14 . 1	<a href="#">get it</a>	
NP-07	2000-03-15	5 . 15 . 0	<a href="#">get it</a>	
ETSI publication	2000-10-05	5 . 15 . 1	<a href="#">get it</a>	
smg-31b	2000-04-17	5 . 16 . 0	<a href="#">get it</a>	
smg-32	2000-06-20	5 . 17 . 0	<a href="#">get it</a>	
GP-01	2000-10-12	5 . 18 . 0	<a href="#">get it</a>	
edito	2000-11-02	5 . 18 . 1	<a href="#">get it</a>	
NP-18	2002-12-18	5 . 19 . 0	<a href="#">get it</a>	
GP-15	2003-07-10	5 . 20 . 0	<a href="#">get it</a>	

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<b>TS 04.10</b>	<b>Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects</b>				
R96	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-22		Skov		
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i>	KYMALAINEN, Kimmo	
	<i>history (event, available, version, comments):</i>				
	smg-20 1996-10-11 5 . 0 . 0				<i>remarks - general:</i>
	edito 1996-10-11 5 . 0 . 1				<i>remarks - this release:</i>
					<a href="#">get it</a>
<hr/>					
<b>TS 04.11</b>	<b>Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface</b>				
R96	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> NOBUYUKI, Uda	NTT COMWARE Corporation	
	<i>freeze_meeting:</i> smg-22		<i>MCC:</i>	JORGENSEN, Per Johan	
	<i>history (event, available, version, comments):</i>				
	smg-16 1995-10-20 5 . 0 . 0				<i>remarks - general:</i>
	smg-17 1996-02-02 5 . 1 . 0				<i>remarks - this release:</i>
	smg-20 1996-10-11 5 . 1 . 1				<a href="#">get it</a>
	smg-21 1997-02-14 5 . 2 . 0				<a href="#">get it</a>
	ETSI publication 1997-09-15 5 . 2 . 1				<a href="#">get it</a>
	NP-09 2000-10-24 5 . 3 . 0				<a href="#">get it</a>
<hr/>					
<b>TS 04.12</b>	<b>Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface</b>				
R96	<i>current version:</i> 5.0.2	<i>WG (prime / other):</i> G2 / T2	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-22		Skov		
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i>	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i>				
	smg-19 1996-06-28 5 . 0 . 0				<i>remarks - general:</i>
	smg-20 1996-10-11 5 . 0 . 1				<i>remarks - this release:</i> #19: 5.0.0 #20: 5.0.1
	ETSI Publication 2000-11-28 5 . 0 . 2				<a href="#">get it</a>
					<a href="#">get it</a>
<hr/>					
<b>TS 04.13</b>	<b>Performance Requirements on Mobile Radio Interface</b>				
R96	<i>current version:</i> 5.1.1	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> DAWES, Peter	VODAFONE LTD	
	<i>freeze_meeting:</i> smg-22		<i>MCC:</i>	JORGENSEN, Per Johan	
	<i>history (event, available, version, comments):</i>				
	smg-18 1996-04-12 5 . 0 . 0				<i>remarks - general:</i>
	smg-20 1996-10-11 5 . 1 . 0				<i>remarks - this release:</i> #18: 5.0.0 #20: 5.1.0
	ETSI Publication 2000-11-28 5 . 1 . 1				<a href="#">get it</a>
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<b>TS 04.14</b>	<b>Individual equipment type requirements and interworking; Special conformance testing functions</b>								
R96	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> HOWELL, Andrew	MOTOROLA Ltd					
	<i>freeze_meeting:</i> smg-22	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> THOMASEN, Gert						
	<i>history (event, available, version, comments):</i>								
	smg-26 1998-06-26	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
	smg-27 1998-10-16	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					
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<b>TS 04.21</b>	<b>Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface</b>								
R96	<i>current version:</i> 5.7.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> RÄSÄNEN, Juha	NOKIA Corporation					
	<i>freeze_meeting:</i> smg-22	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> BOSWARTHICK, David						
	<i>history (event, available, version, comments):</i>								
	smg-20 1996-10-11	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
	smg-21 1997-02-14	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0 #21: 5.1.0 #22: 5.2.0 #23: 5.3.0 #24: 5.4.0 #25: 5.5.0 #27: 5.6.0 TSG#8:5.7.0					
	smg-22 1997-06-13	5 . 2 . 0	<a href="#">get it</a>						
	smg-23 1997-10-17	5 . 3 . 0	<a href="#">get it</a>						
	smg-24 1997-12-19	5 . 4 . 0	<a href="#">get it</a>						
	smg-25 1998-03-20	5 . 5 . 0	<a href="#">get it</a>						
	smg-27 1998-10-16	5 . 6 . 0	<a href="#">get it</a>						
	NP-08 2000-06-21	5 . 7 . 0	<a href="#">get it</a>						
<hr/>									
<b>TS 04.22</b>	<b>Radio Link Protocol (RLP) for data and telematic services on the Mobile Station - Base Station System (MS - BSS) interface and the Base Station System - Mobile-services</b>								
R96	<i>current version:</i> <b>Switching Centre (BSS - MSC) interface</b>	5.6.1	<i>WG (prime / other):</i> N3	/-	<i>rapporteur:</i> KLEHN, Norbert				
SIEMENS AG									
	<i>freeze_meeting:</i> smg-22	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> BOSWARTHICK, David						
	<i>history (event, available, version, comments):</i>								
	smg-16 1995-10-20	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
	smg-20 1996-10-11	5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>					
	smg-21 1997-02-14	5 . 1 . 0	<a href="#">get it</a>						
	smg-22 1997-06-13	5 . 2 . 0	<a href="#">get it</a>						
	smg-23 1997-10-17	5 . 3 . 0	<a href="#">get it</a>						
	smg-25 1998-03-20	5 . 4 . 0	<a href="#">get it</a>						
	smg-27 1998-10-16	5 . 5 . 0	<a href="#">get it</a>						
	NP-06 1999-12-13	5 . 6 . 0	<a href="#">get it</a>						
	ETSI publication 2000-07-17	5 . 6 . 1	<a href="#">get it</a>						

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<b>TS 04.63</b>	<b>Packet Data on Signalling channels Service (PDS) Service Description, Stage 3</b>								
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	N1 / -	<i>rapporteur:</i>	JACOBSON, Dieter	T-MOBILE DEUTSCHLAND			
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>		<i>MCC:</i>	JORGENSEN, Per Johan				
	<i>history (event, available, version, comments):</i>								
	smg-18 1996-04-12 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>				
<hr/>									
<b>TS 04.67</b>	<b>Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3</b>								
R96	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i>	N4 / -	<i>rapporteur:</i>	SCHMITT, Peter	SIEMENS AG			
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>		<i>MCC:</i>	KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>								
	smg-20 1996-10-11 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	ETSI Publication 2000-11-28 5 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0				
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<b>TS 04.68</b>	<b>Group Call Control (GCC) Protocol</b>								
R96	<i>current version:</i> 5.5.0	<i>WG (prime / other):</i>	N1 / -	<i>rapporteur:</i>	GARAPATY, Sonia	Nortel Networks (USA)			
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>		<i>MCC:</i>	JORGENSEN, Per Johan				
	<i>history (event, available, version, comments):</i>								
	smg-18 1996-04-12 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-20 1996-10-11 5 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i>				
	smg-27 1998-10-16 5 . 1 . 0			<a href="#">get it</a>					
	smg-28 1999-02-12 5 . 2 . 0			<a href="#">get it</a>					
	smg-29 1999-06-25 5 . 3 . 0			<a href="#">get it</a>					
	smg-30 1999-11-11 5 . 4 . 0			<a href="#">get it</a>					
	NP-07 2000-03-15 5 . 5 . 0			<a href="#">get it</a>					
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<b>TS 04.69</b>	<b>Broadcast Call Control (BCC) protocol</b>								
R96	<i>current version:</i> 5.5.0	<i>WG (prime / other):</i>	N1 / -	<i>rapporteur:</i>	GARAPATY, Sonia	Nortel Networks (USA)			
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>		<i>MCC:</i>	JORGENSEN, Per Johan				
	<i>history (event, available, version, comments):</i>								
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	smg-27 1998-10-16 5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>				
	smg-28 1999-02-12 5 . 2 . 0			<a href="#">get it</a>					
	smg-29 1999-06-25 5 . 3 . 0			<a href="#">get it</a>					
	smg-30 1999-11-11 5 . 4 . 0			<a href="#">get it</a>					
	NP-07 2000-03-15 5 . 5 . 0			<a href="#">get it</a>					

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<b>TS 04.80</b>	<b>Mobile Radio Interface Layer 3 - Supplementary Services Specification Formats and Coding</b>					
R96	<i>current version:</i> 5.3.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
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	smg-20 1996-10-11 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-24 1997-12-19 5 . 1 . 0	<a href="#">get it</a>				
	smg-25 1998-03-20 5 . 2 . 0	<a href="#">get it</a>				
	smg-28 1999-02-12 5 . 3 . 0	<a href="#">get it</a>				
	ETSI Publication 1999-03-12 5 . 3 . 1	<a href="#">get it</a>				
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<b>TS 04.81</b>	<b>Line Identification Supplementary Services; Stage 3</b>					
R96	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI Publication 1996-11-11 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0			
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<b>TS 04.82</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 3</b>					
R96	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI Publication 1996-11-11 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0			
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<b>TS 04.83</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 3</b>					
R96	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> SHARP, Iain	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI Publication 1996-11-11 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0			
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<b>TS 04.84</b>	<b>Multi Party (MPTY) Supplementary Services; Stage 3</b>					
R96	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> HABERMANN, Steffen	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI Publication 1996-11-11 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0			

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<b>TS 04.85</b>	<b>Closed User Group (CUG) Supplementary Services; Stage 3</b>				
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>				
	smg-20 1996-10-11 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>
					<i>remarks - this release:</i> #20: 5.0.0
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<b>TS 04.86</b>	<b>Advice of Charge (AoC) Supplementary Services; Stage 3</b>				
R96	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>				
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	ETSI Publication 1996-11-11 5 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0
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<b>TS 04.88</b>	<b>Call Barring (CB) Supplementary Services; Stage 3</b>				
R96	<i>current version:</i> 5.1.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>				
	smg-20 1996-10-11 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>
	smg-24 1997-12-19 5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0 #24: 5.1.0
	ETSI Publication 1998-01-19 5 . 1 . 1			<a href="#">get it</a>	
<hr/>					
<b>TS 04.90</b>	<b>Unstructured Supplementary Service Data (USSD)</b>				
R96	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>				
	smg-20 1996-10-11 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>
	ETSI Publication 1996-11-11 5 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0
<hr/>					
<b>TS 04.91</b>	<b>Explicit Call Transfer (ECT) Supplementary Service; Stage 3</b>				
R96	<i>current version:</i> 5.1.2	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>				
	smg-16 1995-10-20 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>
	smg-17 1996-02-02 5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> #16: 5.0.0 #17: 5.1.0
	ETSI Publication 1996-03-02 5 . 1 . 2			<a href="#">get it</a>	

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R96 05 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/05\\_series](http://www.3gpp.org/ftp/Specs/archive/05_series)**TS 05.01 Physical Layer on the Radio Path (General Description)**

R96 *current version:* 5.4.0 *WG (prime / other):* G1 / - *rapporteur:* JOKINEN, Harri NOKIA MOBILE PHONES  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version, comments):*

smg-18	1996-04-12	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-20	1996-10-11	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
smg-21	1997-02-14	5	.	2	.	0	<a href="#">get it</a>
smg-22	1997-06-13	5	.	3	.	0	<a href="#">get it</a>
smg-25	1998-03-20	5	.	4	.	0	<a href="#">get it</a>

**TS 05.02 Multiplexing and Multiple Access on the Radio Path**

R96 *current version:* 5.10.0 *WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist NOKIA Corporation  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version, comments):*

smg-18	1996-04-12	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-19	1996-06-28	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
smg-20	1996-10-11	5	.	2	.	0	<a href="#">get it</a>
ETSI publication	1997-05-13	5	.	2	.	1	<a href="#">get it</a>
smg-21	1997-02-14	5	.	3	.	0	<a href="#">get it</a>
ETSI publication	1997-08-26	5	.	3	.	1	<a href="#">get it</a>
smg-22	1997-06-13	5	.	4	.	0	<a href="#">get it</a>
ETSI publication	1997-12-31	5	.	4	.	1	<a href="#">get it</a>
smg-23	1997-10-17	5	.	5	.	0	<a href="#">get it</a>
smg-25	1998-03-20	5	.	6	.	0	<a href="#">get it</a>
ETSI publication	1998-10-23	5	.	6	.	1	<a href="#">get it</a>
smg-26	1998-06-26	5	.	7	.	0	<a href="#">get it</a>
ETSI publication	1998-12-10	5	.	7	.	1	<a href="#">get it</a>
smg-28	1999-02-12	5	.	8	.	0	<a href="#">get it</a>
ETSI publication	1999-08-04	5	.	8	.	1	<a href="#">get it</a>
GP-01	2000-10-09	5	.	9	.	0	<a href="#">get it</a>
GP-06	2001-10-01	5	.	10	.	0	<a href="#">get it</a>

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<b>TS 05.03</b>	<b>Channel coding</b>								
R96	<i>current version:</i> 5.6.0			<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> SÉBIRE, Benoist				NOKIA Corporation
	<i>freeze_meeting:</i> smg-22			<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version, comments):</i>								
	smg-17	1996-02-02	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	smg-18	1996-04-12	5	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> #17: 5.0.0 #18: 5.1.0 #19: 5.2.0 #20: 5.2.1 #21: 5.3.0 #23: 5.4.0 #25: 5.5.0 GERAN#1:5.6.0
	smg-19	1996-06-26	5	.	2	.	0	<a href="#">get it</a>	
	smg-20	1996-10-11	5	.	2	.	1	<a href="#">get it</a>	
	ETSI publication	1997-05-12	5	.	2	.	2	<a href="#">get it</a>	
	smg-21	1997-02-14	5	.	3	.	0	<a href="#">get it</a>	
	ETSI publication	1997-08-26	5	.	3	.	1	<a href="#">get it</a>	
	smg-23	1997-10-17	5	.	4	.	0	<a href="#">get it</a>	
	smg-25	1998-03-20	5	.	5	.	0	<a href="#">get it</a>	
	ETSI publication	1998-10-23	5	.	5	.	1	<a href="#">get it</a>	
	GP-01	2000-10-09	5	.	6	.	0	<a href="#">get it</a>	

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<b>TS 05.04</b>	<b>Modulation</b>								
R96	<i>current version:</i> 5.1.1			<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> SÉBIRE, Benoist				NOKIA Corporation
	<i>freeze_meeting:</i> smg-22			<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version, comments):</i>								
	smg-20	1996-10-11	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	ETSI publication	1997-05-13	5	.	0	.	1	<a href="#">get it</a>	<i>remarks - this release:</i>
	smg-30	1999-11-11	5	.	1	.	0	<a href="#">get it</a>	
	ETSI Publication	1999-12-11	5	.	1	.	1	<a href="#">get it</a>	

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## TS 05.05 Radio Transmission and Reception

R96 *current version:* 5.13.0

*freeze\_meeting:* smg-22

*history (event, available, version, comments):*

smg-17	1996-02-02	5	.	0	.	0
smg-18	1996-04-12	5	.	1	.	0
smg-19	1996-06-28	5	.	2	.	0
smg-20	1996-10-11	5	.	3	.	0
ETSI publication	1997-05-13	5	.	3	.	1
smg-21	1997-02-14	5	.	4	.	0
ETSI publication	1997-08-26	5	.	4	.	1
smg-22	1997-06-13	5	.	5	.	0
ETSI publication	1998-02-02	5	.	5	.	1
smg-23	1997-10-17	5	.	6	.	0
smg-24	1997-12-19	5	.	7	.	0
ETSI publication	1998-06-17	5	.	7	.	1
smg-25	1998-03-20	5	.	8	.	0
ETSI publication	1998-10-23	5	.	8	.	1
smg-26	1998-06-26	5	.	9	.	0
ETSI publication	1998-12-11	5	.	9	.	1
smg-27	1998-10-16	5	.	10	.	0
ETSI publication	1999-03-09	5	.	10	.	1
smg-29	1999-06-25	5	.	11	.	0
ETSI publication	1999-12-22	5	.	11	.	1
smg-30	1999-11-11	5	.	12	.	0
GP-01	2000-10-09	5	.	13	.	0

*WG (prime / other):* G1 / - *rapporteur:* SAMUELSSON, Mats Telefon AB LM Ericsson  
*G: yes U:* *MCC:* USAI, Paolino

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:*

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## TS 05.08 Radio Subsystem Link Control

R96 *current version:* 5.10.0

*freeze\_meeting:* smg-22

*history (event, available, version, comments):*

smg-18	1996-04-12	5	.	0	.	0
smg-19	1996-06-28	5	.	1	.	0
smg-20	1996-10-11	5	.	2	.	0
ETSI publication	1997-06-03	5	.	2	.	1
smg-21	1997-02-14	5	.	3	.	0
ETSI publication	1997-08-26	5	.	3	.	1
smg-22	1997-06-13	5	.	4	.	0
ETSI publication	1997-12-31	5	.	4	.	1
smg-23	1997-10-17	5	.	5	.	0
smg-24	1997-12-19	5	.	6	.	0
ETSI publication	1998-06-17	5	.	6	.	1
smg-25	1998-03-20	5	.	7	.	0
ETSI publication	1998-10-23	5	.	7	.	1
smg-26	1998-06-26	5	.	8	.	0
ETSI publication	1998-12-10	5	.	8	.	1
smg-27	1998-10-16	5	.	9	.	0
ETSI publication	1999-03-09	5	.	9	.	1
GP-01	2000-10-10	5	.	10	.	0

*WG (prime / other):* G1 / - *rapporteur:* EL-SAIGH, Amer

VODAFONE Group Plc

*G: yes U:*

*MCC:* USAI, Paolino

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*remarks - general:*

[get it](#)

*remarks - this release:*

[get it](#)

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## TS 05.10 Radio subsystem synchronization

R96 *current version:* 5.4.1

*freeze\_meeting:* smg-22

*history (event, available, version, comments):*

smg-18	1996-04-12	5	.	0	.	0
smg-20	1996-10-11	5	.	1	.	0
ETSI publication	1997-06-03	5	.	1	.	1
smg-23	1997-10-17	5	.	2	.	0
draft	1999-03-19	5	.	2	.	1
ETSI publication	1999-08-04	5	.	2	.	2
GP-01	2000-10-10	5	.	3	.	0
GP-02	2000-11-24	5	.	4	.	0
edito	2000-11-30	5	.	4	.	1

*WG (prime / other):* G1 / - *rapporteur:* JOKINEN, Harri

NOKIA MOBILE PHONES

*G: yes U:*

*MCC:* USAI, Paolino

[get it](#)

*remarks - general:*

[get it](#)

*remarks - this release:*

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<b>TR 05.22</b>	<b>Radio link management in hierarchical networks</b>					
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> VAN BUSSEL, Han	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #20: 5.0.0
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<b>TR 05.50</b>	<b>Background for RF Requirements</b>					
R96	<i>current version:</i> 5.1.1	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S		
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC: USAI, Paolino	Skov		
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
	smg-21 1997-02-14 5 . 1 . 0				<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0 #21: 5.1.0 #23: 5.1.1
	smg-23 1997-10-17 5 . 1 . 1				<a href="#">get it</a>	
<hr/>						
<b>TR 05.90</b>	<b>GSM Electromagnetic Compatibility (EMC) considerations</b>					
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-20 1998-05-28 5 . 0 . 0	No proper source file available			<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .

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06 .- series

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<b>TS 06.01</b>	<b>Full Rate Speech Processing Functions</b>					
R96	<i>current version:</i> 5.1.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
	smg-23 1997-10-17 5 . 1 . 0				<a href="#">get it</a>	<i>remarks - this release:</i>
	ETSI Publication 1997-11-17 5 . 1 . 1				<a href="#">get it</a>	

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<b>TS 06.02</b>	<b>Half Rate Speech Processing Functions</b>					
R96	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI Publication 1996-11-11 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0			
<hr/>						
<b>TS 06.06</b>	<b>Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec</b>					
R96	<i>current version:</i> 5.1.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-22 1997-06-13 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0 #22: 5.1.0 #23: 5.1.1			
	smg-23 1997-10-17 5 . 1 . 1	<a href="#">get it</a>				
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<b>TS 06.07</b>	<b>Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec</b>					
R96	<i>current version:</i> 5.2.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-22 1997-06-13 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0 #22: 5.1.0 #23: 5.2.0			
	smg-23 1997-10-17 5 . 2 . 0	<a href="#">get it</a>				
	ETSI Publication 1997-11-17 5 . 2 . 1	<a href="#">get it</a>				
<hr/>						
<b>TR 06.08</b>	<b>Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec</b>					
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SALEM, Tarek	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> #20: 5.0.0			

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<b>TS 06.10</b>	<b>Full Rate Speech Transcoding</b>					
R96	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> LORENZ, Dietmar	PHILIPS Semiconductors		
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-23 1997-10-17 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-32 2000-06-20 5 . 2 . 0		<a href="#">get it</a>			
	ETSI Publication 2001-01-04 5 . 2 . 1		<a href="#">get it</a>			
	SP-12 2001-06-29 5 . 3 . 0		<a href="#">get it</a>			
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<b>TS 06.11</b>	<b>Substitution and Muting of Lost Frames for Full Rate Speech Channels</b>					
R96	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> NAVARRO, William	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-23 1997-10-17 5 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0 #23: 5.0.1		
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<b>TS 06.12</b>	<b>Comfort Noise Aspects for Full Rate Speech Traffic Channels</b>					
R96	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SERENO, Daniele	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 1996-11-11 5 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0		
	SP-12 2001-06-29 5 . 1 . 0		<a href="#">get it</a>			
<hr/>						
<b>TS 06.20</b>	<b>Half Rate Speech Transcoding</b>					
R96	<i>current version:</i> 5.1.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-22 1997-06-13 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0 #22: 5.1.0		
	ETSI Publication 1997-07-13 5 . 1 . 1		<a href="#">get it</a>			

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<b>TS 06.21</b>	<b>Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels</b>					
R96	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI Publication 1996-11-11 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0			
<hr/>						
<b>TS 06.22</b>	<b>Comfort Noise Aspects for Half Rate Speech Traffic Channels</b>					
R96	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-22 1997-06-13 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0 #22: 5.1.0			
<hr/>						
<b>TS 06.31</b>	<b>Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels</b>					
R96	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-23 1997-10-17 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0 #23: 5.0.1			
<hr/>						
<b>TS 06.32</b>	<b>Voice Activity Detection (VAD)</b>					
R96	<i>current version:</i> 5.0.3	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> BARRETT, Paul	Indicate persons who left Company and wait for new One		
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-23 1997-10-17 5 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0 #23: 5.0.2			
	ETSI Publication 1997-11-17 5 . 0 . 3	<a href="#">get it</a>				
<hr/>						
<b>TS 06.41</b>	<b>Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels</b>					
R96	<i>current version:</i> 5.1.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-22 1997-06-13 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0 #22: 5.0.1 #23: 5.1.0			
	smg-23 1997-10-17 5 . 1 . 0	<a href="#">get it</a>				
	ETSI Publication 1997-11-17 5 . 1 . 1	<a href="#">get it</a>				

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<b>TS 06.42</b>	<b>Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels</b>					
R96	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> BARRETT, Paul	Indicate persons who left Company and wait for new One		
	<i>freeze_meeting:</i> smg-22					
	<i>history (event, available, version, comments):</i>	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> USAI, Paolino			
	smg-20 1996-10-11 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-22 1997-06-13 5 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0 #22: 5.0.1		
<hr/>						
<b>TS 06.51</b>	<b>GSM Enhanced full rate speech processing functions: General description</b>					
R96	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-22	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-17 1996-02-02 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-19 1996-06-28 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #17: 5.0.0 #19: 5.1.0 #20: 5.1.1 #32:5.2.0 TSG#10:5.3.0		
	smg-20 1996-10-11 5 . 1 . 1		<a href="#">get it</a>			
	ETSI publication 1997-03-28 5 . 1 . 2		<a href="#">get it</a>			
	smg-32 2000-06-20 5 . 2 . 0		<a href="#">get it</a>			
	ETSI publication 5 . 2 . 1					
	SP-10 2000-12-20 5 . 3 . 0		<a href="#">get it</a>			
<hr/>						
<b>TS 06.53</b>	<b>ANSI-C code for the GSM Enhanced Full Rate (EFR) speech codec</b>					
R96	<i>current version:</i> 5.1.3	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-22	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-17 1996-02-02 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-19 1996-06-28 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-20 1996-10-11 5 . 1 . 1		<a href="#">get it</a>			
	ETSI publication 2000-01-13 5 . 1 . 2		<a href="#">get it</a>			
	smg-23 1997-10-17 5 . 1 . 3		<a href="#">get it</a>			

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<b>TS 06.54</b>	<b>Test sequences for the GSM Enhanced Full Rate (EFR)</b>				
R96	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
	smg-20 1996-10-11 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-22 1997-06-13 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
ETSI publication	1998-02-27 5 . 1 . 1		<a href="#">get it</a>		
	smg-32 2000-06-20 5 . 2 . 0		<a href="#">get it</a>		
	SP-10 2000-12-20 5 . 3 . 0		<a href="#">get it</a>		
<hr/>					
<b>TR 06.55</b>	<b>Performance characterisation of the GSM EFR Speech Codec</b>				
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SALEM, Tarek	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
	smg-19 1996-06-28 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
				<i>remarks - this release:</i> #19: 5.0.0	
<hr/>					
<b>TS 06.60</b>	<b>Enhanced full rate speech transcoding</b>				
R96	<i>current version:</i> 5.2.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
	smg-17 1996-02-02 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-19 1996-06-28 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #17: 5.0.0 #19:5.1.0 #20: 5.1.1 #23: 5.1.3 #25: 5.2.0	
	smg-20 1996-10-11 5 . 1 . 1		<a href="#">get it</a>		
	smg-23 1997-10-17 5 . 1 . 3		<a href="#">get it</a>		
	smg-25 1998-03-20 5 . 2 . 0		<a href="#">get it</a>		
ETSI Publication	1998-04-20 5 . 2 . 1		<a href="#">get it</a>		
<hr/>					
<b>TS 06.61</b>	<b>Substitution and muting of lost frames for enhanced full rate speech traffic channels</b>				
R96	<i>current version:</i> 5.1.2	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
	smg-17 1996-02-02 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-19 1996-06-28 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #17: 5.0.0 #19: 5.1.0 #20: 5.1.1	
	smg-20 1996-10-11 5 . 1 . 1		<a href="#">get it</a>		
ETSI Publication	1996-11-11 5 . 1 . 2		<a href="#">get it</a>		

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**TS 06.62 Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels**

R96 *current version:* 5.1.3 *WG (prime / other):* S4 / - *rapporteur:* JÄRVINEN, Kari NOKIA Corporation  
*freeze\_meeting:* smg-22 *G: yes U:* MCC: USAI, Paolino

*history (event, available, version, comments):*

smg-17	1996-02-02	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-19	1996-06-28	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> #17: 5.0.0 #19: 5.1.0 #20: 5.1.1 #23: 5.1.3
smg-20	1996-10-11	5	.	1	.	1	<a href="#">get it</a>
ETSI publication	1997-03-28	5	.	1	.	2	<a href="#">get it</a>
smg-23	1997-10-17	5	.	1	.	3	<a href="#">get it</a>

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**TS 06.81 Discontinuous Transmission (DTX) for enhanced full rate speech traffic channels**

R96 *current version:* 5.2.1 *WG (prime / other):* S4 / - *rapporteur:* JÄRVINEN, Kari NOKIA Corporation  
*freeze\_meeting:* smg-22 *G: yes U:* MCC: USAI, Paolino

*history (event, available, version, comments):*

smg-17	1996-02-02	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-19	1996-06-28	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i> #17: 5.0.0 #19: 5.1.0 #20: 5.1.1 #22: 5.1.2 #30: 5.2.0
smg-20	1996-10-11	5	.	1	.	1	<a href="#">get it</a>
smg-22	1997-06-13	5	.	1	.	2	<a href="#">get it</a>
smg-30	1999-11-11	5	.	2	.	0	<a href="#">get it</a>
ETSI Publication	2000-05-09	5	.	2	.	1	<a href="#">get it</a>

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**TS 06.82 Voice Activity Detection (VAD) for enhanced full rate speech traffic channels**

R96 *current version:* 5.0.3 *WG (prime / other):* S4 / - *rapporteur:* JÄRVINEN, Kari NOKIA Corporation  
*freeze\_meeting:* smg-22 *G: yes U:* MCC: USAI, Paolino

*history (event, available, version, comments):*

smg-17	1996-02-02	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-20	1996-10-11	5	.	0	.	2	<a href="#">get it</a> <i>remarks - this release:</i> #17: 5.0.0 #20: 5.0.2 #22: 5.0.3
smg-22	1997-06-13	5	.	0	.	3	<a href="#">get it</a>

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**TR 06.85 Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation**

R96 *current version:* 5.0.0 *WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*freeze\_meeting:* smg-22 *G: yes U:* MCC: USAI, Paolino

*history (event, available, version, comments):*

smg-26	1998-06-26	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
							<i>remarks - this release:</i> #26: 5.0.0

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**TS 07.01 General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)**

R96 *current version:* 5.9.1 *WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* BOSWARTHICK, David

*history (event, available, version, comments):*

smg-16	1995-10-20	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-17	1996-02-02	5	.	0	.	1	<a href="#">get it</a> <i>remarks - this release:</i>
smg-18	1996-04-12	5	.	1	.	1	<a href="#">get it</a>
smg-19	1996-06-28	5	.	2	.	0	<a href="#">get it</a>
smg-20	1996-10-11	5	.	3	.	0	<a href="#">get it</a>
smg-21	1997-02-14	5	.	4	.	0	<a href="#">get it</a>
smg-22	1997-06-13	5	.	5	.	0	<a href="#">get it</a>
smg-23	1997-10-17	5	.	6	.	0	<a href="#">get it</a>
smg-24	1997-12-19	5	.	7	.	0	<a href="#">get it</a>
smg-25	1998-03-20	5	.	8	.	0	<a href="#">get it</a>
smg-28	1999-02-12	5	.	9	.	0	<a href="#">get it</a>
ETSI Publication	1999-03-12	5	.	9	.	1	<a href="#">get it</a>

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**TS 07.02 Terminal Adaptation Functions (TAF) for Services Using Asynchronous Bearer Capabilities**

R96 *current version:* 5.5.1 *WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* BOSWARTHICK, David

*history (event, available, version, comments):*

smg-16	1995-10-20	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-18	1996-04-12	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release: #16: 5.0.0 #18: 5.1.0 #20: 5.1.1 #21: 5.2.0 #22: 5.3.0 #23: 5.4.0 #24: 5.5.0</i>
smg-20	1996-10-11	5	.	1	.	1	<a href="#">get it</a>
smg-21	1997-02-14	5	.	2	.	0	<a href="#">get it</a>
smg-22	1997-06-13	5	.	3	.	0	<a href="#">get it</a>
smg-23	1997-10-17	5	.	4	.	0	<a href="#">get it</a>
smg-24	1997-12-19	5	.	5	.	0	<a href="#">get it</a>
ETSI Publication	1998-01-19	5	.	5	.	1	<a href="#">get it</a>

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## TS 07.03 Terminal Adaptation Functions (TAF) for Services Using Synchronous Bearer Capabilities

R96 *current version:* 5.4.1 *WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*freeze\_meeting:* smg-22 *G:* yes *U:* *MCC:* BOSWARTHICK, David

*history (event, available, version, comments):*

smg-18	1996-04-12	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-20	1996-10-11	5	.	0	.	1	<a href="#">get it</a> <i>remarks - this release:</i> #18: 5.0.0 #20: 5.0.1 #21: 5.1.0 #22: 5.2.0 #23: 5.3.0 #24: 5.4.0
smg-21	1997-02-14	5	.	1	.	0	<a href="#">get it</a>
smg-22	1997-06-13	5	.	2	.	0	<a href="#">get it</a>
smg-23	1997-10-17	5	.	3	.	0	<a href="#">get it</a>
smg-24	1997-12-19	5	.	4	.	0	<a href="#">get it</a>
ETSI Publication	1998-01-19	5	.	4	.	1	<a href="#">get it</a>

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## TS 07.05 Use of Data Terminal Equipment - Data Circuit Terminating Equipment (DTE-DCE) Interface for Short Message Services (SMS) and Cell Broadcast Services (CBS)

R96 *current version:* 5.5.0 *WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*freeze\_meeting:* smg-22 *G:* yes *U:* *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*

smg-19	1996-06-28	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-20	1996-10-11	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
smg-21	1997-02-14	5	.	2	.	0	<a href="#">get it</a>
smg-22	1997-06-13	5	.	3	.	0	<a href="#">get it</a>
smg-23	1997-10-17	5	.	4	.	0	<a href="#">get it</a>
smg-24	1997-12-19	5	.	5	.	0	<a href="#">get it</a>

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## TS 07.07 AT Command set for GSM Mobile Equipment (ME)

R96 *current version:* 5.9.1 *WG (prime / other):* T2 / - *rapporteur:* CHRISTENSEN, Soren Telefon AB LM Ericsson  
*freeze\_meeting:* smg-22 *G:* yes *U:* *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*

smg-19	1996-06-28	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-20	1996-10-11	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
smg-21	1997-02-14	5	.	2	.	0	<a href="#">get it</a>
smg-22	1997-06-13	5	.	3	.	0	<a href="#">get it</a>
smg-23	1997-10-17	5	.	4	.	0	<a href="#">get it</a>
smg-24	1997-12-19	5	.	5	.	0	<a href="#">get it</a>
smg-25	1998-03-20	5	.	6	.	0	<a href="#">get it</a>
smg-26	1998-06-26	5	.	7	.	0	<a href="#">get it</a>
smg-27	1998-10-16	5	.	8	.	0	<a href="#">get it</a>
smg-29	1999-06-25	5	.	9	.	0	<a href="#">get it</a>
ETSI Publication	1999-07-25	5	.	9	.	1	<a href="#">get it</a>

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**TS 07.08 GSM Application Programming Interface**

R96 *current version:* 5.2.1 *WG (prime / other):* T2 / - *rapporteur:* RODERMUND, Friedhelm/Vodafone D2 GmbH  
*freeze\_meeting:* smg-22  
G: yes U: *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*

smg-20	1996-10-11	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-21	1997-02-14	5	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0 #21: 5.1.0 #24: 5.2.0
smg-24	1997-12-19	5	.	2	.	0	<a href="#">get it</a>	
ETSI Publication	1998-01-19	5	.	2	.	1	<a href="#">get it</a>	

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**TS 07.60 General Packet Radio Service (GPRS); Mobile Station (MS) supporting GPRS**

R96 *current version:* 5.1.0 *WG (prime / other):* N3 / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*freeze\_meeting:* smg-22  
G: yes U: *MCC:* BOSWARTHICK, David

*history (event, available, version, comments):*

smg-24	1997-12-19	5	.	1	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
								<i>remarks - this release:</i> #24: 5.1.0

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08 .- series

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**TS 08.01 General Aspects on the BSS-MSC Interface**

R96 *current version:* 5.0.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*freeze\_meeting:* smg-22  
G: yes U: *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*

smg-20	1996-10-11	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
								<i>remarks - this release:</i>

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**TS 08.02 Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles**

R96 *current version:* 5.1.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*freeze\_meeting:* smg-22  
G: yes U: *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*

smg-20	1996-10-11	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-21	1997-02-14	5	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>

G = required in systems with GERAN access; U = required in systems with UMTS access.



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ACTIVE specs R96 08 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/08\\_series](http://www.3gpp.org/ftp/Specs/archive/08_series)

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## TS 08.04 Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification

R96 *current version:* 5.0.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*freeze\_meeting:* smg-22 *G:* yes *U:* *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
smg-20 1996-10-11 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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## TS 08.06 Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface

R96 *current version:* 5.3.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*freeze\_meeting:* smg-22 *G:* yes *U:* *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
smg-17 1996-02-02 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-18 1996-04-12 5 . 1 . 0 [get it](#) *remarks - this release:*  
smg-25 1998-03-20 5 . 2 . 0 [get it](#)  
smg-28 1999-02-12 5 . 3 . 0 [get it](#)

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## TS 08.08 Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification

R96 *current version:* 5.12.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*freeze\_meeting:* smg-22 *G:* yes *U:* *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
smg-16 1995-10-20 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-17 1996-02-02 5 . 1 . 0 [get it](#) *remarks - this release:*  
smg-18 5 . 2 . 0  
smg-19 5 . 3 . 0  
smg-20 1996-10-11 5 . 4 . 0 [get it](#)  
smg-21 1997-02-14 5 . 5 . 0 [get it](#)  
smg-22 1997-06-13 5 . 6 . 0 [get it](#)  
smg-23 5 . 7 . 0  
smg-24 5 . 8 . 0  
smg-25 5 . 9 . 0  
smg-28 1998-06-29 5 . 10 . 0 [get it](#)  
smg-29 1999-06-25 5 . 11 . 0 [get it](#)  
smg-31b 2000-04-17 5 . 12 . 0 [get it](#)

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 08.18</b>	<b>General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol</b>					
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> BLACK, Jyoti	MOTOROLA		
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC: THOMASEN, Gert			
	<i>history (event, available, version, comments):</i>					
	smg-24 1997-12-19 5 . 0 . 0	withdrawn smg-25	<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i>		
<hr/>						
<b>TS 08.20</b>	<b>Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface</b>					
R96	<i>current version:</i> 5.4.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> RÄSÄNEN, Juha	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC: BOSWARTHICK, David			
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-21 1997-02-14 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-22 1997-06-13 5 . 2 . 0		<a href="#">get it</a>			
	smg-24 1997-12-19 5 . 3 . 0		<a href="#">get it</a>			
	NP-11 2001-04-04 5 . 4 . 0		<a href="#">get it</a>			
<hr/>						
<b>TS 08.51</b>	<b>Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects</b>					
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S		
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC: THOMASEN, Gert	Skov		
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i>		
<hr/>						
<b>TS 08.52</b>	<b>Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles</b>					
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S		
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC: THOMASEN, Gert	Skov		
	<i>history (event, available, version, comments):</i>					
	smg-20 1996-10-11 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i>		

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<b>TS 08.54</b>	<b>BSC-BTS Layer 1; Structure of Physical Circuits</b>								
R96	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> G2 / -		<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S			
	<i>freeze_meeting:</i> smg-22				Skov				
			<i>G: yes</i> <i>U:</i>		<i>MCC:</i>	THOMASEN, Gert			
	<i>history (event, available, version, comments):</i>				<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-16 1995-10-20 5 . 0 . 0					<i>remarks - this release:</i>			
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<b>TS 08.56</b>	<b>BSC-BTS Layer 2; Specification</b>								
R96	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> G2 / -		<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S			
	<i>freeze_meeting:</i> smg-22				Skov				
			<i>G: yes</i> <i>U:</i>		<i>MCC:</i>	THOMASEN, Gert			
	<i>history (event, available, version, comments):</i>				<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-20 1996-10-11 5 . 0 . 0					<i>remarks - this release:</i>			
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<b>TS 08.58</b>	<b>Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification</b>								
R96	<i>current version:</i> 5.10.0		<i>WG (prime / other):</i> G2 / -		<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S			
	<i>freeze_meeting:</i> smg-22				Skov				
			<i>G: yes</i> <i>U:</i>		<i>MCC:</i>	THOMASEN, Gert			
	<i>history (event, available, version, comments):</i>				<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-16 1995-10-20 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - this release:</i> #16: 5.0.0 #17: 5.1.0 #19: 5.2.0 #21: 5.3.0 #22: 5.4.0 #23: 5.5.0 #24: 5.6.0 #25:			
	smg-17 1996-02-02 5 . 1 . 0					5.7.0 #26: 5.8.0 #29: 5.9.0 #30: 5.10.0			
	smg-19 1996-06-28 5 . 2 . 0				<a href="#">get it</a>				
	smg-21 1997-02-14 5 . 3 . 0				<a href="#">get it</a>				
	smg-22 1997-06-13 5 . 4 . 0				<a href="#">get it</a>				
	smg-23 1997-10-17 5 . 5 . 0				<a href="#">get it</a>				
	smg-24 1997-12-19 5 . 6 . 0				<a href="#">get it</a>				
	smg-25 1998-03-20 5 . 7 . 0				<a href="#">get it</a>				
	smg-26 1998-06-26 5 . 8 . 0				<a href="#">get it</a>				
	smg-29 1999-06-25 5 . 9 . 0				<a href="#">get it</a>				
	smg-30 1999-11-11 5 . 10 . 0				<a href="#">get it</a>				

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**TS 08.60 In-band control of remote transcoders and rate adaptors for Enhanced Full Rate (EFR) and full rate traffic channels**  
R96 *current version:* 5.1.1 *WG (prime / other):* G1 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-22 G: yes U: MCC: USAI, Paolino

*history (event, available, version, comments):*

smg-17	1996-02-02	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
smg-19	1996-06-28	5	.	0	.	1	<a href="#">get it</a>	<i>remarks - this release:</i>	
smg-20	1996-10-11	5	.	0	.	2	<a href="#">get it</a>		
smg-22	1997-06-13	5	.	1	.	0	<a href="#">get it</a>		
ETSI Publication	1997-07-13	5	.	1	.	1	<a href="#">get it</a>		

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**TS 08.61 In-band control of remote transcoders and rate adaptors for half rate traffic channels**  
R96 *current version:* 5.0.1 *WG (prime / other):* G1 / NP *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-22 G: yes U: MCC: USAI, Paolino

*history (event, available, version, comments):*

smg-20	1996-10-11	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
ETSI Publication	1996-11-11	5	.	0	.	1	<a href="#">get it</a>	<i>remarks - this release:</i>	

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R96 09 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/09\\_series](http://www.3gpp.org/ftp/Specs/archive/09_series)

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**TR 09.01 General Network Interworking Scenarios**  
R96 *current version:* 5.0.0 *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*freeze\_meeting:* smg-22 G: yes U: MCC: KYMALAINEN, Kimmo

*history (event, available, version, comments):*

smg-20	1996-10-11	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	
								<i>remarks - this release:</i>	

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## TS 09.02 Mobile Application Part (MAP) Specification

R96 current version: 5.19.0

freeze\_meeting: smg-22

history (event, available, version, comments):

smg-16	1995-10-20	5	.	0	.	0
smg-17	1996-02-02	5	.	1	.	0
smg-18	1996-04-12	5	.	2	.	0
smg-19	1996-06-28	5	.	3	.	0
smg-20	1996-10-11	5	.	4	.	0
ETSI publication	1997-06-03	5	.	4	.	1
smg-21	1997-02-14	5	.	5	.	0
edito	1997-05-23	5	.	5	.	1
ETSI publication	1997-11-05	5	.	5	.	2
smg-22	1997-06-13	5	.	6	.	0
ETSI publication	1998-02-02	5	.	6	.	1
smg-23	1997-10-17	5	.	7	.	0
smg-24	1997-12-19	5	.	8	.	0
ETSI publication	1998-07-23	5	.	8	.	1
smg-25	1998-03-20	5	.	9	.	0
ETSI publication	1999-03-09	5	.	9	.	1
smg-26	1998-06-26	5	.	10	.	0
ETSI publication	1999-09-05	5	.	10	.	1
smg-27	1998-10-16	5	.	11	.	0
ETSI publication	1999-03-23	5	.	11	.	1
smg-28	1999-02-12	5	.	12	.	0
ETSI publication	1999-08-04	5	.	12	.	1
smg-29	1999-06-25	5	.	13	.	0
ETSI publication	1999-12-29	5	.	13	.	1
NP-05	1999-10-08	5	.	14	.	0
ETSI publication	2000-05-09	5	.	14	.	1
NP-06	1999-12-15	5	.	15	.	0
NP-09	2000-11-13	5	.	16	.	0
NP-15	2002-04-04	5	.	17	.	0
include SDLs	2002-07-22	5	.	17	.	1
NP-19	2003-04-04	5	.	18	.	0
NP-21	2003-10-09	5	.	19	.	0

WG (prime / other): N4 / - rapporteur: WIEHE, Ulrich Gesellschaft für Kommunikations Software  
G: yes U: MCC: KYMALAINEN, Kimmo

[get it](#) remarks - general: CN->N4 Apr00 (JMM)

[get it](#) remarks - this release:

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<b>TS 09.03</b>	<b>Signalling Requirements on Interworking between the Intergrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) and the Public Land Mobile</b>
R96	<i>current version:</i> <b>Network (PLMN)</b> 5.0.0 <i>WG (prime / other):</i> N3 /- <i>rapporteur:</i> BOSWARTHICK, David ETSI Secretariat
	<i>freeze_meeting:</i> smg-22 <i>G:</i> yes <i>U:</i> <i>MCC:</i> BOSWARTHICK, David
	<i>history (event, available, version, comments):</i> smg-20 1996-10-11 5 . 0 . 0 <a href="#">get it</a> <i>remarks - general:</i> N3: "no R99 needed". <i>remarks - this release:</i> #20: 5.0.0
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<b>TS 09.04</b>	<b>Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)</b>
R96	<i>current version:</i> 5.0.0 <i>WG (prime / other):</i> N3 /- <i>rapporteur:</i> BOSWARTHICK, David ETSI Secretariat
	<i>freeze_meeting:</i> smg-22 <i>G:</i> yes <i>U:</i> <i>MCC:</i> BOSWARTHICK, David
	<i>history (event, available, version, comments):</i> smg-20 1996-10-11 5 . 0 . 0 <a href="#">get it</a> <i>remarks - general:</i> N3: "no R99 needed". <i>remarks - this release:</i> #20: 5.0.0
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<b>TS 09.05</b>	<b>Interworking between the PLMN and the PSPDN for PAD Access</b>
R96	<i>current version:</i> 5.0.0 <i>WG (prime / other):</i> N3 /- <i>rapporteur:</i> BOSWARTHICK, David ETSI Secretariat
	<i>freeze_meeting:</i> smg-22 <i>G:</i> yes <i>U:</i> <i>MCC:</i> BOSWARTHICK, David
	<i>history (event, available, version, comments):</i> smg-20 1996-10-11 5 . 0 . 0 <a href="#">get it</a> <i>remarks - general:</i> N3: "no R99 needed". <i>remarks - this release:</i> #20: 5.0.0
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<b>TS 09.06</b>	<b>Interworking between a Public Land Mobile Network (PLMN) and a Packet Switched Public Data Network/Intergrated Services digital Network (PSPDN/ISDN) for Support of Packet</b>
R96	<i>current version:</i> <b>Switched Data Transmission Services</b> 5.0.2 <i>WG (prime / other):</i> N3 /- <i>rapporteur:</i> BOSWARTHICK, David ETSI Secretariat
	<i>freeze_meeting:</i> smg-22 <i>G:</i> yes <i>U:</i> <i>MCC:</i> BOSWARTHICK, David
	<i>history (event, available, version, comments):</i> smg-19 1996-06-28 5 . 0 . 0 <a href="#">get it</a> <i>remarks - general:</i> N3: "no R99 needed". smg-20 1996-10-11 5 . 0 . 1 <a href="#">get it</a> <i>remarks - this release:</i> #19: 5.0.0 #20: 5.0.1 ETSI Publication 1996-11-11 5 . 0 . 2 <a href="#">get it</a>

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 09.07</b>	<b>General Requirements on Interworking between the Public Land Mobile Network (PLMN) and the Intergrated Services Digital Network (ISDN) or Public Switched Telephone</b>							
R96	<i>current version: Network (PSTN)</i>	5.10.1	<i>WG (prime / other):</i>	N3	/-	<i>rapporteur:</i>	KLEHN, Norbert	
SIEMENS AG								
	<i>freeze_meeting:</i> smg-22		G: yes	U:		<i>MCC:</i>	BOSWARTHICK, David	
	<i>history (event, available, version, comments):</i>							
	smg-16 1995-10-20	5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-17 1996-02-02	5 . 0 . 1				<a href="#">get it</a>	<i>remarks - this release:</i> #16: 5.0.0 #17: 5.0.1 #18: 5.1.0 #19: 5.2.0 #20: 5.2.1 #21: 5.3.0 #22: 5.4.0 #23: 5.5.0 #24: 5.6.0 #25: 5.7.0 #27: 5.8.0 #28: 5.9.0 N#6: 5.10.0	
	smg-18 1996-04-12	5 . 1 . 0				<a href="#">get it</a>		
	smg-19 1996-06-28	5 . 2 . 0				<a href="#">get it</a>		
	smg-20 1996-10-11	5 . 2 . 1				<a href="#">get it</a>		
	smg-21 1997-02-14	5 . 3 . 0				<a href="#">get it</a>		
	smg-22 1997-06-13	5 . 4 . 0				<a href="#">get it</a>		
	smg-23 1997-10-17	5 . 5 . 0				<a href="#">get it</a>		
	smg-24 1997-12-19	5 . 6 . 0				<a href="#">get it</a>		
	smg-25 1998-03-20	5 . 7 . 0				<a href="#">get it</a>		
	smg-27 1998-10-16	5 . 8 . 0				<a href="#">get it</a>		
	smg-28 1999-02-12	5 . 9 . 0				<a href="#">get it</a>		
	NP-06 1999-12-15	5 . 10 . 0				<a href="#">get it</a>		
	ETSI Publication 2000-07-05	5 . 10 . 1				<a href="#">get it</a>		

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<b>TS 09.08</b>	<b>Application of the Base Station System Application Part (BSSAP) on the E-Interface</b>							
R96	<i>current version: 5.1.0</i>		<i>WG (prime / other):</i>	N1	/-	<i>rapporteur:</i>	FARHOUMAND, Rouzbeh Ericsson Incorporated	
	<i>freeze_meeting:</i> smg-22							
	<i>history (event, available, version, comments):</i>		G: yes	U:		<i>MCC:</i>	JORGENSEN, Per Johan	
	smg-20 1996-10-11	5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-21 1997-02-14	5 . 1 . 0				<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0 #21: 5.1.0	

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<b>TS 09.10</b>	<b>Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling</b>							
R96	<i>current version: Procedures and the Mobile Application Part (MAP)</i>	5.2.0	<i>WG (prime / other):</i>	N4	/-	<i>rapporteur:</i>	KYMALAINEN, Kimmo	
TeliaSonera AB								
	<i>freeze_meeting:</i> smg-22		G: yes	U:		<i>MCC:</i>	KYMALAINEN, Kimmo	
	<i>history (event, available, version, comments):</i>							
	smg-17 1996-02-02	5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-18 1996-04-12	5 . 1 . 0				<a href="#">get it</a>	<i>remarks - this release:</i> #17: 5.0.0 #18: 5.1.0 #23: 5.2.0	
	smg-23 1997-10-17	5 . 2 . 0				<a href="#">get it</a>		

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<b>TS 09.11</b>	<b>Signalling Interworking for Supplementary Services</b>						
R96	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software			
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>						
	smg-18 1996-04-12 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-19 1996-06-28 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #18: 5.0.0 #19: 5.1.0			
<hr/>							
<b>TS 09.78</b>	<b>CAMEL Application Part phase 2 (stage 3)</b>						
R96	<i>current version:</i> 5.7.0	<i>WG (prime / other):</i> N2 / -	<i>rapporteur:</i> NOLDUS, Rogier	Telefon AB LM Ericsson			
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> JURISIC, Andrijana				
	<i>history (event, available, version, comments):</i>						
	smg-21 2000-02-14 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-22 1997-06-13 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-23 1997-10-17 5 . 2 . 0		<a href="#">get it</a>				
	smg-24 1997-12-19 5 . 3 . 0		<a href="#">get it</a>				
	smg-25 1998-03-20 5 . 4 . 0		<a href="#">get it</a>				
	smg-26 1998-06-26 5 . 5 . 0		<a href="#">get it</a>				
	smg-28 1999-02-12 5 . 6 . 0		<a href="#">get it</a>				
	smg-29 1999-06-25 5 . 7 . 0		<a href="#">get it</a>				
<hr/>							
<b>TR 09.90</b>	<b>Interworking between Phase 1 Infrastructure and Phase 2 Mobile Stations (MS)</b>						
R96	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> HOWELL, Andrew	MOTOROLA Ltd			
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan				
	<i>history (event, available, version, comments):</i>						
	smg-17? 1996-02-02 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-22 2001-01-02 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>							
<b>TR 09.94</b>	<b>Recommended infrastructure measures to overcome specific Mobile Station (MS) faults</b>						
R96	<i>current version:</i> 5.1.1	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S			
	<i>freeze_meeting:</i> smg-21	<i>G: yes U:</i>	<i>MCC:</i> Skov JORGENSEN, Per Johan				
	<i>history (event, available, version, comments):</i>						
	smg-20 1996-10-11 5 . 0 . 0	withdrawn SMG-30; reinstated NP-16	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-16 2002-06-26 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> 2002-05-02 (Hietalahti): Anticipate resurrection as null document pointing to latest Release version.			
	edito post NP-18 2002-12-16 5 . 1 . 1	minor editorials to change style from TS to TR.	<a href="#">get it</a>				

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G = required in systems with GERAN acces; U = required in systems with UMTS access.



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## TS 10.00 Digital Cellular Telecommunication System Feature Description

R96 *current version:* 5.2.1 *WG (prime / other):* S2 / - *rapporteur:* BERGMANN, Ansgar Deutsche Telekom AG  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

smg-19		5	.	0	.	0	
smg-19		5	.	1	.	0	
edito		5	.	1	.	2	
smg-20		5	.	2	.	0	
Editorial correction	1996-11-11	5	.	2	.	1	

[get it](#) *remarks - general:*  
*remarks - this release:* Jun00: version we have is actually 5.1.2 !

## TR 10.02 Guidelines for the modification of the Mobile Application Part (MAP) in phase 2+

R96 *current version:* 5.1.0 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

smg-21	1997-02-14	1	.	0	.	0	
smg-25	1998-03-20	1	.	1	.	0	
smg-25	1998-03-20	5	.	0	.	0	
smg-28	1999-02-12	5	.	1	.	0	

[get it](#) *remarks - general:*  
*remarks - this release:* #21: 1.0.0 #25: 1.1.0->5.0.0 #28:5.1.0

## TR 10.14 System overview for 14.4 kbit/s Work Item

R96 *current version:* 5.0.0 *WG (prime / other):* S2 / - *rapporteur:* SULTAN, Alain SOURCE COM  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

smg-22	1997-06-18	1	.	0	.	0	
smg-22	1997-07-23	1	.	0	.	1	
smg-22		2	.	0	.	0	
smg-22		5	.	0	.	0	

[get it](#) *remarks - general:* still alive? June-2001:no. So no propogation to later releases.  
*remarks - this release:*

## TR 10.20 Lawful Interception requirements for GSM

R96 *current version:* 5.0.1 *WG (prime / other):* S3 / - *rapporteur:* MCKIBBEN, Bernie MOTOROLA GmbH  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* POPE, Maurice

*history (event, available, version, comments):*

smg-20	1996-10-11	5	.	0	.	0	
ETSI publication	1997-01-20	5	.	0	.	1	

[get it](#) *remarks - general:* Replaced by 01.33.  
*remarks - this release:* SMG#20:5.0.0

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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R96 11 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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**TS 11.10-1 Mobile station (MS) conformance specification; Part 1: Conformance specification**

R96 *current version:* 5.12.2 *WG (prime / other):* G3new/ S1 / *rapporteur:* SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* smg-22 NP /

T2 /  
SCP

*G:* yes *U:* *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

	smg-18	1996-04-12	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i> R99 version now serves all releases. Earlier releases closed.. Subsequently replaced
	smg-21	1997-02-14	5	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> #31bis: closed (R99 version serves all releases) by Rel-5 equivalent. 2001-11-19: G4-
>G5.	smg-22	1997-06-13	5	.	2	.	0	<a href="#">get it</a>	
	smg-23	1997-10-17	5	.	3	.	0	<a href="#">get it</a>	
	smg-24	1997-12-19	5	.	4	.	0	<a href="#">get it</a>	
	smg-25	1998-03-20	5	.	5	.	0	<a href="#">get it</a>	
	smg-26	1998-06-06	5	.	6	.	0	<a href="#">get it</a>	
	smg-27	1998-10-16	5	.	7	.	0	<a href="#">get it</a>	
	smg-28	1999-02-12	5	.	8	.	0	<a href="#">get it</a>	
	smg-29	1999-06-25	5	.	9	.	0	<a href="#">get it</a>	
	smg-30	1999-11-11	5	.	10	.	0	<a href="#">get it</a>	
	smg-31	2000-02-16	5	.	11	.	0	<a href="#">get it</a>	
	Editorial correction	2000-02-16	5	.	11	.	1	<a href="#">get it</a>	
	GP-06	2001-09-06	5	.	12	.	0	<a href="#">get it</a>	
	Editorial correction	2002-08-01	5	.	12	.	1	<a href="#">get it</a>	
	Editorial correction	2002-08-02	5	.	12	.	2	<a href="#">get it</a>	

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 11.10-3 Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)

R96 *current version:* 5.1.0 *WG (prime / other):* G3new/ S1 / *rapporteur:* SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* smg-22 NP /  
T2 /  
SCP

G: yes U: MCC: CLAYTON, Michael

### *history (event, available, version, comments):*

smg-30	1999-11-11	5	.	0	.	0
smg-18	1996-04-12	5	.	0	.	0
ETSI publication	2000-06-23	5	.	0	.	1
GP-06	2001-09-06	5	.	1	.	0

[get it](#) *remarks - general:* 2001-11-19: G4->G5.  
[get it](#) *remarks - this release:* #32:closed GP-06: Rel-4 serves all releases. But this version still exists!  
[get it](#)  
[get it](#)

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## TS 11.10-4 Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification

R96 *current version:* 5.6.0 *WG (prime / other):* T3 / G2, *rapporteur:* SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* smg-22 G3new

G: yes U: MCC: JURISIC, Andrijana

### *history (event, available, version, comments):*

smg-30	1999-11-11	5	.	0	.	0
smg-31	2000-02-16	5	.	1	.	0

withdraw the R96 version, since the R99 version

[get it](#) *remarks - general:* TP-17: T3 proposes to take over this spec from G5, and to approve a new R99 version  
[get it](#) *remarks - this release:* GP-13: doc becomes pointer to latest Rel version. not derived from R96 by CR; also to  
will cover all previous Releases. TP-20: accepted by T3 (from G4).

editorial	2000-09-15	5	.	1	.	1
GP-02	2000-11-30	5	.	2	.	0
GP-04	2001-03-29	5	.	3	.	0
GP-04	2001-04-11	5	.	3	.	0
GP-06	2001-08-31	5	.	4	.	0
GP-07	2002-01-09	5	.	5	.	0
GP-13	2003-02-21	5	.	6	.	0

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 11.11</b>	<b>Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface</b>						
R96	<i>current version:</i> 5.10.1	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> GUTHERY, Scott B.	Mobile-Mind Inc.			
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> JURISIC, Andrijana				
	<i>history (event, available, version, comments):</i>						
	smg-16 1995-10-20 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-17 1996-02-02 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>				
	smg-18 1996-04-12 5 . 2 . 0	<a href="#">get it</a>					
	smg-19 1996-06-28 5 . 3 . 0	<a href="#">get it</a>					
	smg-20 1996-10-11 5 . 4 . 0	<a href="#">get it</a>					
	smg-21 1997-02-14 5 . 5 . 0	<a href="#">get it</a>					
	smg-22 1997-06-13 5 . 6 . 0	<a href="#">get it</a>					
	smg-23 1997-10-17 5 . 7 . 0	<a href="#">get it</a>					
	smg-24 1997-12-19 5 . 8 . 0	<a href="#">get it</a>					
	smg-25 1998-03-20 5 . 9 . 0	<a href="#">get it</a>					
	smg-26 1998-06-26 5 . 10 . 0	<a href="#">get it</a>					
	Editorial correction 1998-06-26 5 . 10 . 1	<a href="#">get it</a>					

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<b>TS 11.14</b>	<b>Specification of the SIM Application Toolkit (SAT) for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface</b>						
R96	<i>current version:</i> 5.9.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> WOODSEND, Kristian	Indicate persons who left Company and wait for new One			
	<i>freeze_meeting:</i> smg-27	G: yes U:	<i>MCC:</i> JURISIC, Andrijana				
	<i>history (event, available, version, comments):</i>						
	smg-18 1996-04-12 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-19 1996-06-28 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>				
	smg-20 1996-10-11 5 . 2 . 0	<a href="#">get it</a>					
	smg-21 1997-02-14 5 . 3 . 0	<a href="#">get it</a>					
	smg-22 1997-06-13 5 . 4 . 0	<a href="#">get it</a>					
	smg-23 1997-10-17 5 . 5 . 0	<a href="#">get it</a>					
	smg-24 1997-12-19 5 . 6 . 0	<a href="#">get it</a>					
	smg-25 1998-03-20 5 . 7 . 0	<a href="#">get it</a>					
	smg-26 1998-06-26 5 . 8 . 0	<a href="#">get it</a>					
	smg-27 1998-10-16 5 . 9 . 0	<a href="#">get it</a>					

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**TS 11.26 Base Station System (BSS) equipment specification; Part 4: Repeaters**

R96 *current version:* 5.2.1 *WG (prime / other):* G1 / - *rapporteur:* VACANT,  
*freeze\_meeting:* smg-22 *G: yes U:* MCC: USAI, Paolino  
*history (event, available, version, comments):*  
<to be defined> 5 . 0 . 0 *remarks - general:*  
smg-25 1998-03-20 5 . 1 . 0 [get it](#) *remarks - this release:* .  
smg-26 1998-06-26 5 . 2 . 0 [get it](#)  
Editorial correction 1998-06-26 5 . 2 . 1 [get it](#)

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R96 12 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

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**TS 12.02 Subscriber, Mobile Equipment (ME) and Services Data Administration**

R96 *current version:* 5.0.1 *WG (prime / other):* S5 / S1 *rapporteur:* TRUSS, Michael MOTOROLA Ltd  
*freeze\_meeting:* smg-22 *G: yes U:* MCC: ZOICAS, Adrian  
*history (event, available, version, comments):*  
smg-22 1997-06-13 5 . 0 . 0 [get it](#) *remarks - general:*  
Editorial correction 1997-07-13 5 . 0 . 1 [get it](#) *remarks - this release:*

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**TS 12.05 Subscriber Related Call and Event Data**

R96 *current version:* 5.0.1 *WG (prime / other):* S5 / S1 *rapporteur:* ALEXANDER, Benni NOKIA Corporation  
*freeze\_meeting:* smg-22 *G: yes U:* MCC: ZOICAS, Adrian  
*history (event, available, version, comments):*  
smg-23 1997-10-17 5 . 0 . 0 [get it](#) *remarks - general:*  
Editorial correction 1997-10-17 5 . 0 . 1 [get it](#) *remarks - this release:*

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**TS 12.08 Subscriber and Equipment trace**

R96 *current version:* 5.1.1 *WG (prime / other):* S5 / NP *rapporteur:* RONKA, Kari NOKIA Corporation  
*freeze\_meeting:* smg-22 *G: yes U:* MCC: ZOICAS, Adrian  
*history (event, available, version, comments):*  
smg-23 1997-10-17 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-25 1998-03-20 5 . 1 . 0 [get it](#) *remarks - this release:*  
Editorial correction 1998-03-20 5 . 1 . 1 [get it](#)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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**TS 12.21 Network Management (NM) procedures and messages on the A-bis interface**  
R96 *current version:* 5.0.0 *WG (prime / other):* G1 / S5 *rapporteur:* TRUSS, Michael MOTOROLA Ltd  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
smg-21 1997-02-14 5 . 0 . 0 [get it](#) *remarks - general:* SP-13: S5->G3 but no change of rapporteur.  
*remarks - this release:*

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## Ph2

Ph2 01 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/01\\_series](http://www.3gpp.org/ftp/Specs/archive/01_series)

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**TS 01.01 Technical Specifications and Technical Reports for a GERAN-based 3GPP system**  
Ph2 *current version:* 4.0.0 *WG (prime / other):* SP / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
*freeze\_meeting:* *G: yes U:* *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
SP-20 2003-06-25 4 . 0 . 0 [get it](#) *remarks - general:* post-SP-19: title changed from "GSM Release 1999 Specifications" to cater for  
*remarks - this release:* . backwards extension to earlier releases.

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**TS 01.02 General Description of a GSM Public Land Mobile Network (PLMN)**  
Ph2 *current version:* 4.0.2 *WG (prime / other):* S1 / GP / NP *rapporteur:* CLAYTON, Michael EMCOM Ltd  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
smg-07 1993-06-25 4 . 0 . 1 [get it](#) *remarks - general:*  
smg-08 1993-10-01 4 . 0 . 2 [get it](#) *remarks - this release:*

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TR 01.04 Abbreviations and acronyms

Ph2 *current version:* 4.1.2 *WG (prime / other):* GP / - *rapporteur:* CLAYTON, Michael EMCOM Ltd  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*

smg-08	1993-10-01	4	.	0	.	1	<a href="#">get it</a>	<i>remarks - general:</i>
smg-09	1994-01-21	4	.	0	.	3	<a href="#">get it</a>	<i>remarks - this release:</i>
smg-10	1994-04-15	4	.	0	.	4	<a href="#">get it</a>	
smg-11	1994-07-01	4	.	1	.	0	<a href="#">get it</a>	
smg-12	1994-10-07	4	.	1	.	1	<a href="#">get it</a>	
smg-14	1994-04-07	4	.	1	.	2	<a href="#">get it</a>	

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Ph2 02 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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## TS 02.01 Principles of telecommunication services supported by a GSM Public Land Mobile Network (PLMN)

Ph2 *current version:* 4.6.0 *WG (prime / other):* S1 / - *rapporteur:* KOKKOLA, Tommi NOKIA Corporation  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*

smg-07	1993-06-25	4	.	2	.	1	<a href="#">get it</a>	<i>remarks - general:</i>
smg-08	1993-10-01	4	.	3	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
smg-10	1994-04-15	4	.	4	.	0	<a href="#">get it</a>	
smg-11	1994-07-01	4	.	4	.	1	<a href="#">get it</a>	
smg-12	1994-10-07	4	.	5	.	0	<a href="#">get it</a>	
smg-15	1995-07-07	4	.	6	.	0	<a href="#">get it</a>	

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## TS 02.02 Bearer Services (BS) Supported by a GSM Public Land Mobile Network (PLMN)

Ph2 *current version:* 4.2.2 *WG (prime / other):* S1 / - *rapporteur:* CARPENTER, Paul Research In Motion Limited  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*

smg-07	1993-06-25	4	.	1	.	1	<a href="#">get it</a>	<i>remarks - general:</i>
smg-08	1993-10-01	4	.	2	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
PT12 final draft	1994-05-09	4	.	2	.	1	<a href="#">get it</a>	
ETSI publication	1998-06-10	4	.	2	.	2	<a href="#">get it</a>	

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 02.03</b>	<b>Teleservices Supported by a GSM Public Land Mobile Network (PLMN)</b>					
Ph2	<i>current version:</i> 4.3.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> KOKKOLA, Tommi	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 2 . 2		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-11 1994-07-01 4 . 3 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	ETSI publication 1996-01-19 4 . 3 . 1		<a href="#">get it</a>			
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<b>TS 02.04</b>	<b>General on Supplementary Services</b>					
Ph2	<i>current version:</i> 4.9.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CARPENTER, Paul	Research In Motion Limited		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 5 . 1		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-08 1993-10-01 4 . 6 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-10 1994-04-15 4 . 7 . 0		<a href="#">get it</a>			
	smg-12 1994-10-07 4 . 8 . 0		<a href="#">get it</a>			
	smg-15 1995-07-07 4 . 9 . 0		<a href="#">get it</a>			
	smg-16 1995-10-20 4 . 9 . 1		<a href="#">get it</a>			
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<b>TS 02.06</b>	<b>Types of Mobile Stations (MS)</b>					
Ph2	<i>current version:</i> 4.5.2	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> WATSON, John	VODAFONE Group Plc		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 1 . 1		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-08 1993-10-01 4 . 2 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-14 1995-04-07 4 . 3 . 0		<a href="#">get it</a>			
	smg-16 1995-07-07 4 . 4 . 0		<a href="#">get it</a>			
	smg-22 1997-06-13 4 . 5 . 0		<a href="#">get it</a>			
	ETSI OAP 1997-07-21 4 . 5 . 1		<a href="#">get it</a>			
	ETSI publication 1998-01-14 4 . 5 . 2		<a href="#">get it</a>			

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<b>TS 02.07</b>	<b>Mobile Station (MS) Features</b>						
Ph2	<i>current version:</i> 4.8.2	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> WATSON, John	VODAFONE Group Plc			
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>						
	smg-07 1993-06-25 4 . 4 . 1	<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-08 1993-10-01 4 . 4 . 2	<a href="#">get it</a>	<i>remarks - this release:</i>				
	smg-10 1994-04-15 4 . 5 . 0	<a href="#">get it</a>					
	smg-11 1994-07-01 4 . 6 . 0	<a href="#">get it</a>					
	smg-15 1995-07-07 4 . 7 . 0	<a href="#">get it</a>					
	smg-22 1997-06-13 4 . 8 . 0	<a href="#">get it</a>					
	ETSI OAP 1997-07-21 4 . 8 . 1	<a href="#">get it</a>					
	ETSI publication 1998-01-14 4 . 8 . 2	<a href="#">get it</a>					

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<b>TS 02.09</b>	<b>Security aspects</b>						
Ph2	<i>current version:</i> 4.5.1	<i>WG (prime / other):</i> S3 / S1 / NP	<i>rapporteur:</i>	CHRISTOFFERSSON, Per	TeliaSonera AB		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> POPE, Maurice				
	<i>history (event, available, version, comments):</i>						
	smg-07 1993-06-25 4 . 2 . 1	<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-12 1994-10-07 4 . 3 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>				
	smg-22 1997-06-13 4 . 4 . 0	<a href="#">get it</a>					
	ETSI publication 1998-01-14 4 . 4 . 1	<a href="#">get it</a>					
	smg-31 2000-02-16 4 . 5 . 0	<a href="#">get it</a>					
	ETSI publication 2000-08-29 4 . 5 . 1	<a href="#">get it</a>					

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<b>TS 02.11</b>	<b>Service accessibility</b>						
Ph2	<i>current version:</i> 4.9.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> IBIDUN, Kunle	ORANGE PCS LTD			
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>						
	smg-07 1993-06-25 4 . 5 . 1	<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-10 1994-04-15 4 . 6 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>				
	ETSI OAP 1995-08-21 4 . 7 . 0	<a href="#">get it</a>					
	smg-16 1995-10-20 4 . 8 . 0	<a href="#">get it</a>					
	smg-17 1996-02-02 4 . 9 . 0	<a href="#">get it</a>					

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## TS 02.16 International Mobile Station Equipment Identities (IMEI)

Ph2 *current version:* 4.7.1 *WG (prime / other):* S1 / - *rapporteur:* KOKKOLA, Tommi NOKIA Corporation  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

smg-07	1993-06-25	4 . 3 . 1	<a href="#">get it</a>	<i>remarks - general:</i>
smg-12	1994-10-07	4 . 4 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
smg-13	1995-01-27	4 . 5 . 0	<a href="#">get it</a>	
smg-30	1999-11-11	4 . 6 . 0	<a href="#">get it</a>	
ETSI publication	2000-07-07	4 . 6 . 1	<a href="#">get it</a>	
smg-08	1993-10-01	4 . 7 . 0	<a href="#">get it</a>	
ETSI publication	2000-11-28	4 . 7 . 1	<a href="#">get it</a>	

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## TS 02.17 Subscriber Identity Module (SIM); Functional characteristics

Ph2 *current version:* 4.3.3 *WG (prime / other):* T3 / S1 *rapporteur:* HOOKER, Philip ORANGE PCS LTD  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*

..	2001-08-30	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-02	2001-08-30	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
smg-05	1993-06-25	4 . 2 . 0	<a href="#">get it</a>	167/92
..	2001-08-30	4 . 2 . 1	<a href="#">get it</a>	98/93
smg-08	..	4 . 3 . 0		
..	1993-10-01	4 . 3 . 1	<a href="#">get it</a>	
ETSI PE	1993-11-01	4 . 3 . 2	<a href="#">get it</a>	
ETSI publication	1994-09-13	4 . 3 . 3	<a href="#">get it</a>	

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## TS 02.24 Description of Charge Advice Information (CAI)

Ph2 *current version:* 4.5.0 *WG (prime / other):* S1 / *rapporteur:* DEOL, Amar Nortel Networks (USA)  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

smg-07	1993-06-25	4 . 1 . 1	<a href="#">get it</a>	<i>remarks - general:</i>
smg-08	1993-10-01	4 . 2 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
smg-09	1994-01-21	4 . 2 . 1	<a href="#">get it</a>	
smg-10	1994-04-15	4 . 3 . 0	<a href="#">get it</a>	
smg-11	1994-07-01	4 . 4 . 0	<a href="#">get it</a>	
smg-15	1995-07-07	4 . 5 . 0	<a href="#">get it</a>	

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<b>TS 02.30</b>	<b>Man-machine Interface (MMI) of the Mobile Station (MS)</b>					
Ph2	<i>current version:</i> 4.13.0	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> JEAL, David	VODAFONE Group Plc		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 9 . 1	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-08 1993-10-01 4 . 10 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-10 1994-04-15 4 . 11 . 0	<a href="#">get it</a>				
	smg-12 1995-10-07 4 . 12 . 0	<a href="#">get it</a>				
	smg-13 1995-01-27 4 . 13 . 0	<a href="#">get it</a>				
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<b>TS 02.40</b>	<b>Procedures for Call Progress Indications</b>					
Ph2	<i>current version:</i> 4.5.0	<i>WG (prime / other):</i> S1 / NP	<i>rapporteur:</i> DEOL, Amar	Nortel Networks (USA)		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 2 . 1	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-09 1994-01-21 4 . 3 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-10 1994-04-15 4 . 4 . 0	<a href="#">get it</a>				
	smg-14 1995-04-07 4 . 5 . 0	<a href="#">get it</a>				
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<b>TS 02.41</b>	<b>Operator Determined Barring</b>					
Ph2	<i>current version:</i> 4.5.2	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> WATSON, John	VODAFONE Group Plc		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 4 . 1	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-08 1993-10-01 4 . 5 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	ETSI PE 1993-10-11 4 . 5 . 1	<a href="#">get it</a>				
	ETSI publication 1994-09-13 4 . 5 . 2	<a href="#">get it</a>				

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## TS 02.81 Line Identification Supplementary Services; Stage 1

Ph2 *current version:* 4.6.1 *WG (prime / other):* S1 / - *rapporteur:* BLOMSTRAND, Ola TeliaSonera AB  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

smg-07 1993-06-25 4 . 3 . 1  
smg-10 1994-04-15 4 . 4 . 0  
smg-11 1994-07-01 4 . 4 . 1  
smg-12 1994-10-07 4 . 5 . 0  
smg-16 1995-10-20 4 . 5 . 1  
smg-24 1997-12-19 4 . 6 . 0  
ETSI publication 1998-06-17 4 . 6 . 1

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #7: 4.3.1 #10: 4.4.0 #11: 4.4.1 #12: 4.5.0 #16: 4.5.1 #24: 4.6.0  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 02.82 Call Forwarding (CF) Supplementary Services; Stage 1

Ph2 *current version:* 4.5.2 *WG (prime / other):* S1 / - *rapporteur:* IBIDUN, Kunle ORANGE PCS LTD  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

smg-07 1993-06-25 4 . 4 . 2  
smg-10 1994-04-15 4 . 5 . 0  
smg-16 1995-10-20 4 . 5 . 2

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #7: 4.4.2 #10: 4.5.0 #16: 4.5.2  
[get it](#)

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## TS 02.83 Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1

Ph2 *current version:* 4.6.7 *WG (prime / other):* S1 / - *rapporteur:* CLAYTON, Michael EMCOM Ltd  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

smg-07 1993-06-25 4 . 6 . 3  
smg-10 1994-04-15 4 . 6 . 5  
smg-16 1995-10-20 4 . 6 . 7

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #7: 4.6.3 #10: 4.6.5 #16: 4.6.7  
[get it](#)

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## TS 02.84 MultiParty (MPPTY) Supplementary Services; Stage 1

Ph2 *current version:* 4.4.7 *WG (prime / other):* S1 / - *rapporteur:* SWETINA, Joerg SIEMENS AG  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

smg-07 1993-06-25 4 . 4 . 2  
smg-11 1994-07-01 4 . 4 . 5  
smg-16 1995-10-20 4 . 4 . 7

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #7: 4.4.2 #11: 4.4.5 #16: 4.4.7  
[get it](#)

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<b>TS 02.85</b>	<b>Closed User Group (CUG) Supplementary Services; Stage 1</b>					
Ph2	<i>current version:</i> 4.2.6	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> BLOMSTRAND, Ola	TeliaSonera AB		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 2 . 2		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-16 1995-10-20 4 . 2 . 6		<a href="#">get it</a>	<i>remarks - this release:</i> #7: 4.2.2 #16: 4.2.6		
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<b>TS 02.86</b>	<b>Advice of Charge (AoC) Supplementary Services; Stage 1</b>					
Ph2	<i>current version:</i> 4.1.5	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> DEOL, Amar	Nortel Networks (USA)		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 1 . 1		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-16 1993-10-01 4 . 1 . 5		<a href="#">get it</a>	<i>remarks - this release:</i> #7: 4.1.1 #16: 4.1.5		
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<b>TS 02.88</b>	<b>Call Barring (CB) Supplementary Services; Stage 1</b>					
Ph2	<i>current version:</i> 4.4.3	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> ACHTER, Johannes	T-Mobile AUSTRIA GmbH		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 3 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-08 1993-10-01 4 . 4 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #7: 4.3.0 #8: 4.4.0 #16: 4.4.3		
	smg-16 1995-01-27 4 . 4 . 3		<a href="#">get it</a>			
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<b>TS 02.90</b>	<b>Unstructured Supplementary Service Data (USSD); Stage 1</b>					
Ph2	<i>current version:</i> 4.1.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> IGNATIUS, Jan	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	smg-08 1993-10-01 4 . 0 . 1		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-21 1997-02-14 4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #8: 4.0.1 #21: 4.1.0		
	ETSI publication 1997-09-15 4 . 1 . 1		<a href="#">get it</a>			

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<b>TS 03.01</b>	<b>Network Functions</b>					
Ph2	<i>current version:</i> 4.0.4	<i>WG (prime / other):</i> S2 / NP	<i>rapporteur:</i> GAASVIK, Per-Ola	COMVIQ GSM AB		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	MCC: YOON, Sang-Ui			
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i> SMG3->SA2 @ TSG#7			
	ETSI Publication 1993-07-25 4 . 0 . 4	<a href="#">get it</a>	<i>remarks - this release:</i> #7: 4.0.1			
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<b>TS 03.02</b>	<b>Network Architecture</b>					
Ph2	<i>current version:</i> 4.2.1	<i>WG (prime / other):</i> S2 / NP / T2	<i>rapporteur:</i>	MILINSKI, AlexanderSIEMENS AG		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	MCC: YOON, Sang-Ui			
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-17 1996-02-02 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #7: 4.0.1 #17: 4.1.0 #18: 4.2.1			
	smg-18 1996-04-12 4 . 2 . 1	<a href="#">get it</a>				
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<b>TS 03.03</b>	<b>Numbering, Addressing and Identification</b>					
Ph2	<i>current version:</i> 4.11.1	<i>WG (prime / other):</i> N4 / T2	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE LTD		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	MCC: KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 5 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-08 1993-10-01 4 . 6 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-09 1994-01-21 4 . 8 . 0	<a href="#">get it</a>				
	smg-12 1994-10-07 4 . 9 . 0	<a href="#">get it</a>				
	NP-07 2000-03-17 4 . 10 . 0	<a href="#">get it</a>				
	NP-08 2000-06-23 4 . 11 . 0	<a href="#">get it</a>				
	Editorial 2001-01-04 4 . 11 . 1	<a href="#">get it</a>				
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<b>TS 03.04</b>	<b>Signalling Requirements Relating to Routing of Calls to Mobile Subscribers</b>					
Ph2	<i>current version:</i> 4.0.4	<i>WG (prime / other):</i> N4 / SPAN / T2	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	MCC: KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>			
	Publication 1996-01-19 4 . 0 . 4	<a href="#">get it</a>	<i>remarks - this release:</i> #7: 4.0.1			

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<b>TR 03.05</b>	<b>Technical performance objectives</b>				
Ph2	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> NP / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> BOSWARTHICK, David		
	<i>history (event, available, version, comments):</i>				
	smg-07 1993-06-25 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-19 1996-06-28 4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #7: 4.0.0 #19:4.1.0	
<hr/>					
<b>TS 03.07</b>	<b>Restoration Procedures</b>				
Ph2	<i>current version:</i> 4.3.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David	VODAFONE LTD	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	Chalmers		
	<i>history (event, available, version, comments):</i>		<i>MCC:</i> KYMALAINEN, Kimmo		
	smg-07 1993-06-25 4 . 2 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-10 1994-04-15 4 . 3 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	Publication 1996-01-19 4 . 3 . 1		<a href="#">get it</a>		
<hr/>					
<b>TS 03.08</b>	<b>Organization of Subscriber Data</b>				
Ph2	<i>current version:</i> 4.8.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> BAUER, Rolf	ALCATEL SEL AG	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>				
	smg-07 1993-06-25 4 . 5 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-08 1993-10-01 4 . 5 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-09 1994-01-21 4 . 6 . 0		<a href="#">get it</a>		
	smg-10 1994-04-15 4 . 7 . 0		<a href="#">get it</a>		
	smg-18 1996-04-12 4 . 8 . 0		<a href="#">get it</a>		
<hr/>					
<b>TS 03.09</b>	<b>Handover Procedures</b>				
Ph2	<i>current version:</i> 4.6.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> FARHOUMAND, Rouzbeh	Ericsson Incorporated	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>				
	smg-07 1993-06-25 4 . 1 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-08 1993-10-01 4 . 2 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #7: 4.1.0 #8: 4.2.0 #9: 4.2.1 #10: 4.3.0 #11: 4.4.0 #12: 4.5.0 #17: 4.6.0	
	smg-09 1994-01-21 4 . 2 . 1		<a href="#">get it</a>		
	smg-10 1994-04-15 4 . 3 . 0		<a href="#">get it</a>		
	smg-11 1994-07-01 4 . 4 . 0		<a href="#">get it</a>		
	smg-12 1994-10-07 4 . 5 . 0		<a href="#">get it</a>		
	smg-17 1996-02-02 4 . 6 . 0		<a href="#">get it</a>		

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## TS 03.10 GSM Public Land Mobile Network (PLMN) Connection Types

Ph2 *current version:* 4.3.1 *WG (prime / other):* N3 / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* BOSWARTHICK, David  
*history (event, available, version, comments):*  
smg-07 1993-06-25 4 . 2 . 1 [get it](#) *remarks - general:*  
smg-08 1993-10-01 4 . 3 . 0 [get it](#) *remarks - this release:*  
Publication 1994-09-13 4 . 3 . 1 [get it](#)

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## TS 03.11 Technical Realization of Supplementary Services - General Aspects

Ph2 *current version:* 4.10.1 *WG (prime / other):* N4 / - *rapporteur:* HABERMANN, Steffen T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
smg-07 4 . 4 . 0 *remarks - general:*  
ETSI public enquiry 2002-10-24 4 . 4 . 1 [get it](#) *remarks - this release:*  
smg-09 4 . 5 . 0  
smg-10 4 . 6 . 0  
smg-11 4 . 7 . 0  
smg-12 2002-10-24 4 . 8 . 0 ETSI vote version [get it](#)  
ETSI publication 2002-10-24 4 . 8 . 1 [get it](#)  
smg-14 2002-10-24 4 . 9 . 0 ETSI oap version [get it](#)  
ETSI publication 2002-10-24 4 . 9 . 1 [get it](#)  
ETSI public enquiry 4 . 10 . 0  
smg-18 1996-04-12 4 . 10 . 1 [get it](#)

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## TS 03.12 Location Registration Procedures

Ph2 *current version:* 4.4.2 *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
smg-07 1993-06-25 4 . 3 . 0 [get it](#) *remarks - general:*  
smg-08 1993-10-01 4 . 4 . 0 [get it](#) *remarks - this release: #7: 4.3.0 #8: 4.4.0*  
Publication 1994-09-13 4 . 4 . 2 [get it](#)

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## TS 03.13 Discontinuous Reception (DRX) in the GSM System

Ph2 *current version:* 4.0.4 *WG (prime / other):* G1 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
smg-07 1993-06-25 4 . 0 . 1 [get it](#) *remarks - general:*  
Publication 1994-09-13 4 . 0 . 4 [get it](#) *remarks - this release: #7: 4.0.1*

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<b>TS 03.14</b>	<b>Support of Dual Tone Multi-Frequency Signalling (DTMF) via the GSM System</b>								
Ph2	<i>current version:</i> 4.1.1	<i>WG (prime / other):</i>	N1 / -	<i>rapporteur:</i>	ZAUS, Robert	SIEMENS AG			
	<i>freeze_meeting:</i> smg-11b	G: yes	U:	<i>MCC:</i>	JORGENSEN, Per Johan				
	<i>history (event, available, version, comments):</i>								
	smg-07 1993-06-25	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-10 1994-04-15	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	#7: 4.0.0 #10: 4.1.0
	Publication 1994-09-13	4	.	1	.	1	<a href="#">get it</a>		

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<b>TS 03.15</b>	<b>Technical Realization of Operator Determined Barring</b>								
Ph2	<i>current version:</i> 4.3.1	<i>WG (prime / other):</i>	N4 / -	<i>rapporteur:</i>	PARK, Ian David	VODAFONE LTD			
	<i>freeze_meeting:</i> smg-11b	G: yes	U:	<i>MCC:</i>	Chalmers KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>								
	smg-07 1993-06-25	4	.	2	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-10 1994-04-15	4	.	3	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	#7: 4.2.0 #10: 4.3.0
	Publication 1994-09-13	4	.	3	.	1	<a href="#">get it</a>		

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<b>TS 03.16</b>	<b>Subscriber Data Management</b>								
Ph2	<i>current version:</i> 4.2.1	<i>WG (prime / other):</i>	N4 / -	<i>rapporteur:</i>	WIEHE, Ulrich	Gesellschaft für Kommunikations Software			
	<i>freeze_meeting:</i> smg-11b	G: yes	U:	<i>MCC:</i>	KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>								
	smg-14 1995-04-07	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-16 1995-10-20	4	.	1	.	1	<a href="#">get it</a>	<i>remarks - this release:</i>	#14: 4.1.0 #16: 4.1.1 #18: 4.2.1
	smg-18 1996-04-12	4	.	2	.	1	<a href="#">get it</a>		

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<b>TS 03.20</b>	<b>Security-related Network Functions</b>								
Ph2	<i>current version:</i> 4.4.1	<i>WG (prime / other):</i>	S3 / NP / GP	<i>rapporteur:</i>	NGUYEN NGOC, Sebastien	France Telecom			
	<i>freeze_meeting:</i> smg-11b	G: yes	U:	<i>MCC:</i>	POPE, Maurice				
	<i>history (event, available, version, comments):</i>								
	smg-07 1993-06-25	4	.	2	.	1	<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-10 1994-04-15	4	.	3	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-17 1996-02-02	4	.	3	.	2	<a href="#">get it</a>		
	smg-21 1997-02-14	4	.	4	.	0	<a href="#">get it</a>		
	Publication 1997-08-26	4	.	4	.	1	<a href="#">get it</a>		

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<b>TS 03.22</b>	<b>Functions related to Mobile Station (MS) in idle mode and group receive mode</b>								
Ph2	<i>current version:</i> 4.11.0	<i>WG (prime / other):</i>	G1 / N1	<i>rapporteur:</i>	ANDERSEN, Niels Peter	MOTOROLA A/S			
	<i>freeze_meeting:</i> smg-11b				Skov				
		<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino				
	<i>history (event, available, version, comments):</i>								
	smg-07 1993-06-25	4 . 4 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Moved from SMG3 Jan 2000. Moved from G2 Mar 2001. 2001-07: title grows "and				
	smg-09 1994-01-21	4 . 5 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	group receive mode".				
	smg-10 1994-04-15	4 . 6 . 0	<a href="#">get it</a>						
	smg-11 1994-07-01	4 . 7 . 0	<a href="#">get it</a>						
	smg-12 1994-10-07	4 . 8 . 0	<a href="#">get it</a>						
	smg-14 1995-04-07	4 . 9 . 0	<a href="#">get it</a>						
	smg-16 1995-10-20	4 . 10 . 0	<a href="#">get it</a>						
	smg-17 1996-02-02	4 . 11 . 0	<a href="#">get it</a>						

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<b>TR 03.26</b>	<b>Multiband operation of GSM/DCS 1800 by a single operator</b>								
Ph2	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i>	G1 / NP	<i>rapporteur:</i>	ANDERSEN, Niels Peter	MOTOROLA A/S			
	<i>freeze_meeting:</i> smg-11b				Skov				
		<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino				
	<i>history (event, available, version, comments):</i>								
	smg-18 1996-04-12	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
	smg-22 1997-06-13	4 . 2 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					
	smg-23 1997-10-17	4 . 3 . 0	<a href="#">get it</a>						

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<b>TR 03.30</b>	<b>Radio Network Planning Aspects</b>								
Ph2	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i>	GP / -	<i>rapporteur:</i>	TEGTH, Ulf	TeliaSonera AB			
	<i>freeze_meeting:</i> smg-11b	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino				
	<i>history (event, available, version, comments):</i>								
	smg-07 1993-06-25	4 . 2 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
	smg-09 1994-01-21	4 . 2 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>	#7: 4.2.0 #9: 4.2.1 #13: 4.3.0				
	smg-13 1995-01-27	4 . 3 . 0	<a href="#">get it</a>						

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<b>TS 03.38</b>	<b>Alphabets and language-specific information</b>								
Ph2	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i>	T2 / -	<i>rapporteur:</i>	HARRIS, Ian	Research In Motion Limited			
	<i>freeze_meeting:</i> smg-11b	<i>G: yes U:</i>		<i>MCC:</i>	RODERMUND, Friedhelm				
	<i>history (event, available, version, comments):</i>								
	smg-10 1994-09-13	4 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>					
	Publication	1994-09-13		<i>remarks - this release:</i>	#10: 4.0.0				

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<b>TS 03.40</b>	<b>Technical realization of the Short Message Service (SMS)</b>								
Ph2	<i>current version:</i> 4.13.0	<i>WG (prime / other):</i>	T2 / -	<i>rapporteur:</i>	HARRIS, Ian	Research In Motion Limited			
	<i>freeze_meeting:</i> smg-11b	<i>G: yes U:</i>		<i>MCC:</i>	RODERMUND, Friedhelm				
	<i>history (event, available, version, comments):</i>								
	smg-07	4 . 6 . 0						<i>remarks - general:</i>	2003-12-03: Note that this spec also contains stage 3.
	smg-08	2004-04-27	4 . 7 . 0					<i>remarks - this release:</i>	
	smg-10	1994-04-15	4 . 8 . 1				<a href="#">get it</a>		
	smg-11	2004-04-27	4 . 9 . 0				<a href="#">get it</a>		
	ETSI publication	1997-08-05	4 . 9 . 1				<a href="#">get it</a>		
	post smg-11								
	ETSI publication	2004-04-27	4 . 10 . 0	Published as ETS amendment A1			<a href="#">get it</a>		
	smg-15	1995-07-07	4 . 11 . 0				<a href="#">get it</a>		
	smg-16	1995-10-20	4 . 12 . 0				<a href="#">get it</a>		
	smg-18	1996-04-12	4 . 13 . 0				<a href="#">get it</a>		

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<b>TS 03.41</b>	<b>Technical Realization of Short Message Service Cell Broadcast (SMSCB)</b>								
Ph2	<i>current version:</i> 4.11.0	<i>WG (prime / other):</i>	T2 / -	<i>rapporteur:</i>	HARRIS, Ian	Research In Motion Limited			
	<i>freeze_meeting:</i> smg-11b	<i>G: yes U:</i>		<i>MCC:</i>	RODERMUND, Friedhelm				
	<i>history (event, available, version, comments):</i>								
	smg-07	1993-06-25	4 . 4 . 1				<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-08	1993-10-01	4 . 5 . 0				<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-09	1994-01-21	4 . 6 . 0				<a href="#">get it</a>		
	smg-10	1994-04-15	4 . 7 . 0				<a href="#">get it</a>		
	smg-11	1994-07-01	4 . 8 . 0				<a href="#">get it</a>		
	smg-12	1994-10-07	4 . 9 . 0				<a href="#">get it</a>		
	smg-13	1995-01-27	4 . 10 . 0				<a href="#">get it</a>		
	smg-16	1995-10-20	4 . 11 . 0				<a href="#">get it</a>		

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<b>TR 03.43</b>	<b>Support of Videotex</b>								
Ph2	<i>current version:</i> 4.1.2	<i>WG (prime / other):</i>	T2 / -	<i>rapporteur:</i>	RODERMUND, Friedhelm	Vodafone D2 GmbH			
	<i>freeze_meeting:</i> smg-11b	<i>G: yes U:</i>		<i>MCC:</i>	RODERMUND, Friedhelm				
	<i>history (event, available, version, comments):</i>								
	smg-07	1993-06-25	4 . 1 . 1				<a href="#">get it</a>	<i>remarks - general:</i>	
	Editorial	1996-01-19	4 . 1 . 2				<a href="#">get it</a>	<i>remarks - this release:</i>	

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<b>TR 03.44</b>	<b>Support of Teletex in a GSM Public Land Mobile Network (PLMN)</b>					
Ph2	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i>	T2 / -	<i>rapporteur:</i>	RODERMUND, Friedhelm/Vodafone D2 GmbH	
	<i>freeze_meeting:</i> smg-11b	<i>G: yes U:</i>		<i>MCC:</i>	RODERMUND, Friedhelm	
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	Editorial 1998-07-30 4 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i>	
<b>TS 03.45</b>	<b>Technical Realization of Facsimile Group 3 Service - transparent</b>					
Ph2	<i>current version:</i> 4.5.0	<i>WG (prime / other):</i>	N3 / -	<i>rapporteur:</i>	BOSWARTHICK, David ETSI Secretariat	
	<i>freeze_meeting:</i> smg-11b	<i>G: yes U:</i>		<i>MCC:</i>	BOSWARTHICK, David	
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 2 . 1			<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-08 1993-10-01 4 . 3 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-09 1994-01-21 4 . 3 . 1			<a href="#">get it</a>		
	smg-10 1994-04-15 4 . 4 . 0			<a href="#">get it</a>		
	smg-11 1994-07-01 4 . 4 . 1			<a href="#">get it</a>		
	smg-14 1995-04-07 4 . 5 . 0			<a href="#">get it</a>		
<b>TS 03.46</b>	<b>Technical Realization of Facsimile Group 3 Service - non transparent</b>					
Ph2	<i>current version:</i> 4.1.2	<i>WG (prime / other):</i>	N3 / -	<i>rapporteur:</i>	BOSWARTHICK, David ETSI Secretariat	
	<i>freeze_meeting:</i> smg-11b	<i>G: yes U:</i>		<i>MCC:</i>	BOSWARTHICK, David	
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 0 . 1			<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-08 1993-10-01 4 . 0 . 2			<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-11 1994-07-01 4 . 1 . 0			<a href="#">get it</a>		
	Publication 1996-01-19 4 . 1 . 2			<a href="#">get it</a>		
<b>TR 03.47</b>	<b>Example Protocol Stacks for Interconnecting Service Centre(s) (SC) and Mobile Services Switching Centre(s) (MSC)</b>					
Ph2	<i>current version:</i> 4.4.0	<i>WG (prime / other):</i>	T2 / -	<i>rapporteur:</i>	RODERMUND, Friedhelm/Vodafone D2 GmbH	
	<i>freeze_meeting:</i> smg-11b	<i>G: yes U:</i>		<i>MCC:</i>	RODERMUND, Friedhelm	
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 1 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-08 1993-10-01 4 . 2 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-12 1994-10-07 4 . 2 . 1			<a href="#">get it</a>		
	smg-18 1996-04-12 4 . 4 . 0			<a href="#">get it</a>		

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<b>TR 03.49</b>	<b>Example protocol stacks for interconnecting Cell Broadcast Centre (CBC) and Base Station Controller (BSC)</b>								
Ph2	current version: 4.6.0	WG (prime / other):	T2 / -	rapporteur:	RODERMUND, Friedhelm	Vodafone D2 GmbH			
	freeze_meeting: smg-11b								
	history (event, available, version, comments):	G: yes	U:	MCC:	RODERMUND, Friedhelm				
	smg-07 1993-06-25	4	.	1	.	0	<a href="#">get it</a>	remarks - general:	
	smg-08 1993-10-01	4	.	2	.	0	<a href="#">get it</a>	remarks - this release:	#7: 4.1.0 #8: 4.2.0 #11: 4.3.0 #12: 4.4.0 #13: 4.5.0 #16: 4.6.0
	smg-11 1994-07-01	4	.	3	.	0	<a href="#">get it</a>		
	smg-12 1994-10-07	4	.	4	.	0	<a href="#">get it</a>		
	smg-13 1995-01-27	4	.	5	.	0	<a href="#">get it</a>		
	smg-16 1995-10-20	4	.	6	.	0	<a href="#">get it</a>		
<b>TS 03.50</b>	<b>Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System</b>								
Ph2	current version: 4.6.1	WG (prime / other):	S4 / -	rapporteur:	USAI, Paolino	TELECOM ITALIA S.p.A.			
	freeze_meeting: smg-11b								
	history (event, available, version, comments):	G: yes	U:	MCC:	USAI, Paolino				
	smg-08 1993-10-01	4	.	0	.	0	<a href="#">get it</a>	remarks - general:	
	smg-09 1994-01-21	4	.	1	.	0	<a href="#">get it</a>	remarks - this release:	#8: 4.0.0 #9: 4.1.0 #15: 4.2.0 #24: 4.3.0 #25: 4.4.0 #27: 4.5.0 #28: 4.6.0
	smg-15 1995-07-07	4	.	2	.	0	<a href="#">get it</a>		
	smg-24 1997-12-19	4	.	3	.	0	<a href="#">get it</a>		
	smg-25 1998-03-20	4	.	4	.	0	<a href="#">get it</a>		
	smg-27 1998-10-16	4	.	5	.	0	<a href="#">get it</a>		
	smg-28 1999-02-12	4	.	6	.	0	<a href="#">get it</a>		
	Editorial 1999-03-12	4	.	6	.	1	<a href="#">get it</a>		
<b>TS 03.70</b>	<b>Routeing of Calls to/from Public Data Networks (PDN)</b>								
Ph2	current version: 4.0.3	WG (prime / other):	N3 / -	rapporteur:	BOSWARTHICK, David	ETSI Secretariat			
	freeze_meeting: smg-11b								
	history (event, available, version, comments):	G: yes	U:	MCC:	BOSWARTHICK, David				
	smg-07 1993-06-25	4	.	0	.	0	<a href="#">get it</a>	remarks - general:	N3: "no R99 needed".
	smg-08 1993-10-01	4	.	0	.	1	<a href="#">get it</a>	remarks - this release:	#7: 4.0.0 #8: 4.0.1
	Publication 1996-01-19	4	.	0	.	3	<a href="#">get it</a>		

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 03.81</b>	<b>Line Identification Supplementary Services; Stage 2</b>								
Ph2	current version: 4.8.1	WG (prime / other):	N4 / -	rapporteur:	KYMALAINEN, Kimmo	TeliaSonera AB			
	freeze_meeting: smg-11b	G: yes U:		MCC:	KYMALAINEN, Kimmo				
	history (event, available, version, comments):								
	smg-07 1993-06-25 4 . 1 . 0	<a href="#">get it</a>		remarks - general:					
	smg-09 1993-10-01 4 . 2 . 0	<a href="#">get it</a>		remarks - this release:	#7: 4.1.0 #9: 4.2.0 #10: 4.3.0 #11: 4.4.0 #12: 4.5.0 #19: 4.6.0 #24: 4.7.0 #26: 4.8.0				
	smg-10 1994-04-15 4 . 3 . 0	<a href="#">get it</a>							
	smg-11 1994-07-01 4 . 4 . 0	<a href="#">get it</a>							
	smg-12 1994-10-07 4 . 5 . 0	<a href="#">get it</a>							
	smg-19 1996-06-28 4 . 6 . 0	<a href="#">get it</a>							
	smg-24 1997-12-19 4 . 7 . 0	<a href="#">get it</a>							
	smg-26 1998-06-26 4 . 8 . 0	<a href="#">get it</a>							
	Editorial 1998-07-26 4 . 8 . 1	<a href="#">get it</a>							

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<b>TS 03.82</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 2</b>								
Ph2	current version: 4.8.1	WG (prime / other):	N4 / -	rapporteur:	KYMALAINEN, Kimmo	TeliaSonera AB			
	freeze_meeting: smg-11b	G: yes U:		MCC:	KYMALAINEN, Kimmo				
	history (event, available, version, comments):								
	smg-07 1993-06-25 4 . 5 . 0	<a href="#">get it</a>		remarks - general:					
	smg-08 1993-10-01 4 . 5 . 1	<a href="#">get it</a>		remarks - this release:	#7: 4.5.0 #8: 4.5.1 #10: 4.6.0 #12: 4.7.0 #18: 4.8.0				
	smg-10 1994-04-15 4 . 6 . 0	<a href="#">get it</a>							
	smg-12 1994-10-07 4 . 7 . 0	<a href="#">get it</a>							
	smg-18 1996-04-12 4 . 8 . 0	<a href="#">get it</a>							
	Editorial 1996-05-12 4 . 8 . 1	<a href="#">get it</a>							

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<b>TS 03.83</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 2</b>								
Ph2	current version: 4.4.1	WG (prime / other):	N4 / -	rapporteur:	SHARP, Iain	NORTEL NETWORKS (EUROPE)			
	freeze_meeting: smg-11b	G: yes U:		MCC:	KYMALAINEN, Kimmo				
	history (event, available, version, comments):								
	smg-07 1993-06-25 4 . 3 . 0	<a href="#">get it</a>		remarks - general:					
	smg-11 1994-07-01 4 . 3 . 2	<a href="#">get it</a>		remarks - this release:	#7: 4.3.0 #11: 4.3.2 #12: 4.4.0				
	smg-12 1994-10-07 4 . 4 . 0	<a href="#">get it</a>							
	Editorial 1994-11-07 4 . 4 . 1	<a href="#">get it</a>							

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## TS 03.84 Multi Party (MPTY) Supplementary Services; Stage 2

Ph2  
*current version:* 4.4.1  
*freeze\_meeting:* smg-11b  
*history (event, available, version, comments):*

smg-07	1993-06-25	4	.	1	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-09	1994-01-21	4	.	2	.	0	<a href="#">get it</a> <i>remarks - this release: #7: 4.1.0 #9: 4.2.0 #10: 4.3.0 #12: 4.4.0</i>
smg-10	1994-04-15	4	.	3	.	0	<a href="#">get it</a>
smg-12	1994-10-07	4	.	4	.	0	<a href="#">get it</a>
Editorial	1994-11-07	4	.	4	.	1	<a href="#">get it</a>

*WG (prime / other):* N4 / - *rapporteur:* HABERMANN, Steffen T-MOBILE DEUTSCHLAND  
*G: yes U:* *MCC:* KYMALAINEN, Kimmo

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## TS 03.85 Closed user Group (CUG) Supplementary Services; Stage 2

Ph2  
*current version:* 4.2.1  
*freeze\_meeting:* smg-11b  
*history (event, available, version, comments):*

smg-07	1993-06-25	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-08	1993-10-01	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
smg-13	1995-01-27	4	.	2	.	0	<a href="#">get it</a>
Editorial	1995-02-27	4	.	2	.	1	<a href="#">get it</a>

*WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*G: yes U:* *MCC:* KYMALAINEN, Kimmo

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## TS 03.86 Advice of Charge (AoC) Supplementary Services; Stage 2

Ph2  
*current version:* 4.6.1  
*freeze\_meeting:* smg-11b  
*history (event, available, version, comments):*

smg-07	1993-06-25	4	.	1	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-08	1993-10-01	4	.	2	.	0	<a href="#">get it</a> <i>remarks - this release: #7: 4.1.0 #8: 4.2.0 #9: 4.3.0 #10: 4.4.0 #11: 4.5.0 #12: 4.6.0</i>
smg-09	1994-01-21	4	.	3	.	0	<a href="#">get it</a>
smg-10	1994-04-15	4	.	4	.	0	<a href="#">get it</a>
smg-11	1994-07-01	4	.	5	.	0	<a href="#">get it</a>
smg-12	1994-10-07	4	.	6	.	0	<a href="#">get it</a>
Editorial	1994-11-07	4	.	6	.	1	<a href="#">get it</a>

*WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*G: yes U:* *MCC:* KYMALAINEN, Kimmo

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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**TS 03.88 Call Barring (CB) supplementary services; Stage 2**  
Ph2 *current version:* 4.6.1 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

smg-07	1993-06-25	4	.	4	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-10	1994-04-15	4	.	5	.	0	<a href="#">get it</a> <i>remarks - this release: #7: 4.4.0 #10: 4.5.0 #12: 4.6.0</i>
smg-12	1994-10-07	4	.	6	.	0	<a href="#">get it</a>
Editorial	1994-11-07	4	.	6	.	1	<a href="#">get it</a>

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**TS 03.90 Unstructured Supplementary Service Data (USSD)**  
Ph2 *current version:* 4.1.1 *WG (prime / other):* N4 / - *rapporteur:* CHOTAI, Sunil mmO2 plc  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

smg-08	1993-10-01	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-15	1995-07-07	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release: #8: 4.0.0 #15: 4.1.0</i>
Editorial	1995-08-07	4	.	1	.	1	<a href="#">get it</a>

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Ph2 **04** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

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**TS 04.01 Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles**  
Ph2 *current version:* 4.0.4 *WG (prime / other):* N1 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*

smg-07	1993-06-25	4	.	0	.	1	<a href="#">get it</a> <i>remarks - general:</i>
ETSI publication	1996-01-19	4	.	0	.	4	<a href="#">get it</a> <i>remarks - this release: #7: 4.0.1</i>

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**TS 04.02 GSM Public Land Mobile Network (PLMN) Access Reference Configuration**  
Ph2 *current version:* 4.0.4 *WG (prime / other):* N1 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*

smg-07	1993-06-25	4	.	0	.	1	<a href="#">get it</a> <i>remarks - general:</i>
ETSI publication	1996-01-19	4	.	0	.	4	<a href="#">get it</a> <i>remarks - this release: #7: 4.0.1</i>

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G = required in systems with GERAN acces; U = required in systems with UMTS access.



<b>TS 04.03</b>	<b>Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities</b>				
Ph2	<i>current version:</i> 4.1.1	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-11b		Skov		
		G: yes U:	MCC:	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i>				
	smg-07 1993-06-25 4 . 0 . 1	<a href="#">get it</a>		<i>remarks - general:</i>	
	smg-10 1994-04-15 4 . 1 . 0	<a href="#">get it</a>		<i>remarks - this release:</i>	
	Editorial 1994-05-15 4 . 1 . 1	<a href="#">get it</a>			
<b>TS 04.04</b>	<b>Layer 1 - General Requirements</b>				
Ph2	<i>current version:</i> 4.0.4	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ISAACS, Ken	SIEMENS AG	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	MCC:	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i>				
	smg-07 1993-06-25 4 . 0 . 1	<a href="#">get it</a>		<i>remarks - general:</i>	
	ETSI publication 1994-09-13 4 . 0 . 4	<a href="#">get it</a>		<i>remarks - this release:</i>	
<b>TS 04.05</b>	<b>Data Link (DL) Layer General Aspects</b>				
Ph2	<i>current version:</i> 4.0.3	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-11b		Skov		
		G: yes U:	MCC:	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i>				
	smg-07 1993-06-25 4 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	
	ETSI publication 1994-09-13 4 . 0 . 3	<a href="#">get it</a>		<i>remarks - this release:</i>	
<b>TS 04.06</b>	<b>Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification</b>				
Ph2	<i>current version:</i> 4.4.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-11b		Skov		
		G: yes U:	MCC:	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i>				
	smg-07 1993-06-25 4 . 2 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	
	smg-08 1993-10-01 4 . 3 . 0	<a href="#">get it</a>		<i>remarks - this release:</i>	
	smg-11 1994-07-01 4 . 4 . 0	<a href="#">get it</a>			

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**TS 04.07 Mobile Radio Interface Signalling Layer 3 - General Aspects**

Ph2 *current version:* 4.3.1 *WG (prime / other):* N1 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
smg-07 1993-06-25 4 . 1 . 1 [get it](#) *remarks - general:*  
smg-10 1994-04-15 4 . 2 . 0 [get it](#) *remarks - this release:*  
smg-12 1994-10-07 4 . 3 . 0 [get it](#)  
ETSI Publication 1997-11-07 4 . 3 . 1 [get it](#)

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## TS 04.08 Mobile radio interface layer 3 specification

Ph2 *current version:* 4.25.0 *WG (prime / other):* N1 / G2 *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*

smg-07	1993-06-25	4 . 5 . 0	<a href="#">get it</a>	<i>remarks - general:</i> 04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert Thomasen
smg-08	1993-10-01	4 . 6 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> (even numbered CRs!)
smg-09	1994-01-21	4 . 7 . 0	<a href="#">get it</a>	
smg-10	1994-04-15	4 . 8 . 0	<a href="#">get it</a>	
smg-11	1994-07-01	4 . 9 . 0	<a href="#">get it</a>	
smg-12	1994-10-07	4 . 10 . 0	<a href="#">get it</a>	
smg-14	1995-04-07	4 . 11 . 0	<a href="#">get it</a>	
smg-15	1995-07-07	4 . 12 . 0	<a href="#">get it</a>	
smg-16	1995-10-20	4 . 13 . 0	<a href="#">get it</a>	
smg-17	1996-02-02	4 . 14 . 0	<a href="#">get it</a>	
smg-18	1996-04-12	4 . 15 . 0	<a href="#">get it</a>	
smg-19	1996-06-28	4 . 16 . 0	<a href="#">get it</a>	
ETSI publication	1997-01-09	4 . 16 . 1	<a href="#">get it</a>	
smg-20	1996-10-11	4 . 17 . 0	<a href="#">get it</a>	
ETSI publication	1997-05-12	4 . 17 . 1	<a href="#">get it</a>	
smg-21	1997-02-14	4 . 18 . 0	<a href="#">get it</a>	
ETSI PE	1997-08-15	4 . 19 . 1	<a href="#">get it</a>	
ETSI publication	1997-12-31	4 . 19 . 2	<a href="#">get it</a>	
smg-23	1997-10-17	4 . 20 . 1	<a href="#">get it</a>	
smg-24	1997-12-19	4 . 21 . 0	<a href="#">get it</a>	
ETSI publication	1998-06-26	4 . 21 . 1	<a href="#">get it</a>	
smg-25	1998-03-20	4 . 22 . 0	<a href="#">get it</a>	
ETSI publication	1998-10-23	4 . 22 . 1	<a href="#">get it</a>	
smg-28	1999-02-12	4 . 23 . 0	<a href="#">get it</a>	
ETSI publication	1999-10-05	4 . 23 . 1	<a href="#">get it</a>	
NP-18	2003-01-02	4 . 24 . 0	<a href="#">get it</a>	
GP-15	2003-07-10	4 . 25 . 0	<a href="#">get it</a>	

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## TS 04.10 Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects

Ph2 *current version:* 4.10.1 *WG (prime / other):* N4 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*freeze\_meeting:* smg-11b

*G:* yes *U:* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

smg-07	1993-06-25	4 . 4 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-08	1993-10-01	4 . 5 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
smg-09	1994-01-21	4 . 6 . 0	<a href="#">get it</a>	
smg-10	1994-04-15	4 . 7 . 0	<a href="#">get it</a>	
smg-11	1994-07-01	4 . 8 . 0	<a href="#">get it</a>	
smg-13	1995-01-27	4 . 9 . 0	<a href="#">get it</a>	
smg-17	1996-02-02	4 . 10 . 0	<a href="#">get it</a>	
Editorial	1996-03-02	4 . 10 . 1	<a href="#">get it</a>	

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## TS 04.11 Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface

Ph2 *current version:* 4.11.0 *WG (prime / other):* N1 / - *rapporteur:* NOBUYUKI, Uda NTT COMWARE Corporation  
*freeze\_meeting:* smg-11b

*G:* yes *U:* *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*

smg-07	1993-06-25	4 . 3 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-08	1993-10-01	4 . 4 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
smg-10	1994-04-15	4 . 5 . 0	<a href="#">get it</a>	
smg-11	1994-07-01	4 . 6 . 0	<a href="#">get it</a>	
smg-12	1994-10-07	4 . 7 . 0	<a href="#">get it</a>	
smg-14	1995-04-07	4 . 8 . 0	<a href="#">get it</a>	
smg-16	1995-10-20	4 . 9 . 0	<a href="#">get it</a>	
smg-17	1996-02-02	4 . 10 . 0	<a href="#">get it</a>	
NP-09	2000-10-04	4 . 11 . 0	<a href="#">get it</a>	

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## TS 04.12 Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface

Ph2 *current version:* 4.6.0 *WG (prime / other):* G2 / T2 *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*freeze\_meeting:* smg-11b

*G:* yes *U:* *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*

smg-07	1993-06-25	4 . 1 . 1	<a href="#">get it</a>	<i>remarks - general:</i>
smg-10	1994-04-15	4 . 2 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #7: 4.1.1 #10: 4.2.0 #11: 4.3.0 #12: 4.4.0 #16: 4.6.0
smg-11	1994-07-01	4 . 3 . 0	<a href="#">get it</a>	
smg-12	1994-10-07	4 . 4 . 0	<a href="#">get it</a>	
smg-16	1995-10-20	4 . 6 . 0	<a href="#">get it</a>	

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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## TS 04.13 Performance Requirements on Mobile Radio Interface

Ph2  
*current version:* 4.2.0  
*freeze\_meeting:* smg-11b  
*history (event, available, version, comments):*

smg-10	1994-04-15	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-14	1995-04-07	4	.	0	.	2	<a href="#">get it</a>	<i>remarks - this release:</i> #10: 4.0.0 #14: 4.0.2 #15: 4.1.0 #16: 4.2.0
smg-15	1995-07-07	4	.	1	.	0	<a href="#">get it</a>	
smg-16	1995-10-20	4	.	2	.	0	<a href="#">get it</a>	

*WG (prime / other):* N1 / -     *rapporteur:* DAWES, Peter     VODAFONE LTD  
*G: yes U:*     *MCC:* JORGENSEN, Per Johan

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## TS 04.21 Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface

Ph2  
*current version:* 4.6.1  
*freeze\_meeting:* smg-11b  
*history (event, available, version, comments):*

smg-07	1993-06-25	4	.	2	.	1	<a href="#">get it</a>	<i>remarks - general:</i>
smg-08	1993-10-01	4	.	3	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> #7: 4.2.1 #8: 4.3.0 #11: 4.4.0 #13: 4.5.0 #14: 4.6.0 Mar00: 4.6.1 = published version of ETS replacing OAP version
smg-11	1994-07-01	4	.	4	.	0	<a href="#">get it</a>	
smg-13	1995-01-27	4	.	5	.	0	<a href="#">get it</a>	
smg-14	1995-04-07	4	.	6	.	0	<a href="#">get it</a>	
published version of ETS replacing OAP v	2000-03-02	4	.	6	.	1	<a href="#">get it</a>	

*WG (prime / other):* N3 / -     *rapporteur:* RÄSÄNEN, Juha     NOKIA Corporation  
*G: yes U:*     *MCC:* BOSWARTHICK, David

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## TS 04.22 Radio Link Protocol (RLP) for data and telematic services on the Mobile Station - Base Station System (MS - BSS) interface and the Base Station System - Mobile-services

Ph2  
*current version:* **Switching Centre (BSS - MSC) interface** 4.5.1     *WG (prime / other):* N3     /-     *rapporteur:* KLEHN, Norbert  
SIEMENS AG

*freeze\_meeting:* smg-11b     *G: yes U:*     *MCC:* BOSWARTHICK, David

*history (event, available, version, comments):*

smg-07	1993-06-25	4	.	2	.	2	<a href="#">get it</a>	<i>remarks - general:</i>
smg-08	1993-10-01	4	.	3	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
smg-13	1995-01-27	4	.	4	.	0	<a href="#">get it</a>	
smg-25	1998-03-20	4	.	5	.	0	<a href="#">get it</a>	
Editorial	1998-04-20	4	.	5	.	1	<a href="#">get it</a>	

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<b>TS 04.80</b>	<b>Mobile Radio Interface Layer 3 - Supplementary Services Specification Formats and Coding</b>					
Ph2	<i>current version:</i> 4.11.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 7 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-09 1994-01-21 4 . 9 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-16 1995-10-20 4 . 10 . 0	<a href="#">get it</a>				
	ETSI publication 1996-08-23 4 . 10 . 1	<a href="#">get it</a>				
	smg-17 1996-02-02 4 . 11 . 0	<a href="#">get it</a>				
	ETSI publication 1996-08-23 4 . 11 . 1	<a href="#">get it</a>				

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<b>TS 04.81</b>	<b>Line Identification Supplementary Services; Stage 3</b>					
Ph2	<i>current version:</i> 4.4.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 2 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-10 1994-04-15 4 . 3 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #7: 4.2.0 #10: 4.3.0 #12: 4.4.0			
	smg-12 1994-10-07 4 . 4 . 0	<a href="#">get it</a>				
	ETSI Publication 1994-11-07 4 . 4 . 1	<a href="#">get it</a>				

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<b>TS 04.82</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 3</b>					
Ph2	<i>current version:</i> 4.9.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 6 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-11 1994-07-01 4 . 7 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #7: 4.6.0 #11: 4.7.0 #12: 4.8.0 #17: 4.9.0			
	smg-12 1994-10-07 4 . 8 . 0	<a href="#">get it</a>				
	smg-17 1996-02-02 4 . 9 . 0	<a href="#">get it</a>				
	Editorial 1996-03-02 4 . 9 . 1	<a href="#">get it</a>				

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<b>TS 04.83</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 3</b>					
Ph2	<i>current version:</i> 4.6.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> SHARP, Iain	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 4 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-09 1994-01-21 4 . 5 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #7: 4.4.0 #9: 4.5.0 #17: 4.6.0			
	smg-17 1996-02-02 4 . 6 . 0	<a href="#">get it</a>				
	Editorial 1996-03-02 4 . 6 . 1	<a href="#">get it</a>				

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## TS 04.84 Multi Party (MPHY) Supplementary Services; Stage 3

Ph2 *current version:* 4.3.2 *WG (prime / other):* N4 / - *rapporteur:* HABERMANN, Steffen T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
smg-07 1993-06-25 4 . 2 . 0 [get it](#) *remarks - general:*  
smg-09 1994-01-21 4 . 3 . 0 [get it](#) *remarks - this release:* #7: 4.2.0 #9: 4.3.0  
ETSI Publication 1994-02-21 4 . 3 . 2 [get it](#)

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## TS 04.85 Closed User Group (CUG) Supplementary Services; Stage 3

Ph2 *current version:* 4.1.1 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
smg-07 1993-06-25 4 . 0 . 0 [get it](#) *remarks - general:*  
smg-18 1996-04-12 4 . 1 . 0 [get it](#) *remarks - this release:* #7: 4.0.0 #18: 4.1.0  
Editorial 1996-05-12 4 . 1 . 1 [get it](#)

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## TS 04.86 Advice of Charge (AoC) Supplementary Services; Stage 3

Ph2 *current version:* 4.5.2 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
smg-07 1993-06-25 4 . 2 . 0 [get it](#) *remarks - general:*  
smg-08 1993-10-01 4 . 4 . 0 [get it](#) *remarks - this release:* #7: 4.2.0 #8: 4.4.0 #11: 4.5.0  
smg-11 1994-07-01 4 . 5 . 0 [get it](#)  
ETSI Publication 1995-03-14 4 . 5 . 2 [get it](#)

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## TS 04.88 Call Barring (CB) Supplementary Services; Stage 3

Ph2 *current version:* 4.7.1 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
smg-07 1993-06-25 4 . 6 . 0 [get it](#) *remarks - general:*  
smg-17 1996-02-02 4 . 7 . 0 [get it](#) *remarks - this release:* #7: 4.6.0 #17: 4.7.0  
Editorial 1996-03-02 4 . 7 . 1 [get it](#)

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## TS 04.90 Unstructured Supplementary Service Data (USSD)

Ph2 *current version:* 4.1.1 *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
smg-08 1993-10-01 4 . 0 . 0 [get it](#) *remarks - general:*  
smg-12 1994-10-07 4 . 1 . 0 [get it](#) *remarks - this release:* #8: 4.0.0 #12: 4.1.0  
Editorial 1994-11-07 4 . 1 . 1 [get it](#)

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Ph2 05 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/05\\_series](http://www.3gpp.org/ftp/Specs/archive/05_series)

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## TS 05.01 Physical Layer on the Radio Path (General Description)

Ph2 *current version:* 4.6.0 *WG (prime / other):* G1 / - *rapporteur:* JOKINEN, Harri NOKIA MOBILE PHONES  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
smg-07 1993-06-25 4 . 1 . 0 [get it](#) *remarks - general:*  
smg-08 1993-10-01 4 . 2 . 0 [get it](#) *remarks - this release:*  
smg-10 1994-04-15 4 . 3 . 0 [get it](#)  
smg-13 1995-01-27 4 . 4 . 0 [get it](#)  
smg-14 1995-04-07 4 . 5 . 0 [get it](#)  
smg-16 1995-10-20 4 . 6 . 0 [get it](#)

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## TS 05.02 Multiplexing and Multiple Access on the Radio Path

Ph2 *current version:* 4.11.0 *WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist NOKIA Corporation  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
smg-07 1993-06-25 4 . 3 . 0 [get it](#) *remarks - general:*  
smg-09 1994-01-21 4 . 4 . 0 [get it](#) *remarks - this release:*  
smg-15 1995-07-07 4 . 5 . 0 [get it](#)  
smg-16 1995-10-20 4 . 6 . 0 [get it](#)  
smg-17 1996-02-02 4 . 7 . 0 [get it](#)  
smg-20 1996-10-11 4 . 8 . 0 [get it](#)  
smg-22 1997-06-13 4 . 9 . 0 [get it](#)  
smg-28 1999-02-12 4 . 10 . 0 [get it](#)  
ETSI Publication 1999-07-22 4 . 10 . 1 [get it](#)  
GP-06 2001-10-01 4 . 11 . 0 [get it](#)

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<b>TS 05.03</b>	<b>Channel coding</b>					
Ph2	<i>current version:</i> 4.5.1	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> SÉBIRE, Benoist	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 1 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-13 1995-01-27 4 . 2 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #7: 4.1.0 #13: 4.2.0 #15: 4.3.0 #21: 4.4.0 #22: 4.5.0		
	smg-15 1995-07-07 4 . 3 . 0		<a href="#">get it</a>			
	smg-21 1997-02-14 4 . 4 . 0		<a href="#">get it</a>			
	smg-22 1997-06-13 4 . 5 . 0		<a href="#">get it</a>			
	Editorial 1997-07-13 4 . 5 . 1		<a href="#">get it</a>			

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<b>TS 05.04</b>	<b>Modulation</b>					
Ph2	<i>current version:</i> 4.0.3	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> SÉBIRE, Benoist	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI publication 1994-09-13 4 . 0 . 3		<a href="#">get it</a>	<i>remarks - this release:</i>		

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## TS 05.05 Radio Transmission and Reception

Ph2 *current version:* 4.23.1

*freeze\_meeting:* smg-11b

*history (event, available, version, comments):*

smg-07	1993-06-25	4	.	6	.	0
smg-08	1993-10-01	4	.	7	.	0
smg-09	1994-01-21	4	.	8	.	0
smg-10	1994-04-15	4	.	9	.	0
smg-13	1995-01-27	4	.	10	.	0
smg-14	1995-04-07	4	.	11	.	0
ETSI Publication	2003-09-01	4	.	12	.	0
smg-16	1995-10-20	4	.	13	.	0
smg-17	1996-02-02	4	.	14	.	0
smg-18	1996-04-12	4	.	15	.	0
smg-19	1996-06-28	4	.	16	.	0
smg-20	1996-10-11	4	.	17	.	0
smg-21	1997-02-14	4	.	18	.	0
smg-22	1997-06-13	4	.	19	.	0
smg-23	1997-10-17	4	.	20	.	0
smg-24	1997-12-19	4	.	21	.	0
smg-26	1998-06-26	4	.	22	.	0
smg-29	1999-06-25	4	.	23	.	0
ETSI Publication	1999-12-17	4	.	23	.	1

*WG (prime / other):* G1 / - *rapporteur:* SAMUELSSON, Mats Telefon AB LM Ericsson  
*G: yes U:* *MCC:* USAI, Paolino

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:*

[get it](#)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 05.08 Radio Subsystem Link Control

Ph2 *current version:* 4.22.1

*freeze\_meeting:* smg-11b

*history (event, available, version, comments):*

smg-07	1993-06-25	4	.	6	.	0
smg-08	1993-10-01	4	.	7	.	0
smg-09	1994-01-21	4	.	8	.	0
smg-10	1994-04-15	4	.	9	.	0
smg-11	1994-07-01	4	.	10	.	0
smg-12	1994-10-07	4	.	11	.	0
smg-13	1995-01-27	4	.	12	.	0
smg-14	1995-04-07	4	.	13	.	0
smg-15	1995-07-07	4	.	14	.	0
smg-16	1995-10-20	4	.	15	.	0
smg-17	1996-02-02	4	.	16	.	0
smg-18	1996-04-12	4	.	17	.	0
smg-19	1996-06-28	4	.	18	.	0
smg-22	1997-06-13	4	.	19	.	0
smg-23	1997-10-17	4	.	20	.	0
smg-24	1997-12-19	4	.	21	.	0
smg-27	1998-10-16	4	.	22	.	0
ETSI Publication	1999-03-09	4	.	22	.	1

*WG (prime / other):* G1 / - *rapporteur:* EL-SAIGH, Amer

VODAFONE Group Plc

G: yes U:

MCC: USAI, Paolino

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:*

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[get it](#)

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## TS 05.10 Radio subsystem synchronization

Ph2 *current version:* 4.9.0

*freeze\_meeting:* smg-11b

*history (event, available, version, comments):*

smg-07	1993-06-25	4	.	2	.	0
smg-08	1993-10-01	4	.	3	.	0
smg-09	1994-01-21	4	.	4	.	0
smg-13	1995-01-27	4	.	5	.	0
smg-14	1995-04-07	4	.	6	.	0
smg-16	1995-10-20	4	.	7	.	0
smg-17	1996-02-02	4	.	8	.	0
smg-18	1996-04-12	4	.	9	.	0

*WG (prime / other):* G1 / - *rapporteur:* JOKINEN, Harri

NOKIA MOBILE PHONES

G: yes U:

MCC: USAI, Paolino

[get it](#) *remarks - general:*

[get it](#) *remarks - this release:*

[get it](#)

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<b>TR 05.22</b>	<b>Radio link management in hierarchical networks</b>				
Ph2	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> VAN BUSSEL, Han	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
	smg-18 1996-04-12 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i> #18: 4.0.0		
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<b>TR 05.50</b>	<b>Background for RF Requirements</b>				
Ph2	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	Skov		
	<i>history (event, available, version, comments):</i>		<i>MCC:</i> USAI, Paolino		
	smg-08 1993-10-01 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-13 1995-01-27 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #8: 4.0.0 #13: 4.1.0 #17: 4.2.0		
	smg-17 1996-02-02 4 . 2 . 0	<a href="#">get it</a>			
<hr/>					
<b>TR 05.90</b>	<b>GSM Electromagnetic Compatibility (EMC) considerations</b>				
Ph2	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
	smg-07 4 . 1 . 0		<i>remarks - general:</i>		
	smg-08 4 . 2 . 0		<i>remarks - this release:</i>		
	ETSI publication 1994-02-15 4 . 2 . 1	<a href="#">get it</a>			
	smg-15 1995-08-15 4 . 3 . 0	<a href="#">get it</a>			
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	Ph2	06 .- series	Server location:	<a href="http://www.3gpp.org/ftp/Specs/archive/06_series">http://www.3gpp.org/ftp/Specs/archive/06_series</a>	
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<b>TS 06.01</b>	<b>Full Rate Speech Processing Functions</b>				
Ph2	<i>current version:</i> 4.0.7	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
	smg-07 1993-06-25 4 . 0 . 2	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-23 1997-10-17 4 . 0 . 6	<a href="#">get it</a>	<i>remarks - this release:</i>		
	ETSI Publication 1998-04-07 4 . 0 . 7	<a href="#">get it</a>			
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<b>TS 06.02</b>	<b>Half Rate Speech Processing Functions</b>					
Ph2	<i>current version:</i> 4.0.2	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-13 1995-01-27 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 1995-12-19 4 . 0 . 2		<a href="#">get it</a>	<i>remarks - this release:</i> #13: 4.0.0		
<hr/>						
<b>TS 06.06</b>	<b>Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec</b>					
Ph2	<i>current version:</i> 4.2.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-13 1995-01-27 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-16 1995-10-20 4 . 0 . 2		<a href="#">get it</a>	<i>remarks - this release:</i> #13: 4.0.0 #16: 4.0.2 #17: 4.1.0 #23: 4.2.0		
	smg-17 1996-02-02 4 . 1 . 0		<a href="#">get it</a>			
	smg-23 1997-10-17 4 . 2 . 0		<a href="#">get it</a>			
	Editorial 1997-11-17 4 . 2 . 1		<a href="#">get it</a>			
<hr/>						
<b>TS 06.07</b>	<b>Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec</b>					
Ph2	<i>current version:</i> 4.2.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-13 1995-01-27 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-20 1996-10-11 4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #13: 4.0.0 #20: 4.1.0 #22: 4.2.0		
	smg-22 1997-06-13 4 . 2 . 0		<a href="#">get it</a>			
	Editorial 1997-07-13 4 . 2 . 1		<a href="#">get it</a>			
<hr/>						
<b>TR 06.08</b>	<b>Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec</b>					
Ph2	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SALEM, Tarek	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-16 1995-10-20 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i> #16: 4.0.0		

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<b>TS 06.10</b>	<b>Full Rate Speech Transcoding</b>					
Ph2	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> LORENZ, Dietmar	PHILIPS Semiconductors		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-23 1997-10-17 4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-32 2000-06-20 4 . 2 . 0		<a href="#">get it</a>			
	Editorial 2000-07-20 4 . 2 . 1		<a href="#">get it</a>			
	Correction of figure 2001-06-29 4 . 3 . 0		<a href="#">get it</a>			
	3.2					
<hr/>						
<b>TS 06.11</b>	<b>Substitution and Muting of Lost Frames for Full Rate Speech Channels</b>					
Ph2	<i>current version:</i> 4.0.6	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> NAVARRO, William	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 0 . 1		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-23 1997-10-17 4 . 0 . 5		<a href="#">get it</a>	<i>remarks - this release:</i> #7: 4.0.1 #23: 4.0.5		
	ETSI Publication 1998-04-07 4 . 0 . 6		<a href="#">get it</a>			
<hr/>						
<b>TS 06.12</b>	<b>Comfort Noise Aspects for Full Rate Speech Traffic Channels</b>					
Ph2	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SERENO, Daniele	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 0 . 1		<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 1994-09-13 4 . 0 . 4		<a href="#">get it</a>	<i>remarks - this release:</i> #7: 4.0.1		
	SP-12 2001-06-29 4 . 1 . 0		<a href="#">get it</a>			
<hr/>						
<b>TS 06.20</b>	<b>Half Rate Speech Transcoding</b>					
Ph2	<i>current version:</i> 4.3.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-13 1995-01-27 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-14 1995-04-07 4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #13: 4.0.0 #14: 4.1.0 #17: 4.3.0		
	smg-17 1996-02-02 4 . 3 . 0		<a href="#">get it</a>			
	ETSI Publication 1996-03-03 4 . 3 . 1		<a href="#">get it</a>			

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<b>TS 06.21</b>	<b>Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels</b>				
Ph2	<i>current version:</i> 4.0.2	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
	smg-13 1995-01-27 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 1995-12-19 4 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release:</i> #13: 4.0.0		
<hr/>					
<b>TS 06.22</b>	<b>Comfort Noise Aspects for Half Rate Speech Traffic Channels</b>				
Ph2	<i>current version:</i> 4.1.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
	smg-13 1995-01-27 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-15 1995-07-07 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #13: 4.0.0 #15: 4.1.0		
	Editorial 1995-08-07 4 . 1 . 1	<a href="#">get it</a>			
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<b>TS 06.31</b>	<b>Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels</b>				
Ph2	<i>current version:</i> 4.0.5	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
	smg-07 1993-06-25 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-23 1997-10-17 4 . 0 . 5	<a href="#">get it</a>	<i>remarks - this release:</i> #7: 4.0.1 #23: 4.0.5		
<hr/>					
<b>TS 06.32</b>	<b>Voice Activity Detection (VAD)</b>				
Ph2	<i>current version:</i> 4.3.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> BARRETT, Paul	Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
	smg-07 1993-06-25 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-13 1995-01-27 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #7: 4.0.1 #9: 4.0.3 #13: 4.1.0 #17: 4.2.0 #20: 4.2.1 #23: 4.3.0		
	smg-17 1996-02-02 4 . 2 . 0	<a href="#">get it</a>			
	smg-23 1997-10-17 4 . 3 . 0	<a href="#">get it</a>			
	Editorial 1997-11-17 4 . 3 . 1	<a href="#">get it</a>			

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<b>TS 06.41</b>	<b>Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels</b>					
Ph2	<i>current version:</i> 4.0.2	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino		TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-13 1995-01-27 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI Publication 1995-02-19 4 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release:</i> #13: 4.0.0			
<hr/>						
<b>TS 06.42</b>	<b>Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels</b>					
Ph2	<i>current version:</i> 4.1.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> BARRETT, Paul		Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-13 1995-01-27 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-15 1995-07-07 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #13: 4.0.0 #15: 4.1.0			
	Editorial 1995-08-07 4 . 1 . 1	<a href="#">get it</a>				
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<b>TS 06.51</b>	<b>GSM Enhanced full rate speech processing functions: General description</b>					
Ph2	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari		NOKIA Corporation	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-22 1997-06-13 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication 1997-12-31 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #22: 4.0.0 #32:4.1.0 TSG#10:4.2.0			
	smg-32 2000-06-28 4 . 1 . 0	<a href="#">get it</a>				
	ETSI publication 2000-11-30 4 . 1 . 1	<a href="#">get it</a>				
	SP-10 2000-12-20 4 . 2 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 06.53</b>	<b>ANSI-C code for the GSM Enhanced Full Rate (EFR) speech codec</b>					
Ph2	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari		NOKIA Corporation	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-23 1997-10-17 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			

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<b>TS 06.54</b>	<b>Test sequences for the GSM Enhanced Full Rate (EFR)</b>					
Ph2	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-22 1997-06-13 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI publication 1998-09-29 4 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-32 2000-06-20 4 . 1 . 0		<a href="#">get it</a>			
	SP-10 2000-12-20 4 . 2 . 0		<a href="#">get it</a>			
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<b>TR 06.55</b>	<b>Performance characterisation of the GSM EFR Speech Codec</b>					
Ph2	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SALEM, Tarek	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-22 1997-06-13 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release: #22: 4.0.0</i>		
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<b>TS 06.60</b>	<b>Enhanced full rate speech transcoding</b>					
Ph2	<i>current version:</i> 4.1.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-23 1997-10-17 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-25 1998-03-20 4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release: #23: 4.0.1 #25: 4.1.0</i>		
	ETSI Publication 2000-08-24 4 . 1 . 1		<a href="#">get it</a>			
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<b>TS 06.61</b>	<b>Substitution and muting of lost frames for enhanced full rate speech traffic channels</b>					
Ph2	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-22 1997-06-13 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	Editorial 1997-07-13 4 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release: #22: 4.0.0</i>		
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<b>TS 06.62</b>	<b>Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels</b>					
Ph2	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	smg-23 1997-10-17 4 . 0 . 1		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release: #23: 4.0.1</i>		

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**TS 06.81 Discontinuous Transmission (DTX) for enhanced full rate speech traffic channels**

Ph2 *current version:* 4.1.1 *WG (prime / other):* S4 / - *rapporteur:* JÄRVINEN, Kari NOKIA Corporation  
*freeze\_meeting:* smg-11b *G: yes U:* MCC: USAI, Paolino  
*history (event, available, version, comments):*  
smg-22 1997-06-13 4 . 0 . 0 [get it](#) *remarks - general:*  
smg-30 1999-11-11 4 . 1 . 0 [get it](#) *remarks - this release:* #22: 4.0.0 #30: 4.1.0  
ETSI Publication 2000-08-09 4 . 1 . 1 [get it](#)

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**TS 06.82 Voice Activity Detection (VAD) for enhanced full rate speech traffic channels**

Ph2 *current version:* 4.0.1 *WG (prime / other):* S4 / - *rapporteur:* JÄRVINEN, Kari NOKIA Corporation  
*freeze\_meeting:* smg-11b *G: yes U:* MCC: USAI, Paolino  
*history (event, available, version, comments):*  
smg-22 1997-06-13 4 . 0 . 0 [get it](#) *remarks - general:*  
Editorial 1997-07-13 4 . 0 . 1 [get it](#) *remarks - this release:* #22: 4.0.0

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Ph2 **07** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/07\\_series](http://www.3gpp.org/ftp/Specs/archive/07_series)

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**TS 07.01 General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)**

Ph2 *current version:* 4.10.0 *WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*freeze\_meeting:* smg-11b *G: yes U:* MCC: BOSWARTHICK, David  
*history (event, available, version, comments):*  
smg-07 1993-06-25 4 . 5 . 0 [get it](#) *remarks - general:*  
smg-08 1993-10-01 4 . 6 . 0 [get it](#) *remarks - this release:*  
smg-10 1994-04-15 4 . 7 . 0 [get it](#)  
smg-13 1995-01-27 4 . 8 . 0 [get it](#)  
smg-15 1995-07-07 4 . 9 . 0 [get it](#)  
smg-16 1995-10-20 4 . 10 . 0 [get it](#)

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<b>TS 07.02</b>	<b>Terminal Adaptation Functions (TAF) for Services Using Asynchronous Bearer Capabilities</b>				
Ph2	<i>current version:</i> 4.5.1	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> HUSLENDE, Ragnar	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> BOSWARTHICK, David		
	<i>history (event, available, version, comments):</i>				
	smg-07 1993-06-25 4 . 4 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-09 1994-01-21 4 . 4 . 2	<a href="#">get it</a>	<i>remarks - this release:</i> #7: 4.4.0 #9: 4.4.2 #11: 4.5.0		
	smg-11 1994-07-01 4 . 5 . 0	<a href="#">get it</a>			
	Editorial 1994-08-01 4 . 5 . 1	<a href="#">get it</a>			

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<b>TS 07.03</b>	<b>Terminal Adaptation Functions (TAF) for Services Using Synchronous Bearer Capabilities</b>				
Ph2	<i>current version:</i> 4.5.1	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> HUSLENDE, Ragnar	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> BOSWARTHICK, David		
	<i>history (event, available, version, comments):</i>				
	smg-07 1993-06-25 4 . 4 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-09 1994-01-21 4 . 5 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #7: 4.4.0 #9: 4.5.0		
	Editorial 1994-02-21 4 . 5 . 1	<a href="#">get it</a>			

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<b>TS 07.05</b>	<b>Use of Data Terminal Equipment - Data Circuit Terminating Equipment (DTE-DCE) Interface for Short Message Services (SMS) and Cell Broadcast Services (CBS)</b>				
Ph2	<i>current version:</i> 4.8.1	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Research In Motion Limited	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> RODERMUND, Friedhelm		
	<i>history (event, available, version, comments):</i>				
	smg-07 1993-06-25 4 . 2 . 1	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-08 1993-10-01 4 . 3 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-12 1994-10-07 4 . 4 . 0	<a href="#">get it</a>			
	smg-16 1995-10-20 4 . 5 . 0	<a href="#">get it</a>			
	smg-17 1996-02-02 4 . 6 . 0	<a href="#">get it</a>			
	smg-18 1996-04-12 4 . 7 . 0	<a href="#">get it</a>			
	smg-20 1996-10-11 4 . 8 . 0	<a href="#">get it</a>			
	Editorial 1996-11-11 4 . 8 . 1	<a href="#">get it</a>			

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## TS 07.07 AT Command set for GSM Mobile Equipment (ME)

Ph2  
*current version:* 4.4.1  
*freeze\_meeting:* smg-11b  
*history (event, available, version, comments):*

smg-16	1995-10-20	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-18	1996-04-12	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
smg-24	1997-12-19	4	.	2	.	0	<a href="#">get it</a>
smg-25	1998-03-20	4	.	3	.	0	<a href="#">get it</a>
smg-27	1998-10-16	4	.	4	.	0	<a href="#">get it</a>
Editorial	1998-11-16	4	.	4	.	1	<a href="#">get it</a>

*WG (prime / other):* T2 / - *rapporteur:* CHRISTENSEN, Soren Telefon AB LM Ericsson  
*G: yes U:* *MCC:* RODERMUND, Friedhelm

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Ph2 08 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/08\\_series](http://www.3gpp.org/ftp/Specs/archive/08_series)

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## TS 08.01 General Aspects on the BSS-MSC Interface

Ph2  
*current version:* 4.0.3  
*freeze\_meeting:* smg-11b  
*history (event, available, version, comments):*

smg-07	1993-06-25	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
ETSI Publication	1994-09-13	4	.	0	.	3	<a href="#">get it</a> <i>remarks - this release:</i>

*WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*G: yes U:* *MCC:* THOMASEN, Gert

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## TS 08.02 Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles

Ph2  
*current version:* 4.2.0  
*freeze\_meeting:* smg-11b  
*history (event, available, version, comments):*

smg-07	1993-06-25	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-10	1994-04-15	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
smg-13	1995-01-27	4	.	2	.	0	<a href="#">get it</a>

*WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*G: yes U:* *MCC:* THOMASEN, Gert

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## TS 08.04 Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification

Ph2 *current version:* 4.0.3 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-11b  
G: yes U: *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
smg-07 1993-06-25 4 . 0 . 0 [get it](#) *remarks - general:*  
ETSI Publication 1994-09-13 4 . 0 . 3 [get it](#) *remarks - this release:*

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## TS 08.06 Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface

Ph2 *current version:* 4.5.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-11b  
G: yes U: *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
smg-07 1993-06-25 4 . 1 . 0 [get it](#) *remarks - general:*  
smg-08 1993-10-01 4 . 2 . 0 [get it](#) *remarks - this release:*  
smg-09 1994-01-21 4 . 3 . 0 [get it](#)  
smg-10 1994-04-15 4 . 4 . 0 [get it](#)  
smg-12 1994-10-07 4 . 5 . 0 [get it](#)

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## TS 08.08 Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification

Ph2 *current version:* 4.12.1 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-11b  
G: yes U: *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
smg-07 1993-06-25 4 . 4 . 0 [get it](#) *remarks - general:*  
smg-08 1993-10-01 4 . 5 . 0 [get it](#) *remarks - this release:*  
smg-09 1994-01-21 4 . 6 . 0 [get it](#)  
smg-10 1994-04-15 4 . 7 . 0 [get it](#)  
ETSI Publication 2003-09-01 4 . 7 . 1 [get it](#)  
smg-13 1995-01-27 4 . 8 . 0 [get it](#)  
smg-15 1995-07-07 4 . 9 . 0 [get it](#)  
smg-16 1995-10-20 4 . 10 . 0 [get it](#)  
smg-17 1996-02-02 4 . 11 . 0 [get it](#)  
smg-23 1997-10-17 4 . 12 . 0 [get it](#)  
ETSI Publication 1998-10-23 4 . 12 . 1 [get it](#)

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<b>TS 08.20</b>	<b>Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface</b>				
Ph2	<i>current version:</i> 4.2.3	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> RÄSÄNEN, Juha	NOKIA Corporation	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> BOSWARTHICK, David		
	<i>history (event, available, version, comments):</i>				
	smg-07 1993-06-25 4 . 2 . 1		<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-13 1995-01-27 4 . 2 . 3		<a href="#">get it</a>	<i>remarks - this release:</i>	
<hr/>					
<b>TS 08.51</b>	<b>Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects</b>				
Ph2	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> THOMASEN, Gert	Skov	
	<i>history (event, available, version, comments):</i>				
	smg-07 1993-06-25 4 . 0 . 1		<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-13 1995-01-27 4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
<hr/>					
<b>TS 08.52</b>	<b>Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles</b>				
Ph2	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> THOMASEN, Gert	Skov	
	<i>history (event, available, version, comments):</i>				
	smg-07 1993-06-25 4 . 0 . 1		<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-13 1995-01-27 4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-14 1995-04-07 4 . 2 . 0		<a href="#">get it</a>		
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<b>TS 08.54</b>	<b>BSC-BTS Layer 1; Structure of Physical Circuits</b>				
Ph2	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> THOMASEN, Gert	Skov	
	<i>history (event, available, version, comments):</i>				
	smg-07 1993-06-26 4 . 0 . 1		<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-13 1995-01-27 4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
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<b>TS 08.56</b>	<b>BSC-BTS Layer 2; Specification</b>				
Ph2	<i>current version:</i> 4.0.2	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> THOMASEN, Gert	Skov	
	<i>history (event, available, version, comments):</i>				
	smg-08 1993-10-01 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 1994-09-13 4 . 0 . 2		<a href="#">get it</a>	<i>remarks - this release:</i>	

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<b>TS 08.58</b>	<b>Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification</b>				
Ph2	<i>current version:</i> 4.9.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-11b		Skov		
		G: yes U:	MCC:	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i>				
	smg-07 1993-06-25	4 . 3 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-08 1993-10-01	4 . 4 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	#7: 4.3.0 #8: 4.4.0 #9: 4.5.0 #10: 4.6.0 #13: 4.7.0 #15: 4.8.0 #16: 4.9.0
	smg-09 1994-01-21	4 . 5 . 0	<a href="#">get it</a>		
	smg-10 1994-04-15	4 . 6 . 0	<a href="#">get it</a>		
	smg-13 1995-01-27	4 . 7 . 0	<a href="#">get it</a>		
	smg-15 1995-07-07	4 . 8 . 0	<a href="#">get it</a>		
	smg-16 1995-10-20	4 . 9 . 0	<a href="#">get it</a>		

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<b>TS 08.60</b>	<b>In-band control of remote transcoders and rate adaptors for Enhanced Full Rate (EFR) and full rate traffic channels</b>				
Ph2	<i>current version:</i> 4.4.1	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-11b		Skov		
		G: yes U:	MCC:	USAI, Paolino	
	<i>history (event, available, version, comments):</i>				
	smg-07 1993-06-25	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
	smg-13 1995-01-27	4 . 2 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-22 1997-06-13	4 . 3 . 0	<a href="#">get it</a>		
	smg-23 1997-10-17	4 . 4 . 0	<a href="#">get it</a>		
	Editorial 1997-11-17	4 . 4 . 1	<a href="#">get it</a>		

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<b>TS 08.61</b>	<b>In-band control of remote transcoders and rate adaptors for half rate traffic channels</b>				
Ph2	<i>current version:</i> 4.0.2	<i>WG (prime / other):</i> G1 / NP	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-11b		Skov		
		G: yes U:	MCC:	USAI, Paolino	
	<i>history (event, available, version, comments):</i>				
	smg-13 1995-01-27	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
	ETSI Publication 1996-01-19	4 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release:</i>	

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<b>TR 09.01</b>	<b>General Network Interworking Scenarios</b>					
Ph2	<i>current version:</i> 4.0.1		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo		TeliaSonera AB
	<i>freeze_meeting:</i> smg-11b		<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>					
	smg-08 1993-10-01 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-09 1994-01-21 4 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>		
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<b>TS 09.02</b>	<b>Mobile Application Part (MAP) Specification</b>					
Ph2	<i>current version:</i> 4.19.1		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich		Gesellschaft für Kommunikations Software
	<i>freeze_meeting:</i> smg-11b		<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>					
	smg-07 1993-06-25 4 . 4 . 0		<a href="#">get it</a>	<i>remarks - general:</i> CN->N4 Apr00 (JMM)		
	smg-08 1993-10-01 4 . 5 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-09 1994-01-21 4 . 6 . 0		<a href="#">get it</a>			
	smg-10 1994-04-15 4 . 7 . 0		<a href="#">get it</a>			
	smg-11 1994-07-01 4 . 8 . 0		<a href="#">get it</a>			
	smg-12 1994-10-07 4 . 9 . 0		<a href="#">get it</a>			
	smg-13 1995-01-27 4 . 10 . 0		<a href="#">get it</a>			
	smg-14 1995-04-07 4 . 11 . 0		<a href="#">get it</a>			
	smg-16 1995-10-20 4 . 12 . 0		<a href="#">get it</a>			
	smg-17 1996-02-02 4 . 13 . 0		<a href="#">get it</a>			
	smg-19 1996-06-28 4 . 14 . 0		<a href="#">get it</a>			
	smg-20 1996-10-11 4 . 15 . 0		<a href="#">get it</a>			
	smg-21 1997-02-14 4 . 16 . 0		<a href="#">get it</a>			
	smg-22 1997-06-13 4 . 17 . 0		<a href="#">get it</a>			
	smg-23 1997-10-17 4 . 18 . 0		<a href="#">get it</a>			
	NP-08 2000-06-23 4 . 19 . 0		<a href="#">get it</a>			
	ETSI Publication 2001-01-04 4 . 19 . 1		<a href="#">get it</a>			
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<b>TS 09.03</b>	<b>Signalling Requirements on Interworking between the Intergrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) and the Public Land Mobile</b>					
Ph2	<i>current version:</i> <b>Network (PLMN)</b>	4.0.3	<i>WG (prime / other):</i> N3	/-	<i>rapporteur:</i> BOSWARTHICK, David	
ETSI Secretariat						
	<i>freeze_meeting:</i> smg-11b		<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David		
	<i>history (event, available, version, comments):</i>					
	smg-08 1993-10-01 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> N3: "no R99 needed".		
	smg-09 1994-01-21 4 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> #8: 4.0.0 #9: 4.0.1		
	ETSI Publication 1995-03-14 4 . 0 . 3		<a href="#">get it</a>			

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<b>TS 09.04</b>	<b>Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)</b>								
Ph2	<i>current version:</i> 4.0.2	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat					
	<i>freeze_meeting:</i> smg-11b	<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David						
	<i>history (event, available, version, comments):</i>								
	smg-07 1993-06-25 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> N3: "no R99 needed".					
	smg-08 1993-10-01 4 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> #7: 4.0.0 #8: 4.0.1 #9: 4.0.2					
	smg-09 1994-01-21 4 . 0 . 2		<a href="#">get it</a>						
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<b>TS 09.05</b>	<b>Interworking between the PLMN and the PSPDN for PAD Access</b>								
Ph2	<i>current version:</i> 4.4.2	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat					
	<i>freeze_meeting:</i> smg-11b	<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David						
	<i>history (event, available, version, comments):</i>								
	smg-07 1993-06-25 4 . 3 . 0		<a href="#">get it</a>	<i>remarks - general:</i> N3: "no R99 needed".					
	smg-08 1993-10-01 4 . 4 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #7: 4.3.0 #8: 4.4.0 #9: 4.4.1					
	smg-09 1994-01-21 4 . 4 . 1		<a href="#">get it</a>						
	ETSI Publication 1994-09-13 4 . 4 . 2		<a href="#">get it</a>						
<hr/>									
<b>TS 09.06</b>	<b>Interworking between a Public Land Mobile Network (PLMN) and a Packet Switched Public Data Network/Intergrated Services digital Network (PSPDN/ISDN) for Support of Packet</b>								
Ph2	<i>current version:</i> <b>Switched Data Transmission Services</b>	4.5.0	<i>WG (prime / other):</i> N3	/-	<i>rapporteur:</i> BOSWARTHICK, David				
ETSI Secretariat									
	<i>freeze_meeting:</i> smg-11b	<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David						
	<i>history (event, available, version, comments):</i>								
	smg-07 1993-06-25 4 . 3 . 0		<a href="#">get it</a>	<i>remarks - general:</i> N3: "no R99 needed".					
	smg-09 1994-01-21 4 . 4 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #7: 4.3.0 #9: 4.4.0 #12: 4.5.0					
	smg-12 1994-10-07 4 . 5 . 0		<a href="#">get it</a>						

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<b>TS 09.07</b>	<b>General Requirements on Interworking between the Public Land Mobile Network (PLMN) and the Intergrated Services Digital Network (ISDN) or Public Switched Telephone</b>								
Ph2	<i>current version:</i> Network (PSTN)	4.13.1	<i>WG (prime / other):</i>	N3	/-	<i>rapporteur:</i>	KLEHN, Norbert		
SIEMENS AG									
	<i>freeze_meeting:</i> smg-11b		G: yes	U:		<i>MCC:</i>	BOSWARTHICK, David		
<i>history (event, available, version, comments):</i>									
	smg-07	1993-06-25	4	.	4	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	smg-08	1993-10-01	4	.	5	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> #7: 4.4.0 #8: 4.5.0 #9: 4.6.0 #10: 4.7.0 #13: 4.8.0 #14: 4.9.0 #16: 4.10.0 #18: 4.11.0 #20: 4.12.0 #27: 4.13.0
	smg-09	1994-01-21	4	.	6	.	0	<a href="#">get it</a>	
	smg-10	1994-04-15	4	.	7	.	0	<a href="#">get it</a>	
	smg-13	1995-01-27	4	.	8	.	0	<a href="#">get it</a>	
	smg-14	1995-04-07	4	.	9	.	0	<a href="#">get it</a>	
	smg-16	1995-10-20	4	.	10	.	0	<a href="#">get it</a>	
	smg-18	1996-04-12	4	.	11	.	0	<a href="#">get it</a>	
	smg-20	1996-10-11	4	.	12	.	0	<a href="#">get it</a>	
	smg-27	1998-10-16	4	.	13	.	0	<a href="#">get it</a>	
	ETSI Publication	1999-03-23	4	.	13	.	1	<a href="#">get it</a>	

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<b>TS 09.08</b>	<b>Application of the Base Station System Application Part (BSSAP) on the E-Interface</b>								
Ph2	<i>current version:</i> 4.1.1		<i>WG (prime / other):</i>	N1	/-	<i>rapporteur:</i>	FARHOUMAND, Rouzbeh Ericsson Incorporated		
<i>freeze_meeting:</i> smg-11b									
			G: yes	U:		<i>MCC:</i>	JORGENSEN, Per Johan		
<i>history (event, available, version, comments):</i>									
	smg-09	1994-01-21	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	smg-13	1995-01-27	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> #9: 4.0.0 #13: 4.1.0
	Editorial	1995-02-27	4	.	1	.	1	<a href="#">get it</a>	

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<b>TS 09.10</b>	<b>Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling</b>								
Ph2	<i>current version:</i> Procedures and the Mobile Application Part (MAP)	4.4.1	<i>WG (prime / other):</i>	N4	/-	<i>rapporteur:</i>	KYMALAINEN, Kimmo		
TeliaSonera AB									
	<i>freeze_meeting:</i> smg-11b		G: yes	U:		<i>MCC:</i>	KYMALAINEN, Kimmo		
<i>history (event, available, version, comments):</i>									
	smg-08	1993-10-01	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	smg-09	1994-01-21	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> #8: 4.0.0 #9: 4.1.0 #10: 4.2.0 #17: 4.3.0 #23: 4.4.0
	smg-10	1994-04-15	4	.	2	.	0	<a href="#">get it</a>	
	smg-17	1996-02-02	4	.	3	.	0	<a href="#">get it</a>	
	smg-23	1997-10-17	4	.	4	.	0	<a href="#">get it</a>	
	Editorial	1997-11-17	4	.	4	.	1	<a href="#">get it</a>	

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 09.11</b>	<b>Signalling Interworking for Supplementary Services</b>						
Ph2	<i>current version:</i> 4.6.1	<i>WG (prime / other):</i>	N4 / -	<i>rapporteur:</i>	WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> smg-11b	<i>G: yes U:</i>		<i>MCC:</i>	KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>						
	smg-07 1993-06-25	4 . 1 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-08 1993-10-01	4 . 2 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	#7: 4.1.0 #8: 4.2.0 #9: 4.3.0 #12: 4.4.0 #13: 4.5.0 #19: 4.6.0	
	smg-09 1994-01-21	4 . 3 . 0		<a href="#">get it</a>			
	smg-12 1994-10-07	4 . 4 . 0		<a href="#">get it</a>			
	smg-13 1995-01-27	4 . 5 . 0		<a href="#">get it</a>			
	smg-19 1996-06-28	4 . 6 . 0		<a href="#">get it</a>			
	Editorial 1996-07-28	4 . 6 . 1		<a href="#">get it</a>			
<hr/>							
<b>TS 09.12</b>	<b>Application of ISDN User Part (ISUP) Version 2 for the Integrated Services Digital Network (ISDN) - Public Land Mobile Network (PLMN) signalling interface; Paart 1: Protocol</b>						
Ph2	<i>current version:</i> 4.2.2	<i>WG (prime / other):</i>	TISPAN / N4	<i>rapporteur:</i>	HÄNDIG, Peter	Telia Mobile AB	
	<i>freeze_meeting:</i> smg-11b	<i>G: yes U:</i>		<i>MCC:</i>			
	<i>history (event, available, version, comments):</i>						
	smg-17	4 . 0 . 0			<i>remarks - general:</i>	EN 300 646	
	ETSI vote 1997-02-06	4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	smg-22: 4.2.1 - SPAN1 prime resp., SMG 2nd resp. - different numbering scheme.	
	ETSI publication 1997-05-16	4 . 1 . 1		<a href="#">get it</a>			
	smg-22 1997-06-13	4 . 2 . 1		<a href="#">get it</a>			
	ETSI publication 1999-05-26	4 . 2 . 2		<a href="#">get it</a>			
<hr/>							
<b>TR 09.90</b>	<b>Interworking between Phase 1 Infrastructure and Phase 2 Mobile Stations (MS)</b>						
Ph2	<i>current version:</i> 4.9.0	<i>WG (prime / other):</i>	N1 / -	<i>rapporteur:</i>	HOWELL, Andrew	MOTOROLA Ltd	
	<i>freeze_meeting:</i> smg-11b	<i>G: yes U:</i>		<i>MCC:</i>	JORGENSEN, Per Johan		
	<i>history (event, available, version, comments):</i>						
	smg-15 1995-07-07	4 . 5 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-16 ? 1995-10-20	4 . 6 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-18 1996-04-12	4 . 7 . 0		<a href="#">get it</a>			
	smg-19 1996-06-28	4 . 8 . 0		<a href="#">get it</a>			
	smg-22 1997-06-13	4 . 9 . 0		<a href="#">get it</a>			
<hr/>							
<b>TS 09.91</b>	<b>Interworking Aspects of the SIM/ME Interface Between Phase 1 and Phase 2</b>						
Ph2	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i>	T3 / -	<i>rapporteur:</i>	GUTHERY, Scott B.	Mobile-Mind Inc.	
	<i>freeze_meeting:</i> smg-11b	<i>G: yes U:</i>		<i>MCC:</i>	JURISIC, Andrijana		
	<i>history (event, available, version, comments):</i>						
	smg-10 1994-04-15	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	Editorial correction 1994-05-15	4 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>	#10: 4.0.0	

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TR 09.94</b>	<b>Recommended infrastructure measures to overcome specific Mobile Station (MS) faults</b>								
Ph2	<i>current version:</i> 4.6.1								
	<i>freeze_meeting:</i> smg-11b								
		<i>WG (prime / other):</i>	N1	/ -	<i>rapporteur:</i>	ANDERSEN, Niels Peter	MOTOROLA A/S		
						Skov			
		<i>G:</i> yes		<i>U:</i>	<i>MCC:</i>	JORGENSEN, Per Johan			
	<i>history (event, available, version, comments):</i>								
	smg-14	1995-04-07	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	smg-15	1995-07-07	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> v4.x.x belongs to all releases from ph2 onwards. 2002-05-02 (Hietalahti): Anticipate recast as null document pointing to latest Release version.
	smg-16	1995-10-20	4	.	2	.	0	<a href="#">get it</a>	
	smg-19	1996-06-28	4	.	3	.	0	<a href="#">get it</a>	
	smg-23	1997-10-17	4	.	4	.	0	<a href="#">get it</a>	
	smg-30	1999-11-11	4	.	5	.	0	<a href="#">get it</a>	
	NP-16	2002-06-26	4	.	6	.	0	<a href="#">get it</a>	
	edito post NP-18	2002-12-16	4	.	6	.	1	<a href="#">get it</a>	minor editorials to change style from TS to TR.

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Ph2

11 .- series

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**TS 11.10-1 Mobile station (MS) conformance specification; Part 1: Conformance specification**

Ph2 *current version:* 4.29.0 *WG (prime / other):* G3new/ S1 / *rapporteur:* SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* smg-11b NP /

T2 /  
SCP

G: yes U: MCC: CLAYTON, Michael

*history (event, available, version, comments):*

smg-16	1995-10-20	4	.	13	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	R99 version now serves all releases. Earlier releases closed.. Subsequently replaced
smg-17	1996-02-02	4	.	14	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	#31b: closed (R99 version serves all releases) GP-06: Rel-4 serves all releases. by Rel-
5 equivalent. 2001-11-19: G4->G5.									
smg-18	1996-04-12	4	.	15	.	0	<a href="#">get it</a>		
smg-19	1996-06-28	4	.	16	.	0	<a href="#">get it</a>		
smg-20	1996-10-11	4	.	17	.	0	<a href="#">get it</a>		
smg-21	1997-02-14	4	.	18	.	0	<a href="#">get it</a>		
smg-22	1997-06-13	4	.	19	.	0	<a href="#">get it</a>		
smg-23	1997-10-17	4	.	20	.	0	<a href="#">get it</a>		
smg-24	1997-10-19	4	.	21	.	0	<a href="#">get it</a>		
smg-25	1998-03-20	4	.	22	.	0	<a href="#">get it</a>		
smg-26	1998-06-26	4	.	23	.	1	<a href="#">get it</a>		
smg-27	1998-10-16	4	.	24	.	0	<a href="#">get it</a>		
smg-28	1999-02-12	4	.	25	.	0	<a href="#">get it</a>		
smg-29	1999-06-25	4	.	26	.	0	<a href="#">get it</a>		
smg-30	1999-11-11	4	.	27	.	0	<a href="#">get it</a>		
smg-31	2000-02-16	4	.	28	.	0	<a href="#">get it</a>		
ETSI Publication	2000-09-08	4	.	28	.	1	<a href="#">get it</a>		
GP-06	2001-09-06	4	.	29	.	0	<a href="#">get it</a>		

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**TS 11.10-2 Mobile station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification**

Ph2 *current version:* 4.16.0 *WG (prime / other):* G3new/ S1 / *rapporteur:* SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* smg-11b NP /

T2 /  
SCP

G: yes U: MCC: CLAYTON, Michael

*history (event, available, version, comments):*

smg-16	1995-10-20	4	.	13	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	2001-11-19: G4->G5.
smg-17	1996-02-02	4	.	14	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	GP-06: Rel-4 serves all releases.
smg-18	1996-04-12	4	.	15	.	0	<a href="#">get it</a>		
GP-06	2001-09-06	4	.	16	.	0	<a href="#">get it</a>		

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 11.11 Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface

Ph2 *current version:* 4.21.1 *WG (prime / other):* T3 / - *rapporteur:* GUTHERY, Scott B. Mobile-Mind Inc.  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*

smg-07	1993-06-25	4 . 8 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-08	1993-10-01	4 . 9 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
smg-09	1994-01-21	4 . 10 . 0	<a href="#">get it</a>	
smg-10	1994-04-15	4 . 11 . 0	<a href="#">get it</a>	
smg-11	1994-07-01	4 . 12 . 0	<a href="#">get it</a>	
smg-12	1994-10-07	4 . 13 . 0	<a href="#">get it</a>	
ETSI Publication	2003-09-01	4 . 13 . 1	<a href="#">get it</a>	
smg-13	1995-01-27	4 . 14 . 0	<a href="#">get it</a>	
smg-15	1995-04-07	4 . 15 . 0	<a href="#">get it</a>	
smg-16	1995-10-20	4 . 16 . 0	<a href="#">get it</a>	
smg-18	1996-04-12	4 . 17 . 0	<a href="#">get it</a>	
smg-19	1996-06-28	4 . 18 . 0	<a href="#">get it</a>	
smg-22	1997-06-13	4 . 19 . 0	<a href="#">get it</a>	
smg-25	1998-03-20	4 . 20 . 0	<a href="#">get it</a>	
smg-29	1999-06-25	4 . 21 . 0	<a href="#">get it</a>	
ETSI Publication	1999-12-17	4 . 21 . 1	<a href="#">get it</a>	

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## TS 11.12 Specification on the 3 volt subscriber identity module Equipment (SIM-ME) Interface

Ph2 *current version:* 4.3.1 *WG (prime / other):* T3 / - *rapporteur:* LINDHOLM, Rune NOKIA Corporation  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*

smg-15	1995-07-07	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-17	1996-02-02	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
ETSI vote	1996-08-05	4 . 1 . 1	<a href="#">get it</a>	
ETSI publication	1996-12-19	4 . 1 . 2	<a href="#">get it</a>	
smg-21	1997-02-14	4 . 2 . 0	<a href="#">get it</a>	
ETSI publication	1997-08-26	4 . 2 . 1	<a href="#">get it</a>	
smg-23	1997-10-17	4 . 3 . 0	<a href="#">get it</a>	
ETSI publication	1998-04-07	4 . 3 . 1	<a href="#">get it</a>	

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 11.21</b>	<b>Base Station System (BSS) equipment specification; Radio aspects</b>				
Ph2	<i>current version:</i> 4.14.1	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> VACANT,		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
	smg-11 1994-07-01 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-12 1994-10-07 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-13 1995-01-27 4 . 2 . 0	<a href="#">get it</a>			
	smg-15 1995-07-07 4 . 3 . 0	<a href="#">get it</a>			
	smg-16 1995-10-20 4 . 4 . 0	<a href="#">get it</a>			
	smg-17 1996-02-02 4 . 5 . 0	<a href="#">get it</a>			
	smg-18 1996-04-12 4 . 6 . 0	<a href="#">get it</a>			
	smg-20 1996-10-11 4 . 7 . 0	<a href="#">get it</a>			
	smg-22 1997-06-13 4 . 8 . 0	<a href="#">get it</a>			
	smg-23 1997-10-17 4 . 9 . 0	<a href="#">get it</a>			
	smg-25 1998-03-20 4 . 10 . 0	<a href="#">get it</a>			
	smg-26 1998-06-26 4 . 11 . 0	<a href="#">get it</a>			
	smg-27 1998-10-16 4 . 12 . 0	<a href="#">get it</a>			
	smg-28 1999-02-12 4 . 13 . 0	<a href="#">get it</a>			
	smg-29 1999-06-25 4 . 14 . 0	<a href="#">get it</a>			
	ETSI Publication 1999-12-17 4 . 14 . 1	<a href="#">get it</a>			

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<b>TR 11.22</b>	<b>GSM Base Station and Ancillary Equipment, Physical and Electrical Parameters, Application of Standards and Guidance Notes</b>				
Ph2	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> VACANT,		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
	<to be defined> 4 . 0 . 0		<i>remarks - general:</i>		
	smg-21 1997-02-14 4 . 1 . 3	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	smg-31b 2000-04-17 4 . 2 . 0	<a href="#">get it</a>			

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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## TS 11.23 GSM Signalling Aspects Base Station System equipment Specification

Ph2 *current version:* 4.9.1 *WG (prime / other):* G1 / - *rapporteur:* VACANT,  
*freeze\_meeting:* smg-11b *G: yes U:* MCC: USAI, Paolino

*history (event, available, version, comments):*

smg-11	1994-07-01	4	.	0	.	0
smg-15	1995-07-07	4	.	1	.	0
smg-16	1995-10-20	4	.	2	.	0
smg-17	1996-02-02	4	.	3	.	0
smg-18	1996-04-12	4	.	4	.	0
smg-19	1996-06-28	4	.	5	.	0
smg-21	1997-02-14	4	.	6	.	0
smg-22	1997-06-13	4	.	7	.	0
smg-23	1997-10-17	4	.	8	.	0
smg-25	1998-03-20	4	.	9	.	0
Editorial	1998-10-20	4	.	9	.	1

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*remarks - general:*

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*remarks - this release:* Not progressed to Ph2+ because no regulatory requirement.

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## TS 11.24 GSM Transcoding and Rate Adaptation: Base Station System Equipment Specification

Ph2 *current version:* 4.3.1 *WG (prime / other):* G1 / - *rapporteur:* VACANT,  
*freeze\_meeting:* smg-11b *G: yes U:* MCC: USAI, Paolino

*history (event, available, version, comments):*

smg-14	1995-04-07	4	.	0	.	0
smg-20	1996-10-11	4	.	1	.	0
smg-25	1998-03-20	4	.	2	.	0
smg-27	1998-10-16	4	.	3	.	0
Editorial correction	1998-10-16	4	.	3	.	1

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*remarks - general:*

[get it](#)

*remarks - this release:* #14: 400 #20: 4.1.0 #25: 4.2.0 #27: 4.3.0

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## TS 11.26 Base Station System (BSS) equipment specification; Part 4: Repeaters

Ph2 *current version:* 4.2.2 *WG (prime / other):* G1 / - *rapporteur:* VACANT,  
*freeze\_meeting:* smg-11b *G: yes U:* MCC: USAI, Paolino

*history (event, available, version, comments):*

smg-15	1995-07-07	4	.	0	.	0
smg-17	1996-02-02	4	.	1	.	0
smg-18	1996-04-12	4	.	2	.	0
smg-20	1996-10-11	4	.	2	.	2

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*remarks - general:*

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*remarks - this release:*

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G = required in systems with GERAN access; U = required in systems with UMTS access.



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**TS 12.00 Objectives and Structure of GSM Public Land Mobile Network (PLMN) Management**

Ph2 *current version:* 4.6.0 *WG (prime / other):* S5 / - *rapporteur:* TRUSS, Michael MOTOROLA Ltd  
*freeze\_meeting:* smg-11b *G:* yes *U:* *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

smg-07	1993-06-25	4	.	0	.	0
smg-08	1993-10-01	4	.	1	.	0
smg-11	1994-07-01	4	.	2	.	0
smg-15	1995-07-07	4	.	3	.	0
smg-16	1995-10-20	4	.	4	.	0
smg-17	1996-02-02	4	.	5	.	0
smg-23	1997-10-17	4	.	6	.	0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
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**TS 12.01 Network Management (NM); Part 2: Common aspects of SM/DCS 1800 Network Management**

Ph2 *current version:* 4.4.1 *WG (prime / other):* S5 / NP *rapporteur:* TRUSS, Michael MOTOROLA Ltd  
*freeze\_meeting:* smg-11b *G:* yes *U:* *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

smg-07	1993-06-25	4	.	0	.	0
smg-08	1993-10-01	4	.	1	.	0
smg-10	1994-04-15	4	.	2	.	0
smg-11	1994-07-01	4	.	3	.	0
smg-17	1996-02-02	4	.	4	.	0
Editorial	1996-02-02	4	.	4	.	1

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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**TS 12.02 Subscriber, Mobile Equipment (ME) and Services Data Administration**

Ph2 *current version:* 4.6.1 *WG (prime / other):* S5 / S1 *rapporteur:* TRUSS, Michael MOTOROLA Ltd  
*freeze\_meeting:* smg-11b *G:* yes *U:* *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

smg-07	1993-06-25	4	.	0	.	0
smg-08	1993-10-01	4	.	1	.	0
smg-09	1994-01-21	4	.	2	.	0
smg-11	1994-07-01	4	.	3	.	0
smg-15	1995-07-07	4	.	4	.	0
smg-16	1995-10-20	4	.	5	.	0
smg-17	1996-02-02	4	.	6	.	0
Editorial	1996-02-02	4	.	6	.	1

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 12.03</b>	<b>Security Management</b>					
Ph2	<i>current version:</i> 4.2.1	<i>WG (prime / other):</i> S5 / S1 / NP	<i>rapporteur:</i>	TRUSS, Michael	MOTOROLA Ltd	
	<i>freeze_meeting:</i> smg-11b	<i>G: yes U:</i>	<i>MCC:</i>	ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>					
	smg-11 1994-07-01 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-14 1995-04-07 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-17 1996-02-02 4 . 2 . 0	<a href="#">get it</a>				
	Editorial 1996-02-02 4 . 2 . 1	<a href="#">get it</a>				
<hr/>						
<b>TS 12.04</b>	<b>Performance data measurements</b>					
Ph2	<i>current version:</i> 4.3.1	<i>WG (prime / other):</i> S5 / S1 / NP	<i>rapporteur:</i>	TOCHE, Christian	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> smg-11b	<i>G: yes U:</i>	<i>MCC:</i>	ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>					
	smg-08 1993-10-01 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-11 1994-07-01 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-13 1995-01-27 4 . 2 . 0	<a href="#">get it</a>				
	smg-17 1996-02-02 4 . 3 . 0	<a href="#">get it</a>				
	Editorial correction 1996-02-02 4 . 3 . 1	<a href="#">get it</a>				
<hr/>						
<b>TS 12.05</b>	<b>Subscriber Related Call and Event Data</b>					
Ph2	<i>current version:</i> 4.3.1	<i>WG (prime / other):</i> S5 / S1	<i>rapporteur:</i>	ALEXANDER, Benni	NOKIA Corporation	
	<i>freeze_meeting:</i> smg-11b	<i>G: yes U:</i>	<i>MCC:</i>	ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>					
	smg-08 1993-10-01 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-11 1994-07-01 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-15 1995-07-07 4 . 1 . 1	<a href="#">get it</a>				
	smg-17 1996-02-02 4 . 2 . 0	<a href="#">get it</a>				
	smg-22 1997-06-13 4 . 3 . 0	<a href="#">get it</a>				
	Editorial correction 1997-06-13 4 . 3 . 1	<a href="#">get it</a>				

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 12.06</b>	<b>Network Configuration Management and Administration</b>						
Ph2	<i>current version:</i> 4.1.1	<i>WG (prime / other):</i> S5 / NP	<i>rapporteur:</i> TOVINGER, Thomas	Telefon AB LM Ericsson			
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>						
	smg-11 1994-07-01 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-12 1994-10-07 4 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-17 1996-02-02 4 . 1 . 0		<a href="#">get it</a>				
	Editorial correction 1996-02-02 4 . 1 . 1		<a href="#">get it</a>				
<hr/>							
<b>TS 12.08</b>	<b>Subscriber and Equipment trace</b>						
Ph2	<i>current version:</i> 4.6.1	<i>WG (prime / other):</i> S5 / NP	<i>rapporteur:</i> RONKA, Kari	NOKIA Corporation			
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>						
	smg-12 1994-10-07 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-14 1995-04-07 4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-16 1995-10-20 4 . 2 . 0		<a href="#">get it</a>				
	smg-18 1996-04-12 4 . 3 . 0		<a href="#">get it</a>				
	smg-20 1996-10-11 4 . 4 . 0		<a href="#">get it</a>				
	smg-22 1997-06-13 4 . 5 . 0		<a href="#">get it</a>				
	smg-23 1997-10-17 4 . 6 . 0		<a href="#">get it</a>				
	ETSI publication 2001-10-30 4 . 6 . 1		<a href="#">get it</a>				
<hr/>							
<b>TS 12.11</b>	<b>Fault management of the Base Station System (BSS)</b>						
Ph2	<i>current version:</i> 4.2.1	<i>WG (prime / other):</i> S5 / S1 / GP	<i>rapporteur:</i> TOVINGER, Thomas	Telefon AB LM Ericsson			
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>						
	smg-26 1998-06-26 4 . 2 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
	Editorial correction 1998-06-26 4 . 2 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>			

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 12.20</b>	<b>Base Station System (BSS) Management Information</b>					
Ph2	<i>current version:</i> 4.2.1	<i>WG (prime / other):</i>	S5 / NP	<i>rapporteur:</i>	TRUSS, Michael	MOTOROLA Ltd
	<i>freeze_meeting:</i> smg-11b	<i>G: yes U:</i>		<i>MCC:</i>	ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>					
	smg-09 1994-01-21	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-11 1994-07-01	4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	#9: 4.0.0 #11: 4.1.0 #13: 4.1.1 #17: 4.2.0
	smg-13 1995-01-27	4 . 1 . 1		<a href="#">get it</a>		
	smg-17 1996-02-02	4 . 2 . 0		<a href="#">get it</a>		
	Editorial correction 1996-02-02	4 . 2 . 1		<a href="#">get it</a>		

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<b>TS 12.21</b>	<b>Network Management (NM) procedures and messages on the A-bis interface</b>					
Ph2	<i>current version:</i> 4.6.0	<i>WG (prime / other):</i>	G1 / S5	<i>rapporteur:</i>	TRUSS, Michael	MOTOROLA Ltd
	<i>freeze_meeting:</i> smg-11b	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	smg-06?	4 . 0 . 0			<i>remarks - general:</i>	SP-13: S5->G3 but no change of rapporteur.
	smg-07 1993-06-25	4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-08 1993-10-01	4 . 2 . 0		<a href="#">get it</a>		
	smg-09 1994-01-21	4 . 3 . 0		<a href="#">get it</a>		
	smg-11 1994-07-01	4 . 4 . 0		<a href="#">get it</a>		
	smg-13 1995-01-27	4 . 5 . 0		<a href="#">get it</a>		
	smg-16 1995-10-20	4 . 5 . 2		<a href="#">get it</a>		
	ETSI publication 1998-05-28	4 . 5 . 4		<a href="#">get it</a>		
	smg-21	4 . 6 . 0				

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<b>TS 12.22</b>	<b>Interworking of GSM Network Management (NM) Procedures and Messages at the Base Station Controller (BSC)</b>					
Ph2	<i>current version:</i> 4.1.4	<i>WG (prime / other):</i>	G1 / S5	<i>rapporteur:</i>	YUHAN, Albert	T-Mobile USA Inc.
	<i>freeze_meeting:</i> smg-11b	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	smg-11 1994-07-01	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	SP-13: S5->G3 but no change of rapporteur.
	smg-13 1995-01-27	4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	PE88 1995-07-24	4 . 1 . 1		<a href="#">get it</a>		
	smg-16 1995-10-20	4 . 1 . 2		<a href="#">get it</a>		
	V100 1996-03-25	4 . 1 . 3		<a href="#">get it</a>		
	ETSI publication 1996-09-04	4 . 1 . 4		<a href="#">get it</a>		

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## TR 12.30 ETSI Object Identifier Tree; Mobile Domain O&M

Ph2 *current version:* 4.2.0 *WG (prime / other):* S5 / - *rapporteur:* TRUSS, Michael MOTOROLA Ltd  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*  
smg-10 1994-04-15 4 . 0 . 0 [get it](#) *remarks - general:*  
smg-11 1994-07-01 4 . 1 . 0 [get it](#) *remarks - this release:* .  
smg-15 1995-07-07 4 . 2 . 0 [get it](#)

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Ph2 **TB** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/TB\\_series](http://www.3gpp.org/ftp/Specs/archive/TB_series)

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## TS TBR19 General Attachment Requirements for GSM Mobile Stations

Ph2 *current version:* none *WG (prime / other):* MSG / - *rapporteur:*  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* GUTIERREZ MIGUELEZ, Cesar  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* #14: Ed1 #16: 4.0.0 #17: 4.1.0 #18: 4.2.0 #21: 4.2.1 #22: 4.3.0 #24: 4.4.0 #29: 4.5.0  
(was originally 13.01)

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## TS TBR20 Attachment Requirements for GSM Terminal Equipment (Telephony)

Ph2 *current version:* none *WG (prime / other):* MSG / - *rapporteur:*  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* GUTIERREZ MIGUELEZ, Cesar  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* #14: Ed1 #16: 4.0.0 #17: 4.0.1 Feb97: 4.0.2

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## TS TBR31 General Attachment Requirements for DCS Mobile Stations

Ph2 *current version:* none *WG (prime / other):* MSG / - *rapporteur:*  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* GUTIERREZ MIGUELEZ, Cesar  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* #17: 4.0.0 May99: 4.1.0 (was originally 13.02)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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**TS TBR32 Attachment Requirements for DCS Terminal Equipment (Telephony)**

Ph2 *current version:* none *WG (prime / other):* MSG / - *rapporteur:*  
*freeze\_meeting:* smg-11b G: yes U: MCC: GUTIERREZ MIGUELEZ, Cesar  
*history (event, available, version, comments):*

*remarks - general:*  
*remarks - this release:* #17: 4.0.0

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## Ph1-EXT

Ph1-EXT **03** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

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**TS 03.20ext Security-related Network Functions (Ext)**

Ph1-EXT *current version:* 3.0.0 *WG (prime / other):* S3 / NP / *rapporteur:* NGUYEN NGOC, Sebastien France Telecom  
*freeze\_meeting:* GP  
G: yes U: MCC: POPE, Maurice

*history (event, available, version, comments):*  
smg-07 2003-09-01 3 . 0 . 0 addendum to 03.20 v3.3.2 [get it](#) *remarks - general:*  
*remarks - this release:* #7: 3.0.0

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Ph1-EXT **04** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

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**TS 04.08ext Mobile radio interface layer 3 specification, part 1 (Ext)**

Ph1-EXT *current version:* 3.0.0 *WG (prime / other):* N1 / G2 *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* G: yes U: MCC: JORGENSEN, Per Johan

*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 0 . 0 extension to 04.08 v3.13.0 [get it](#) *remarks - general:*  
*remarks - this release:*

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ACTIVE specs Ph1-EXT 04 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

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Ph1-EXT 08 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/08\\_series](http://www.3gpp.org/ftp/Specs/archive/08_series)

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**TS 08.08ext Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification (DCS 1800)**

Ph1-EXT *current version:* 3.0.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* Skov  
G: yes U: MCC: THOMASEN, Gert  
*history (event, available, version, comments):*  
smg-07 1995-01-01 3 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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**TS 08.58ext Base Station Controller - Base Transceiver Station (BCS-BTS) Interface (Ext)**

Ph1-EXT *current version:* 3.0.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* Skov  
G: yes U: MCC: THOMASEN, Gert  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 0 . 0 based on 08.58 v3.5.0 [get it](#) *remarks - general:*  
*remarks - this release:* #7: 3.0.0

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## Ph1-DCS

Ph1-DCS 02 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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**TS 02.06dcs Types of Mobile Stations (MS) - DCS 1800**

Ph1-DCS *current version:* 3.0.0 *WG (prime / other):* S1 / - *rapporteur:* WATSON, John VODAFONE Group Plc  
*freeze\_meeting:* G: yes U: MCC: CLAYTON, Michael  
*history (event, available, version, comments):*  
1995-01-01 3 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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ACTIVE specs Ph1-DCS 02 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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## TS 02.11dcs Service accessibility (DCS 1800)

Ph1-DCS *current version:* 3.1.0

*freeze\_meeting:*

*history (event, available, version, comments):*

? 1994-05-10 3 . 0 . 0 illegible  
smg-01 1994-05-10 3 . 0 . 1  
ETSI publication 1995-01-01 3 . 1 . 0

*WG (prime / other):* S1 / - *rapporteur:* IBIDUN, Kunle ORANGE PCS LTD  
*G: yes U:* *MCC:* CLAYTON, Michael

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)

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Ph1-DCS 03 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

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## TS 03.12dcs Location Registration Procedures (DCS 1800)

Ph1-DCS *current version:* 3.0.1

*freeze\_meeting:*

*history (event, available, version, comments):*

ETSI publication 2003-08-19 3 . 0 . 1

*WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*G: yes U:* *MCC:* KYMALAINEN, Kimmo

[get it](#) *remarks - general:*  
*remarks - this release:* .

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Ph1-DCS 04 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

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## TS 04.08dcs Mobile radio interface layer 3 specification (DCS 1800)

Ph1-DCS *current version:* 3.1.0

*freeze\_meeting:*

*history (event, available, version, comments):*

ETSI publication 1995-01-01 3 . 1 . 0 extension to 04.08 v3.13.0

*WG (prime / other):* N1 / G2 *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*G: yes U:* *MCC:* JORGENSEN, Per Johan

[get it](#) *remarks - general:*  
*remarks - this release:* .

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Ph1-DCS 05 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/05\\_series](http://www.3gpp.org/ftp/Specs/archive/05_series)

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ACTIVE specs Ph1-DCS 05 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/05\\_series](http://www.3gpp.org/ftp/Specs/archive/05_series)

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## TS 05.01dcs Physical Layer on the Radio Path (General Description) (DCS 1800)

Ph1-DCS *current version:* 3.0.0 *WG (prime / other):* G1 / - *rapporteur:* JOKINEN, Harri NOKIA MOBILE PHONES  
*freeze\_meeting:* G: yes U: *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 0 . 0 based on 05.01 v3.3.2 [get it](#) *remarks - general:*  
*remarks - this release:* .

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## TS 05.05dcs Radio Transmission and Reception (DCS 1800)

Ph1-DCS *current version:* 3.3.0 *WG (prime / other):* G1 / - *rapporteur:* SAMUELSSON, Mats Telefon AB LM Ericsson  
*freeze\_meeting:* G: yes U: *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
smg-07 3 . 2 . 0 *remarks - general:*  
smg-08 1995-01-01 3 . 3 . 0 based on 05.05 v3.16.0 [get it](#) *remarks - this release:*

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## TS 05.08dcs Radio Subsystem Link Control (DCS 1800)

Ph1-DCS *current version:* 3.0.0 *WG (prime / other):* G1 / - *rapporteur:* EL-SAIGH, Amer VODAFONE Group Plc  
*freeze\_meeting:* G: yes U: *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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Ph1-DCS 08 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/08\\_series](http://www.3gpp.org/ftp/Specs/archive/08_series)

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## TS 08.58dcs Base Station Controller - Base Transceiver Station (BCS-BTS) Interface (DCS 1800)

Ph1-DCS *current version:* 3.0.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* G: yes U: *MCC:* Skov THOMASEN, Gert  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 0 . 0 based on 08.58 v3.5.0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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ACTIVE specs Ph1-DCS 09 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/09\\_series](http://www.3gpp.org/ftp/Specs/archive/09_series)

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Ph1-DCS **09** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/09\\_series](http://www.3gpp.org/ftp/Specs/archive/09_series)

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**TS 09.02dcs Mobile Application Part (MAP) Specification (DCS 1800)**

Ph1-DCS *current version:* 3.0.0

*freeze\_meeting:*

*history (event, available, version, comments):*

ETSI publication 1993-03-03 3 . 0 . 0 based on 09.02 v3.8.0

*WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*G: yes U:* *MCC:* KYMALAINEN, Kimmo

[get it](#) *remarks - general:*  
*remarks - this release:*

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**TS 09.10dcs Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling**

Ph1-DCS *current version:* **Procedures and the Mobile Application Part (MAP) (DCS 1800)**

3.0.0 *WG (prime / other):* N4

/-

*rapporteur:*

KYMALAINEN, Kimmo

TeliaSonera AB

*freeze\_meeting:*

*G: yes U:*

*MCC:*

KYMALAINEN, Kimmo

*history (event, available, version, comments):*

ETSI publication 1995-01-01 3 . 0 . 0

[get it](#) *remarks - general:*  
*remarks - this release:* .

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Ph1-DCS **11** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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ACTIVE specs Ph1-DCS 11 .- series  
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## TS 11.10dcs Mobile Station Conformity Specification (DCS 1800)

Ph1-DCS *current version:* 3.23.1

*freeze\_meeting:*

*WG (prime / other):* G3new/ S1 / *rapporteur:* LEGRAND, Walter EADS TELECOM

G3ne  
w /  
NP /  
T2 /  
SCP

*G:* yes *U:* *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

smg-02		3	.	2	.	0	
smg-03		3	.	3	.	0	
smg-04bis		3	.	4	.	0	
smg-05		3	.	5	.	0	
smg-06	1995-06-28	3	.	6	.	0	
smg-07	1996-06-07	3	.	7	.	0	
smg-08	1996-06-07	3	.	8	.	0	
smg-09	1996-06-07	3	.	9	.	0	
smg-10	1996-06-07	3	.	10	.	0	
smg-11	1996-06-07	3	.	11	.	0	
smg-12	1996-06-07	3	.	12	.	0	based on 11.10 v3.19.0
smg-13	1996-06-07	3	.	13	.	0	
ETSI publication	1996-12-01	3	.	23	.	1	

*remarks - general:*

*remarks - this release:*

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## TS 11.11dcs Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface (DCS 1800)

Ph1-DCS *current version:* 3.3.4

*freeze\_meeting:*

*WG (prime / other):* T3 / - *rapporteur:* GUTHERY, Scott B. Mobile-Mind Inc.

*G:* yes *U:* *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*

smg-02		3	.	2	.	0	
smg-04		3	.	3	.	0	
smg-08		3	.	3	.	1	
smg-09		3	.	3	.	2	
smg-11		3	.	3	.	3	
smg-12	1994-02-21	3	.	3	.	4	

*remarks - general:*

*remarks - this release:*

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## TS 11.20dcs GSM DCS 1800 Base Station Specification

Ph1-DCS *current version:* 3.13.0

*freeze\_meeting:*

*history (event, available, version, comments):*

smg-01	3	.	1	.	0	
smg-02	3	.	2	.	0	
smg-03	3	.	3	.	0	
smg-04	3	.	4	.	0	
smg-05	3	.	5	.	0	
smg-06	3	.	6	.	0	
smg-07	3	.	7	.	0	
smg-08	3	.	8	.	0	
smg-09	3	.	9	.	0	
smg-10	3	.	10	.	0	
smg-11	3	.	11	.	0	
smg-12	3	.	12	.	0	
smg-17	1995-01-01	3	.	13	.	0

*WG (prime / other):* GP / NP *rapporteur:* VACANT,  
G: yes U: MCC: USAI, Paolino

*remarks - general:*  
*remarks - this release:*

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## TS 11.40dcs DCS 1800 System Simulator conformity specification

Ph1-DCS *current version:* 3.3.0

*freeze\_meeting:*

*history (event, available, version, comments):*

smg-04	3	.	2	.	0	
smg-11	1995-11-13	3	.	3	.	0

*WG (prime / other):* G3new/ - *rapporteur:*  
G: yes U: MCC: CLAYTON, Michael

*remarks - general:*  
*remarks - this release:* #4: 3.2.0 #11: 3.3.0

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# Ph1

Ph1

01 .- series

Server location: [http://www.3gpp.org/ftp/Specs/archive/01\\_series](http://www.3gpp.org/ftp/Specs/archive/01_series)

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ACTIVE specs Ph1 01 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/01\\_series](http://www.3gpp.org/ftp/Specs/archive/01_series)

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**TS 01.01 Technical Specifications and Technical Reports for a GERAN-based 3GPP system**  
Ph1 *current version:* 3.1.0 *WG (prime / other):* SP / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
*freeze\_meeting:* G: yes U: *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
SP-20 2003-06-25 3 . 0 . 0 Created from 41.103. [get it](#) *remarks - general:* post-SP-19: title changed from "GSM Release 1999 Specifications" to cater for  
SP-21 2003-09-26 3 . 1 . 0 [get it](#) *remarks - this release:* . backwards extension to earlier releases.

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**TR 01.04 Abbreviations and acronyms**  
Ph1 *current version:* 3.0.1 *WG (prime / other):* GP / - *rapporteur:* CLAYTON, Michael EMCOM Ltd  
*freeze\_meeting:* gsm-25b G: yes U: *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
gsm-29 2 . 0 . 3 *remarks - general:*  
smg-12 1994-10-07 3 . 0 . 0 [get it](#) *remarks - this release:* .  
ETSI publication 1995-01-01 3 . 0 . 1 [get it](#)

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Ph1 **02** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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**TS 02.01 Principles of telecommunication services supported by a GSM Public Land Mobile Network (PLMN)**  
Ph1 *current version:* 3.2.0 *WG (prime / other):* S1 / - *rapporteur:* KOKKOLA, Tommi NOKIA Corporation  
*freeze\_meeting:* gsm-25b G: yes U: *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
smg-18 1996-04-10 3 . 0 . 0 [get it](#) *remarks - general:*  
ETSI publication 1995-01-01 3 . 0 . 1 [get it](#) *remarks - this release:* .  
PT12 release 1992-02-15 3 . 2 . 0 [get it](#)

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**TS 02.02 Bearer Services (BS) Supported by a GSM Public Land Mobile Network (PLMN)**  
Ph1 *current version:* 3.2.0 *WG (prime / other):* S1 / - *rapporteur:* CARPENTER, Paul Research In Motion Limited  
*freeze\_meeting:* gsm-25b G: yes U: *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
CEPT GSM doc 1990-01-15 3 . 1 . 1 [get it](#) *remarks - general:*  
CEPT GSM doc 1991-07-15 3 . 2 . 0 [get it](#) *remarks - this release:* .

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<b>TS 02.03</b>	<b>Teleservices Supported by a GSM Public Land Mobile Network (PLMN)</b>								
Ph1	<i>current version:</i> 3.4.1	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	KOKKOLA, Tommi	NOKIA Corporation			
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	CEPT GSM doc 1991-01-03						<a href="#">get it</a>	<i>remarks - general:</i>	
	edito 1998-07-22						<a href="#">get it</a>	<i>remarks - this release:</i>	.
<hr/>									
<b>TS 02.04</b>	<b>General on Supplementary Services</b>								
Ph1	<i>current version:</i> 3.7.1	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	CARPENTER, Paul	Research In Motion Limited			
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	CEPT GSM doc 2001-08-31						<a href="#">get it</a>	<i>remarks - general:</i>	
	- 1998-07-24						<a href="#">get it</a>	<i>remarks - this release:</i>	.
	CEPT GSM doc 1991-01-03						<a href="#">get it</a>		
<hr/>									
<b>TS 02.06</b>	<b>Types of Mobile Stations (MS)</b>								
Ph1	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	WATSON, John	VODAFONE Group Plc			
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	2001-08-31						<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI publication 1995-01-01						<a href="#">get it</a>	<i>remarks - this release:</i>	.
<hr/>									
<b>TS 02.07</b>	<b>Mobile Station (MS) Features</b>								
Ph1	<i>current version:</i> 3.4.1	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	WATSON, John	VODAFONE Group Plc			
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	- 1994-05-10						<a href="#">get it</a>	<i>remarks - general:</i>	
	- 1994-05-10						<a href="#">get it</a>	<i>remarks - this release:</i>	.
	ETSI publication 1995-01-01						<a href="#">get it</a>		
<hr/>									
<b>TS 02.09</b>	<b>Security aspects</b>								
Ph1	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i>	S3 / S1 / NP	<i>rapporteur:</i>		CHRISTOFFERSSON, Per	TeliaSonera AB		
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>		<i>MCC:</i>	POPE, Maurice				
	<i>history (event, available, version, comments):</i>								
	ETSI publication 1995-01-01						<a href="#">get it</a>	<i>remarks - general:</i>	
								<i>remarks - this release:</i>	.

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<b>TS 02.11</b>	<b>Service accessibility</b>					
Ph1	<i>current version:</i> 3.7.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> IBIDUN, Kunle	ORANGE PCS LTD		
	<i>freeze_meeting:</i> gsm-25b	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	gsm-29 2001-08-30 3 . 5 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-01 2001-08-30 3 . 6 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	ETSI publication 1995-01-01 3 . 7 . 0		<a href="#">get it</a>			
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<b>TS 02.16</b>	<b>International Mobile Station Equipment Identities (IMEI)</b>					
Ph1	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> KOKKOLA, Tommi	NOKIA Corporation		
	<i>freeze_meeting:</i> gsm-25b	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01 3 . 0 . 1		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i> .		
<hr/>						
<b>TS 02.17</b>	<b>Subscriber Identity Module (SIM); Functional characteristics</b>					
Ph1	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i> T3 / S1	<i>rapporteur:</i> HOOKER, Philip	ORANGE PCS LTD		
	<i>freeze_meeting:</i> gsm-25b	G: yes U:	<i>MCC:</i> JURISIC, Andrijana			
	<i>history (event, available, version, comments):</i>					
	.. 2001-08-30 3 . 1 . 2		<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI publication 1995-01-01 3 . 2 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .		
<hr/>						
<b>TS 02.20</b>	<b>Collection charges</b>					
Ph1	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> gsm-25b	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	06/05/1992: 1997-10-09 3 . 0 . 1		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i>		
<hr/>						
<b>TS 02.30</b>	<b>Man-machine Interface (MMI) of the Mobile Station (MS)</b>					
Ph1	<i>current version:</i> 3.9.0	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> JEAL, David	VODAFONE Group Plc		
	<i>freeze_meeting:</i> gsm-25b	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01 3 . 9 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i> .		

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<b>TS 02.40</b>	<b>Procedures for Call Progress Indications</b>					
Ph1	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i> S1 / NP	<i>rapporteur:</i> DEOL, Amar	Nortel Networks (USA)		
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01 3 . 2 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>	.		
<hr/>						
<b>TS 02.82</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 1</b>					
Ph1	<i>current version:</i> 3.6.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> IBIDUN, Kunle	ORANGE PCS LTD		
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01 3 . 6 . 1	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>	.		
<hr/>						
<b>TS 02.88</b>	<b>Call Barring (CB) Supplementary Services; Stage 1</b>					
Ph1	<i>current version:</i> 3.6.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> ACHTER, Johannes	T-Mobile AUSTRIA GmbH		
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01 3 . 6 . 1	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>	.		

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<b>TS 03.01</b>	<b>Network Functions</b>					
Ph1	<i>current version:</i> 3.1.1	<i>WG (prime / other):</i> S2 / NP	<i>rapporteur:</i> GAASVIK, Per-Ola	COMVIQ GSM AB		
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>	<i>MCC:</i> YOON, Sang-Ui			
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01 3 . 1 . 1	<a href="#">get it</a>	<i>remarks - general:</i> SMG3->SA2 @ TSG#7			
			<i>remarks - this release:</i>	.		

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<b>TS 03.02</b>	<b>Network Architecture</b>					
Ph1	<i>current version:</i> 3.1.4	<i>WG (prime / other):</i> S2 / NP / T2	<i>rapporteur:</i>	MILINSKI, AlexanderSIEMENS AG		
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>	<i>MCC:</i>	YOON, Sang-Ui		
	<i>history (event, available, version, comments):</i>	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication 1995-01-01 3 . 1 . 4		<i>remarks - this release:</i>	.		
<hr/>						
<b>TS 03.03</b>	<b>Numbering, Addressing and Identification</b>					
Ph1	<i>current version:</i> 3.6.0	<i>WG (prime / other):</i> N4 / T2	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE LTD		
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>	<i>MCC:</i>	KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication 1995-01-01 3 . 6 . 0		<i>remarks - this release:</i>	.		
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<b>TS 03.04</b>	<b>Signalling Requirements Relating to Routing of Calls to Mobile Subscribers</b>					
Ph1	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i> N4 / SPAN / T2	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB		
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>	<i>MCC:</i>	KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication 1995-01-01 3 . 1 . 0		<i>remarks - this release:</i>	.		
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<b>TR 03.05</b>	<b>Technical performance objectives</b>					
Ph1	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i> NP / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat		
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>	<i>MCC:</i>	BOSWARTHICK, David		
	<i>history (event, available, version, comments):</i>	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication 1995-01-01 3 . 2 . 0		<i>remarks - this release:</i>	.		
<hr/>						
<b>TS 03.07</b>	<b>Restoration Procedures</b>					
Ph1	<i>current version:</i> 3.2.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David	VODAFONE LTD		
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>	<i>MCC:</i>	KYMALAINEN, Kimmo		
	<i>history (event, available, version, comments):</i>	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication 1995-01-01 3 . 2 . 1		<i>remarks - this release:</i>	.		

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<b>TS 03.08</b>	<b>Organization of Subscriber Data</b>								
Ph1	<i>current version:</i> 3.7.0		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> BAUER, Rolf	ALCATEL SEL AG				
	<i>freeze_meeting:</i> gsm-25b		G: yes U:	<i>MCC:</i>	KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>								
	ETSI publication 1995-01-01 3 . 7 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>				
<hr/>									
<b>TS 03.09</b>	<b>Handover Procedures</b>								
Ph1	<i>current version:</i> 3.2.1		<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> FARHOUMAND, Rouzbeh	Ericsson Incorporated				
	<i>freeze_meeting:</i> gsm-25b		G: yes U:	<i>MCC:</i>	JORGENSEN, Per Johan				
	<i>history (event, available, version, comments):</i>								
	ETSI publication 1995-01-01 3 . 2 . 1			<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>				
<hr/>									
<b>TS 03.10</b>	<b>GSM Public Land Mobile Network (PLMN) Connection Types</b>								
Ph1	<i>current version:</i> 3.3.0		<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat				
	<i>freeze_meeting:</i> gsm-25b		G: yes U:	<i>MCC:</i>	BOSWARTHICK, David				
	<i>history (event, available, version, comments):</i>								
	gsm4 2003-05-06 2 . 0 . 0 Jan 1988			<a href="#">get it</a>	<i>remarks - general:</i>				
	gsm4 2003-05-06 3 . 0 . 0 Feb 1988			<a href="#">get it</a>	<i>remarks - this release:</i>				
	gsm4 2003-05-06 3 . 1 . 0 Jul 1988			<a href="#">get it</a>					
	gsm4 2003-05-06 3 . 2 . 0 Nov 1988			<a href="#">get it</a>					
	ETSI publication 1995-01-01 3 . 3 . 0			<a href="#">get it</a>					
<hr/>									
<b>TS 03.11</b>	<b>Technical Realization of Supplementary Services - General Aspects</b>								
Ph1	<i>current version:</i> 3.1.1		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> HABERMANN, Steffen	T-MOBILE DEUTSCHLAND				
	<i>freeze_meeting:</i> gsm-25b		G: yes U:	<i>MCC:</i>	KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>								
	ETSI publication 1995-01-01 3 . 1 . 1			<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>				
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<b>TS 03.12</b>	<b>Location Registration Procedures</b>								
Ph1	<i>current version:</i> 3.3.0		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB				
	<i>freeze_meeting:</i> gsm-25b		G: yes U:	<i>MCC:</i>	KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>								
	ETSI publication 1995-01-01 3 . 3 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>				

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<b>TS 03.13</b>	<b>Discontinuous Reception (DRX) in the GSM System</b>					
Ph1	<i>current version:</i> 3.0.2	<i>WG (prime / other):</i>	G1 / -	<i>rapporteur:</i>	USAI, Paolino	TELECOM ITALIA S.p.A.
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01 3 . 0 . 2			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	
<hr/>						
<b>TS 03.14</b>	<b>Support of Dual Tone Multi-Frequency Signalling (DTMF) via the GSM System</b>					
Ph1	<i>current version:</i> 3.0.2	<i>WG (prime / other):</i>	N1 / -	<i>rapporteur:</i>	ZAUS, Robert	SIEMENS AG
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>		<i>MCC:</i>	JORGENSEN, Per Johan	
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01 3 . 0 . 2			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	
<hr/>						
<b>TS 03.20</b>	<b>Security-related Network Functions</b>					
Ph1	<i>current version:</i> 3.3.2	<i>WG (prime / other):</i>	S3 / NP / GP	<i>rapporteur:</i>	NGUYEN NGOC, Sebastien	France Telecom
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>		<i>MCC:</i>	POPE, Maurice	
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01 3 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI publication 1995-01-01 3 . 3 . 2			<a href="#">get it</a>	<i>remarks - this release:</i>	
<hr/>						
<b>TS 03.40</b>	<b>Technical realization of the Short Message Service (SMS)</b>					
Ph1	<i>current version:</i> 3.7.0	<i>WG (prime / other):</i>	T2 / -	<i>rapporteur:</i>	HARRIS, Ian	Research In Motion Limited
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>		<i>MCC:</i>	RODERMUND, Friedhelm	
	<i>history (event, available, version, comments):</i>					
	gsm4 2003-05-06 2 . 1 . 0 Sep 1988			<a href="#">get it</a>	<i>remarks - general:</i>	2003-12-03: Note that this spec also contains stage 3.
	gsm4 2003-05-06 2 . 1 . 1 Nov 1988			<a href="#">get it</a>	<i>remarks - this release:</i>	
	gsm4 2003-05-06 3 . 0 . 0 Apr 1989			<a href="#">get it</a>		
	gsm4 2003-05-06 3 . 4 . 0 Jan 1990			<a href="#">get it</a>		
	gsm4 2003-05-06 3 . 4 . 1 Oct 1990			<a href="#">get it</a>		
	gsm4 2003-05-06 3 . 5 . 0 Feb 1992			<a href="#">get it</a>		
	smg-08 1997-09-05 3 . 6 . 0			<a href="#">get it</a>		
	smg-09 1995-01-01 3 . 7 . 0			<a href="#">get it</a>		

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<b>TS 03.41</b>	<b>Technical Realization of Short Message Service Cell Broadcast (SMSCB)</b>								
Ph1	<i>current version:</i> 3.4.0	<i>WG (prime / other):</i>	T2 / -	<i>rapporteur:</i>	HARRIS, Ian	Research In Motion Limited			
	<i>freeze_meeting:</i> gsm-25b	G: yes U:		MCC:	RODERMUND, Friedhelm				
	<i>history (event, available, version, comments):</i>								
	gsm4	2003-05-06	1 . 1 . 1	Sep 1988	<a href="#">get it</a>	<i>remarks - general:</i>			
	gsm4	2003-05-06	1 . 2 . 1	Nov 1988	<a href="#">get it</a>	<i>remarks - this release:</i>	.		
	gsm4	2003-05-06	2 . 0 . 0	Jan 1988 - rejected GSM-17b	<a href="#">get it</a>				
	gsm4	2003-05-06	3 . 2 . 0	Jan 1990	<a href="#">get it</a>				
	gsm4	2003-05-06	3 . 2 . 1	Oct 1990	<a href="#">get it</a>				
	gsm4	2003-05-06	3 . 3 . 0	Jan 1991	<a href="#">get it</a>				
	ETSI publication	1995-01-01	3 . 4 . 0		<a href="#">get it</a>				
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<b>TR 03.43</b>	<b>Support of Videotex</b>								
Ph1	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i>	T2 / -	<i>rapporteur:</i>	RODERMUND, Friedhelm	Vodafone D2 GmbH			
	<i>freeze_meeting:</i> gsm-25b	G: yes U:		MCC:	RODERMUND, Friedhelm				
	<i>history (event, available, version, comments):</i>								
	gsm4	2003-05-06	1 . 0 . 1	Jun 1988	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication	1995-01-01	3 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>	.		
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<b>TR 03.44</b>	<b>Support of Teletex in a GSM Public Land Mobile Network (PLMN)</b>								
Ph1	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i>	T2 / -	<i>rapporteur:</i>	RODERMUND, Friedhelm	Vodafone D2 GmbH			
	<i>freeze_meeting:</i> gsm-25b	G: yes U:		MCC:	RODERMUND, Friedhelm				
	<i>history (event, available, version, comments):</i>								
	gsm4	2003-05-06	1 . 0 . 0	Sep 1988	<a href="#">get it</a>	<i>remarks - general:</i>			
	gsm4	2003-05-06	1 . 1 . 0	Nov 1988	<a href="#">get it</a>	<i>remarks - this release:</i>	.		
	gsm4	2003-05-06	2 . 0 . 0		<a href="#">get it</a>				
	ETSI publication	1995-01-01	3 . 0 . 1		<a href="#">get it</a>				
<hr/>									
<b>TS 03.45</b>	<b>Technical Realization of Facsimile Group 3 Service - transparent</b>								
Ph1	<i>current version:</i> 3.3.0	<i>WG (prime / other):</i>	N3 / -	<i>rapporteur:</i>	BOSWARTHICK, David	ETSI Secretariat			
	<i>freeze_meeting:</i> gsm-25b	G: yes U:		MCC:	BOSWARTHICK, David				
	<i>history (event, available, version, comments):</i>								
	gsm	2003-05-06	1 . 0 . 0	Sep 1988	<a href="#">get it</a>	<i>remarks - general:</i>			
	gsm	2003-05-06	2 . 0 . 0	Jan 1989	<a href="#">get it</a>	<i>remarks - this release:</i>	.		
	smg-05		3 . 2 . 0						
	ETSI publication	1995-01-01	3 . 3 . 0	exists in PDF only	<a href="#">get it</a>				

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<b>TS 03.46</b>	<b>Technical Realization of Facsimile Group 3 Service - non transparent</b>					
Ph1	<i>current version:</i> 3.2.1	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat		
	<i>freeze_meeting:</i> gsm-25b	G: yes U:	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01 3 . 2 . 1				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>
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<b>TS 03.48</b>	<b>Security mechanisms for SIM application toolkit; Stage 2</b>					
Ph1	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> BARNES, Nigel	MOTOROLA Ltd		
	<i>freeze_meeting:</i> gsm-25b	G: yes U:	<i>MCC:</i> JURISIC, Andrijana			
	<i>history (event, available, version, comments):</i>					
	1997-10-09 3 . 0 . 1				<a href="#">get it</a>	<i>remarks - general:</i> SMG9->T3@#31 <i>remarks - this release:</i> .
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<b>TS 03.50</b>	<b>Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System</b>					
Ph1	<i>current version:</i> 3.4.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> gsm-25b	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01 3 . 4 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #4: 3.2.2 #8: 3.3.0 #11: 3.4.0
<hr/>						
<b>TS 03.70</b>	<b>Routing of Calls to/from Public Data Networks (PDN)</b>					
Ph1	<i>current version:</i> 3.0.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat		
	<i>freeze_meeting:</i> gsm-25b	G: yes U:	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version, comments):</i>					
	gsm4 2003-05-06 1 . 0 . 0 Jul 1988				<a href="#">get it</a>	<i>remarks - general:</i> N3: "no R99 needed".
	gsm4 2003-05-06 2 . 0 . 0 Sep 1988				<a href="#">get it</a>	<i>remarks - this release:</i> .
	ETSI publication 1995-01-01 3 . 0 . 0				<a href="#">get it</a>	
<hr/>						
<b>TS 03.82</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 2</b>					
Ph1	<i>current version:</i> 3.2.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB		
	<i>freeze_meeting:</i> gsm-25b	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01 3 . 2 . 1				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .

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**TS 03.88 Call Barring (CB) supplementary services; Stage 2**  
Ph1 *current version:* 3.2.1 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* gsm-25b *G: yes U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 2 . 1 [get it](#) *remarks - general:*  
*remarks - this release:* .

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Ph1 **04 .- series** Server location: [http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

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**TS 04.01 Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles**  
Ph1 *current version:* 3.0.1 *WG (prime / other):* N1 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*freeze\_meeting:* gsm-25b *G: yes U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 0 . 1 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 04.02 GSM Public Land Mobile Network (PLMN) Access Reference Configuration**  
Ph1 *current version:* 3.0.2 *WG (prime / other):* N1 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*freeze\_meeting:* gsm-25b *G: yes U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 0 . 2 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 04.03 Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities**  
Ph1 *current version:* 3.0.3 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*freeze\_meeting:* gsm-25b *G: yes U:* *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 0 . 3 [get it](#) *remarks - general:*  
*remarks - this release:* .

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<b>TS 04.04</b>	<b>Layer 1 - General Requirements</b>					
Ph1	<i>current version:</i> 3.3.4	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ISAACS, Ken	SIEMENS AG		
	<i>freeze_meeting:</i> gsm-25b	G: yes U:	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01 3 . 0 . 0				<i>remarks - general:</i>	
					<i>remarks - this release:</i> .	
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<b>TS 04.05</b>	<b>Data Link (DL) Layer General Aspects</b>					
Ph1	<i>current version:</i> 3.1.5	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S		
	<i>freeze_meeting:</i> gsm-25b	G: yes U:	<i>MCC:</i> THOMASEN, Gert	Skov		
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01 3 . 1 . 5				<i>remarks - general:</i>	
					<i>remarks - this release:</i> .	
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<b>TS 04.06</b>	<b>Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification</b>					
Ph1	<i>current version:</i> 3.9.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S		
	<i>freeze_meeting:</i> gsm-25b	G: yes U:	<i>MCC:</i> THOMASEN, Gert	Skov		
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01 3 . 9 . 0				<i>remarks - general:</i>	
					<i>remarks - this release:</i> .	
					<a href="#">get it</a>	
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<b>TS 04.07</b>	<b>Mobile Radio Interface Signalling Layer 3 - General Aspects</b>					
Ph1	<i>current version:</i> 3.3.3	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> HOWELL, Andrew	MOTOROLA Ltd		
	<i>freeze_meeting:</i> gsm-25b	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01 3 . 3 . 3				<i>remarks - general:</i>	
					<i>remarks - this release:</i> .	
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<b>TS 04.08</b>	<b>Mobile radio interface layer 3 specification</b>					
Ph1	<i>current version:</i> 3.14.0	<i>WG (prime / other):</i> N1 / G2	<i>rapporteur:</i> HOWELL, Andrew	MOTOROLA Ltd		
	<i>freeze_meeting:</i> gsm-25b	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01 3 . 13 . 0				<i>remarks - general:</i> 04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert Thomassen	
	ETSI publication 1997-09-15 3 . 14 . 0				<i>remarks - this release:</i> . (even numbered CRs!)	
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<b>TS 04.10</b>	<b>Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects</b>								
Ph1	<i>current version:</i> 3.2.3	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S					
	<i>freeze_meeting:</i> gsm-25b		Skov						
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i>	KYMALAINEN, Kimmo					
	<i>history (event, available, version, comments):</i>								
	ETSI publication 1995-01-01 3 . 2 . 3		<a href="#">get it</a>	<i>remarks - general:</i>					
				<i>remarks - this release:</i>					
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<b>TS 04.11</b>	<b>Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface</b>								
Ph1	<i>current version:</i> 3.3.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> NOBUYUKI, Uda	NTT COMWARE Corporation					
	<i>freeze_meeting:</i> gsm-25b		<i>MCC:</i>	JORGENSEN, Per Johan					
	<i>history (event, available, version, comments):</i>								
	ETSI publication 1995-01-01 3 . 3 . 0		<a href="#">get it</a>	<i>remarks - general:</i>					
				<i>remarks - this release:</i>	#5:3.3.0				
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<b>TS 04.12</b>	<b>Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface</b>								
Ph1	<i>current version:</i> 3.2.1	<i>WG (prime / other):</i> G2 / T2	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S					
	<i>freeze_meeting:</i> gsm-25b		Skov						
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i>	THOMASEN, Gert					
	<i>history (event, available, version, comments):</i>								
	ETSI publication 1995-01-01 3 . 2 . 1		<a href="#">get it</a>	<i>remarks - general:</i>					
				<i>remarks - this release:</i>					
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<b>TS 04.21</b>	<b>Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface</b>								
Ph1	<i>current version:</i> 3.4.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> RÄSÄNEN, Juha	NOKIA Corporation					
	<i>freeze_meeting:</i> gsm-25b		<i>MCC:</i>	BOSWARTHICK, David					
	<i>history (event, available, version, comments):</i>								
	gsm4 2003-05-06 2 . 0 . 0 Feb 1988		<a href="#">get it</a>	<i>remarks - general:</i>					
	gsm4 2003-05-06 3 . 0 . 0 Feb 1988		<a href="#">get it</a>	<i>remarks - this release:</i>					
	gsm4 2003-05-06 3 . 1 . 0 Jun 1988		<a href="#">get it</a>						
	ETSI publication 1995-01-01 3 . 4 . 0		<a href="#">get it</a>						
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<b>TS 04.22</b>	<b>Radio Link Protocol (RLP) for data and telematic services on the Mobile Station - Base Station System (MS - BSS) interface and the Base Station System - Mobile-services</b>								
Ph1	<i>current version:</i> <b>Switching Centre (BSS - MSC) interface</b>	3.7.0	<i>WG (prime / other):</i>	N3	/-	<i>rapporteur:</i>	KLEHN, Norbert		
	SIEMENS AG								
	<i>freeze_meeting:</i> gsm-25b		<i>G:</i> yes <i>U:</i>	<i>MCC:</i>		BOSWARTHICK, David			
	<i>history (event, available, version, comments):</i>								
	ETSI publication 1995-01-01 3 . 7 . 0		<a href="#">get it</a>	<i>remarks - general:</i>					
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**TS 04.80 Mobile Radio Interface Layer 3 - Supplementary Services Specification Formats and Coding**  
Ph1 *current version:* 3.2.0 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* gsm-25b *G: yes U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 2 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 04.82 Call Forwarding (CF) Supplementary Services; Stage 3**  
Ph1 *current version:* 3.1.3 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* gsm-25b *G: yes U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 1 . 3 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 04.88 Call Barring (CB) Supplementary Services; Stage 3**  
Ph1 *current version:* 3.1.3 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* gsm-25b *G: yes U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 1 . 3 [get it](#) *remarks - general:*  
*remarks - this release:* .

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Ph1 05 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/05\\_series](http://www.3gpp.org/ftp/Specs/archive/05_series)

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**TS 05.01 Physical Layer on the Radio Path (General Description)**  
Ph1 *current version:* 3.3.2 *WG (prime / other):* G1 / - *rapporteur:* JOKINEN, Harri NOKIA MOBILE PHONES  
*freeze\_meeting:* gsm-25b *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 3 . 2 [get it](#) *remarks - general:*  
*remarks - this release:* .

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 05.02</b>	<b>Multiplexing and Multiple Access on the Radio Path</b>					
Ph1	<i>current version:</i> 3.8.0	<i>WG (prime / other):</i>	G1 / -	<i>rapporteur:</i>	SÉBIRE, Benoist	NOKIA Corporation
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	smg-15					<i>remarks - general:</i>
	smg-16 1995-01-01					<i>remarks - this release:</i>
						<a href="#">get it</a>
<hr/>						
<b>TS 05.03</b>	<b>Channel coding</b>					
Ph1	<i>current version:</i> 3.6.1	<i>WG (prime / other):</i>	G1 / -	<i>rapporteur:</i>	SÉBIRE, Benoist	NOKIA Corporation
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01					<i>remarks - general:</i>
						<i>remarks - this release:</i> #12: 3.6.1
						<a href="#">get it</a>
<hr/>						
<b>TS 05.04</b>	<b>Modulation</b>					
Ph1	<i>current version:</i> 3.1.2	<i>WG (prime / other):</i>	G1 / -	<i>rapporteur:</i>	SÉBIRE, Benoist	NOKIA Corporation
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01					<i>remarks - general:</i>
						<i>remarks - this release:</i> .
						<a href="#">get it</a>
<hr/>						
<b>TS 05.05</b>	<b>Radio Transmission and Reception</b>					
Ph1	<i>current version:</i> 3.16.0	<i>WG (prime / other):</i>	G1 / -	<i>rapporteur:</i>	SAMUELSSON, Mats	Telefon AB LM Ericsson
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	smg-04					<i>remarks - general:</i>
	smg-06b					<i>remarks - this release:</i>
	ETSI publication 1995-01-01					<a href="#">get it</a>
<hr/>						
<b>TS 05.08</b>	<b>Radio Subsystem Link Control</b>					
Ph1	<i>current version:</i> 3.8.0	<i>WG (prime / other):</i>	G1 / -	<i>rapporteur:</i>	EL-SAIGH, Amer	VODAFONE Group Plc
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01					<i>remarks - general:</i>
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**TS 05.10 Radio subsystem synchronization**  
Ph1 *current version:* 3.5.1 *WG (prime / other):* G1 / - *rapporteur:* JOKINEN, Harri NOKIA MOBILE PHONES  
*freeze\_meeting:* gsm-25b *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
smg-04 1995-01-01 3 . 5 . 1 [get it](#) *remarks - general:*  
*remarks - this release:*

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Ph1 **06** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/06\\_series](http://www.3gpp.org/ftp/Specs/archive/06_series)

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**TS 06.01 Full Rate Speech Processing Functions**  
Ph1 *current version:* 3.0.0 *WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*freeze\_meeting:* gsm-25b *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 06.10 Full Rate Speech Transcoding**  
Ph1 *current version:* 3.2.0 *WG (prime / other):* S4 / - *rapporteur:* LORENZ, Dietmar PHILIPS Semiconductors  
*freeze\_meeting:* gsm-25b *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 2 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 06.11 Substitution and Muting of Lost Frames for Full Rate Speech Channels**  
Ph1 *current version:* 3.0.1 *WG (prime / other):* S4 / - *rapporteur:* NAVARRO, William NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* gsm-25b *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 0 . 1 [get it](#) *remarks - general:*  
*remarks - this release:* .

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<b>TS 06.12</b>	<b>Comfort Noise Aspects for Full Rate Speech Traffic Channels</b>					
Ph1	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	SERENO, Daniele	TELECOM ITALIA S.p.A.
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01 3 . 0 . 1			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	

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<b>TS 06.31</b>	<b>Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels</b>					
Ph1	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	USAI, Paolino	TELECOM ITALIA S.p.A.
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01 3 . 1 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	

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<b>TS 06.32</b>	<b>Voice Activity Detection (VAD)</b>					
Ph1	<i>current version:</i> 3.0.0	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	BARRETT, Paul	Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01 3 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	

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Ph1 07 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/07\\_series](http://www.3gpp.org/ftp/Specs/archive/07_series)

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<b>TS 07.01</b>	<b>General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)</b>					
Ph1	<i>current version:</i> 3.14.0	<i>WG (prime / other):</i>	N3 / -	<i>rapporteur:</i>	HUSLENDE, Ragnar	Telefon AB LM Ericsson
	<i>freeze_meeting:</i> gsm-25b	<i>G: yes U:</i>		<i>MCC:</i>	BOSWARTHICK, David	
	<i>history (event, available, version, comments):</i>					
	gsm-20 3 . 2 . 0				<i>remarks - general:</i>	
	ETSI publication 1995-01-01 3 . 14 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	

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ACTIVE specs Ph1 07 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/07\\_series](http://www.3gpp.org/ftp/Specs/archive/07_series)

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## TS 07.02 Terminal Adaptation Functions (TAF) for Services Using Asynchronous Bearer Capabilities

Ph1 *current version:* 3.8.0 *WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*freeze\_meeting:* gsm-25b *G:* yes *U:* *MCC:* BOSWARTHICK, David  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 8 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #2: 3.8.0

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## TS 07.03 Terminal Adaptation Functions (TAF) for Services Using Synchronous Bearer Capabilities

Ph1 *current version:* 3.4.0 *WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*freeze\_meeting:* gsm-25b *G:* yes *U:* *MCC:* BOSWARTHICK, David  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 4 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #5: 3.4.0

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Ph1 08 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/08\\_series](http://www.3gpp.org/ftp/Specs/archive/08_series)

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## TS 08.01 General Aspects on the BSS-MSC Interface

Ph1 *current version:* 3.0.1 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* gsm-25b *G:* yes *U:* *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 0 . 1 [get it](#) *remarks - general:*  
*remarks - this release:* .

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## TS 08.02 Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles

Ph1 *current version:* 3.3.1 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* gsm-25b *G:* yes *U:* *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 3 . 1 [get it](#) *remarks - general:*  
*remarks - this release:* .

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ACTIVE specs Ph1 08 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/08\\_series](http://www.3gpp.org/ftp/Specs/archive/08_series)

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<b>TS 08.04</b>	<b>Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification</b>				
Ph1	<i>current version:</i> 3.0.3 <i>freeze_meeting:</i> gsm-25b	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
		G: yes U:	MCC:	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i> ETSI publication 1995-01-01 3 . 0 . 3	<a href="#">get it</a>	<i>remarks - general:</i>		<i>remarks - this release:</i> .
<hr/>					
<b>TS 08.06</b>	<b>Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface</b>				
Ph1	<i>current version:</i> 3.5.2 <i>freeze_meeting:</i> gsm-25b	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
		G: yes U:	MCC:	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i> ETSI publication 1995-01-01 3 . 5 . 2	<a href="#">get it</a>	<i>remarks - general:</i>		<i>remarks - this release:</i> .
<hr/>					
<b>TS 08.08</b>	<b>Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification</b>				
Ph1	<i>current version:</i> 3.10.1 <i>freeze_meeting:</i> gsm-25b	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
		G: yes U:	MCC:	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i> ETSI publication 1995-01-01 3 . 0 . 0 ETSI publication 1995-01-01 3 . 10 . 1	<a href="#">get it</a>	<i>remarks - general:</i>		<i>remarks - this release:</i> .
<hr/>					
<b>TS 08.20</b>	<b>Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface</b>				
Ph1	<i>current version:</i> 3.1.2 <i>freeze_meeting:</i> gsm-25b	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> RÄSÄNEN, Juha	NOKIA Corporation	
		G: yes U:	MCC:	BOSWARTHICK, David	
	<i>history (event, available, version, comments):</i> ETSI publication 1995-01-01 3 . 1 . 2	<a href="#">get it</a>	<i>remarks - general:</i>		<i>remarks - this release:</i> .
<hr/>					
<b>TS 08.51</b>	<b>Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects</b>				
Ph1	<i>current version:</i> 3.0.2 <i>freeze_meeting:</i> gsm-25b	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
		G: yes U:	MCC:	THOMASEN, Gert	
	<i>history (event, available, version, comments):</i> ETSI publication 1995-01-01 3 . 0 . 2	<a href="#">get it</a>	<i>remarks - general:</i>		<i>remarks - this release:</i> .

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**TS 08.52 Base Station Controller - Base Transceiver Station (BSC-BTS) Interface - Interface Principles**  
Ph1 *current version:* 3.0.2 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* gsm-25b G: yes U: *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 0 . 2 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 08.54 BSC-BTS Layer 1; Structure of Physical Circuits**  
Ph1 *current version:* 3.0.1 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* gsm-25b G: yes U: *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 0 . 1 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 08.56 BSC-BTS Layer 2; Specification**  
Ph1 *current version:* 3.1.1 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* gsm-25b G: yes U: *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 1 . 1 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 08.58 Base Station Controller - Base Transceiver Station (BSC-BTS) Interface Layer 3 Specification**  
Ph1 *current version:* 3.6.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* gsm-25b G: yes U: *MCC:* THOMASEN, Gert  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 0 . 0 [get it](#) *remarks - general:*  
smg-10 1995-01-01 3 . 6 . 0 [get it](#) *remarks - this release:* #10: 3.6.0

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**TS 08.59 BSC-BTS O&M Signalling Transport**  
Ph1 *current version:* 3.1.0 *WG (prime / other):* G1 / - *rapporteur:* VACANT,  
*freeze\_meeting:* gsm-25b G: yes U: *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 1 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 08.60 In-band control of remote transcoders and rate adaptors for Enhanced Full Rate (EFR) and full rate traffic channels**  
Ph1 *current version:* 3.3.1 *WG (prime / other):* G1 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* gsm-25b G: yes U: *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 3 . 1 [get it](#) *remarks - general:* 2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.  
*remarks - this release:* .

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Ph1 09 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/09\\_series](http://www.3gpp.org/ftp/Specs/archive/09_series)

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**TR 09.01 General Network Interworking Scenarios**  
Ph1 *current version:* 3.0.1 *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*freeze\_meeting:* gsm-25b G: yes U: *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 0 . 1 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 09.02 Mobile Application Part (MAP) Specification**  
Ph1 *current version:* 3.11.0 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* gsm-25b G: yes U: *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 0 . 0 [get it](#) *remarks - general:* CN->N4 Apr00 (JMM)  
ETSI publication 1991-02-11 3 . 8 . 0 [get it](#) *remarks - this release:*  
smg-10 1994-06-14 3 . 9 . 0 [get it](#)  
1994-10-14 3 . 10 . 0 [get it](#)  
ETSI publication 1995-01-01 3 . 11 . 0 [get it](#)

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**TS 09.03 Signalling Requirements on Interworking between the Intergrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) and the Public Land Mobile**  
Ph1 *current version:* Network (PLMN) 3.0.1 *WG (prime / other):* N3 / - *rapporteur:* BOSWARTHICK, David  
ETSI Secretariat G: yes U: *MCC:* BOSWARTHICK, David  
*freeze\_meeting:* gsm-25b  
*history (event, available, version, comments):*  
ETSI publication 1995-01-01 3 . 0 . 1 [get it](#) *remarks - general:* N3: "no R99 needed".  
*remarks - this release:* .

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<b>TS 09.04</b>	<b>Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)</b>								
Ph1	<i>current version:</i> 3.0.1		<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat				
	<i>freeze_meeting:</i> gsm-25b		G: yes U:	<i>MCC:</i> BOSWARTHICK, David					
	<i>history (event, available, version, comments):</i>								
	ETSI publication 1995-01-01 3 . 0 . 1					<a href="#">get it</a>	<i>remarks - general:</i> N3: "no R99 needed".		<i>remarks - this release:</i> .
<hr/>									
<b>TS 09.05</b>	<b>Interworking between the PLMN and the PSPDN for PAD Access</b>								
Ph1	<i>current version:</i> 3.2.2		<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat				
	<i>freeze_meeting:</i> gsm-25b		G: yes U:	<i>MCC:</i> BOSWARTHICK, David					
	<i>history (event, available, version, comments):</i>								
	ETSI publication 1995-01-01 3 . 2 . 2					<a href="#">get it</a>	<i>remarks - general:</i> N3: "no R99 needed".		<i>remarks - this release:</i> .
<hr/>									
<b>TS 09.07</b>	<b>General Requirements on Interworking between the Public Land Mobile Network (PLMN) and the Intergrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)</b>								
Ph1	<i>current version:</i> Network (PSTN)	3.10.0	<i>WG (prime / other):</i> N3	/-	<i>rapporteur:</i> KLEHN, Norbert				
SIEMENS AG									
	<i>freeze_meeting:</i> gsm-25b		G: yes U:	<i>MCC:</i> BOSWARTHICK, David					
	<i>history (event, available, version, comments):</i>								
	ETSI publication 1995-01-01 3 . 10 . 0					<a href="#">get it</a>	<i>remarks - general:</i>		<i>remarks - this release:</i> #5: 3.8.0 #9: 3.9.0 #14: 3.10.0
<hr/>									
<b>TS 09.10</b>	<b>Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)</b>								
Ph1	<i>current version:</i> Procedures and the Mobile Application Part (MAP)	3.0.2	<i>WG (prime / other):</i> N4	/-	<i>rapporteur:</i> KYMALAINEN, Kimmo				
TeliaSonera AB									
	<i>freeze_meeting:</i> gsm-25b		G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo					
	<i>history (event, available, version, comments):</i>								
	ETSI publication 1995-01-01 3 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI publication 1995-01-01 3 . 0 . 2					<a href="#">get it</a>	<i>remarks - this release:</i> .		
<hr/>									
<b>TS 09.11</b>	<b>Signalling Interworking for Supplementary Services</b>								
Ph1	<i>current version:</i> 3.0.1		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software				
	<i>freeze_meeting:</i> gsm-25b		G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo					
	<i>history (event, available, version, comments):</i>								
	ETSI publication 1995-01-01 3 . 0 . 1					<a href="#">get it</a>	<i>remarks - general:</i>		<i>remarks - this release:</i> .

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

# 3GPP specification status

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ACTIVE specs Ph1 11 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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Ph1 **11** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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**TS 11.10 Mobile Station Conformity Specification**

Ph1  
current version: 3.23.1  
freeze\_meeting: gsm-25b

WG (prime / other): G3new/ S1 / rapporteur: LEGRAND, Walter EADS TELECOM

G3ne  
w /  
NP /  
T2 /  
SCP

G: yes U: MCC: CLAYTON, Michael

*history (event, available, version, comments):*

First complete draft	1992-01-01	1	.	0	.	0
gsm-27		3	.	1	.	0
gsm-28		3	.	2	.	0
gsm-29		3	.	3	.	0
gsm-30		3	.	4	.	0
gsm-31		3	.	5	.	0
gsm-32		3	.	6	.	0
smg-01		3	.	7	.	0
smg-02		3	.	8	.	0
smg-03		3	.	9	.	0
smg-04bis		3	.	10	.	0
smg-05		3	.	11	.	0
smg-06		3	.	12	.	0
smg-07		3	.	13	.	0
smg-08 ?	1996-01-01	3	.	14	.	0
smg-08	1996-06-07	3	.	15	.	0
smg-09	1996-06-07	3	.	16	.	0
smg-10	1996-09-02	3	.	17	.	0
smg-11	1996-09-02	3	.	18	.	0
smg-12	1966-09-02	3	.	19	.	0
smg-13	1996-06-28	3	.	20	.	0
smg-15		3	.	21	.	0
smg-16	1996-01-01	3	.	22	.	0
smg-20	1996-10-16	3	.	23	.	0
ETSI publication	1996-12-30	3	.	23	.	1

[get it](#) remarks - general:  
remarks - this release:

[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
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ACTIVE specs Ph1 11 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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<b>TS 11.11</b>	<b>Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface</b>					
Ph1	<i>current version:</i> 3.16.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> GUTHERY, Scott B.	Mobile-Mind Inc.		
	<i>freeze_meeting:</i> gsm-25b	G: yes U:	<i>MCC:</i> JURISIC, Andrijana			
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01 3 . 3 . 3		<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI publication 1995-01-01 3 . 16 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
<hr/>						
<b>TS 11.30</b>	<b>Mobile Services Switching Centre</b>					
Ph1	<i>current version:</i> 3.2.1	<i>WG (prime / other):</i> GP / -	<i>rapporteur:</i> VACANT,			
	<i>freeze_meeting:</i> gsm-25b	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01 3 . 2 . 1		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i>		
<hr/>						
<b>TS 11.31</b>	<b>Home Location Register Specification</b>					
Ph1	<i>current version:</i> 3.2.1	<i>WG (prime / other):</i> GP / -	<i>rapporteur:</i>			
	<i>freeze_meeting:</i> gsm-25b	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01 3 . 2 . 1		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i>		
<hr/>						
<b>TS 11.32</b>	<b>Visitor Location Register Specification</b>					
Ph1	<i>current version:</i> 3.2.1	<i>WG (prime / other):</i> GP / -	<i>rapporteur:</i>			
	<i>freeze_meeting:</i> gsm-25b	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1995-01-01 3 . 2 . 1		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i>		
<hr/>						
<b>TS 11.40</b>	<b>GSM System Simulator specification</b>					
Ph1	<i>current version:</i> 3.7.0	<i>WG (prime / other):</i> G3new/ -	<i>rapporteur:</i>			
	<i>freeze_meeting:</i> gsm-25b	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	ETSI publication 1996-01-01 3 . 3 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-02 3 . 6 . 0			<i>remarks - this release:</i> #2: 3.6.0 #11: 3.7.0		
	smg-11 1996-01-01 3 . 7 . 0		<a href="#">get it</a>			

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ACTIVE specs Ph1 12 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

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Ph1 **12** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

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**TS 12.10 Maintenance Provisions for Operational Integrity of MSs**

Ph1 *current version:* none  
*freeze\_meeting:* gsm-25b  
*history (event, available, version, comments):*

*WG (prime / other):* S5 / *rapporteur:* TRUSS, Michael MOTOROLA Ltd  
*G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*remarks - general:*  
*remarks - this release:* .

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Ph1 **TB** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/TB\\_series](http://www.3gpp.org/ftp/Specs/archive/TB_series)

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**TS TBR 5 General Attachment Requirements for GSM Mobile Stations**

Ph1 *current version:* none  
*freeze\_meeting:* gsm-25b  
*history (event, available, version, comments):*

*WG (prime / other):* MSG / - *rapporteur:* FREEMAN, David MOTOROLA  
*G:* yes *U:* *MCC:* GUTIERREZ MIGUELEZ, Cesar

*remarks - general:*  
*remarks - this release:* #4: 1.0.0 #4b: 3.0.0 #8: Ed1 #12: Ed2 (v3.1.0)

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**TS TBR 9 Attachment Requirements for GSM Terminal Equipment (Telephony)**

Ph1 *current version:* none  
*freeze\_meeting:* gsm-25b  
*history (event, available, version, comments):*

*WG (prime / other):* MSG / - *rapporteur:* FREEMAN, David MOTOROLA  
*G:* yes *U:* *MCC:* GUTIERREZ MIGUELEZ, Cesar

*remarks - general:*  
*remarks - this release:* #4: 1.0.0 #4b: 3.0.0 #8: Ed1 #12: Ed2

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ACTIVE specs 22 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

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## 22 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

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**TS 22.167** (reserved for: Internet Protocol (IP) based IP Multimedia Subsystem (IMS) emergency sessions; Stage 1)  
current version: none WG (prime / other): S1 / rapporteur: ZARRI, Michele T-Mobile (UK) Ltd  
freeze\_meeting: G: U: yes MCC: CLAYTON, Michael  
history (event, available, version, comments):  
remarks - general:  
remarks - this release:

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## 23 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/23\\_series](http://www.3gpp.org/ftp/Specs/archive/23_series)

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**TS 23.167** (reserved for: Internet Protocol (IP) based IP Multimedia Subsystem (IMS) emergency sessions; Stage 2)  
current version: none WG (prime / other): S2 / rapporteur: N, A Indicate persons who left Company and wait for new  
freeze\_meeting: G: U: yes MCC: YOON, Sang-Ui One  
history (event, available, version, comments):  
remarks - general:  
remarks - this release:

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## 32 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/32\\_series](http://www.3gpp.org/ftp/Specs/archive/32_series)

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**TS 32.434** Telecommunications management; Performance measurement collection Integration Reference Point (IRP); Abstract Syntax Notation number 1 (ASN.1) file format  
current version: none WG (prime / other): S5 / - rapporteur: LI, Dan NORTEL NETWORKS (EUROPE)  
freeze\_meeting: G: U: yes MCC: ZOICAS, Adrian  
history (event, available, version, comments):  
remarks - general:  
remarks - this release:

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ACTIVE specs 32 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/32\\_series](http://www.3gpp.org/ftp/Specs/archive/32_series)

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## WITHDRA specs

<?>

<?> 34 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/34\\_series](http://www.3gpp.org/ftp/Specs/archive/34_series)

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<b>TR 34.801</b>	<b>(reserved for T1 RF group)</b>				
<?>	current version: none	WG (prime / other):	T1 /	rapporteur:	N, A
	freeze_meeting:				Indicate persons who left Company and wait for new One
	history (event, available, version, comments):	G:	U: yes	MCC:	SULTAN, Alain
				remarks - general:	2002-09-16: -> 34.901.
				remarks - this release:	.

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## Rel-7

Rel-7 25 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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<b>TR 25.997</b>	<b>(provisionally reserved for: Remote control of electrical tilting antennas) - TP-20: number not used, became 25.802.</b>				
Rel-7	current version: none	WG (prime / other):	R3 / -	rapporteur:	HAUSER, Andreas Vodafone D2 GmbH
	freeze_meeting:	G:	U: yes	MCC:	CALDENHOVEN, Juergen
	history (event, available, version, comments):			remarks - general:	RP-19: WI = RP-030193. 2003-04-14: WG Sec reports that this may need to be a
				remarks - this release:	RP-19: Completion target: RP-22. Thus assume service will be implemented in Rel-7. xx.8xx number instead. RP-20: confirmed, so this one stopped

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## Rel-6

Rel-6 **21** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/21\\_series](http://www.3gpp.org/ftp/Specs/archive/21_series)

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<b>TS 21.104</b>	<b>Technical Specifications and Technical Reports for a UTRAN-based 3GPP system (Rel-6)</b>					
Rel-6	<i>current version:</i> none	<i>WG (prime / other):</i> SP / -	<i>rapporteur:</i> MEREDITH, John M	ETSI Secretariat		
	<i>freeze_meeting:</i>	<i>G:</i> U: yes	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version, comments):</i>					
			<i>remarks - general:</i>	2003-05: Title changed from "3rd Generation mobile system Release 6 specifications".		
			<i>remarks - this release:</i>	SP-20: Superseded by 21.101 Rel-4. SP-20: Superseded by 21.101 Rel-4.		

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Rel-6 **22** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

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<b>TS 22.234</b>	<b>Requirements on 3GPP system to Wireless Local Area Network (WLAN) interworking</b>					
Rel-6	<i>current version:</i> none	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> BOOTE, Michael	Lucent Technologies Network Systems UK		
	<i>freeze_meeting:</i>	<i>G:</i> U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	SP-23 2004-03-23 2 . 0 . 0 SP-040100	<a href="#">get it</a>	<i>remarks - general:</i>	2003-10-31: Spec number formally allocated		
	SP-23 2004-03-24 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	SP-22: target for approval = SP-25.		

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<b>TR 22.976</b>	<b>Study on PS domain services and capabilities</b>					
Rel-6	<i>current version:</i> none	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CATALDO, Mark	Openwave Systems (N.I.) Ltd		
	<i>freeze_meeting:</i>	<i>G:</i> U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	SP-08 2000-06-28 2 . 0 . 0 SP-19: txverred from Rel-5	<a href="#">get it</a>	<i>remarks - general:</i>	2003-04-07 Clayton: scrapped.		
			<i>remarks - this release:</i>	2003-04-07 Clayton: scrapped.		

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Rel-6 **23** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/23\\_series](http://www.3gpp.org/ftp/Specs/archive/23_series)



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WITHDRAWN specs Rel-6 23 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/23\\_series](http://www.3gpp.org/ftp/Specs/archive/23_series)

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<b>TS 23.195</b>	<b>Provision of User Equipment Specific Behaviour Information (UESBI) to network entities</b>				
Rel-6	<i>current version:</i> none	<i>WG (prime / other):</i> S2 /	<i>rapporteur:</i> PUDNEY, Chris	VODAFONE Group Plc	
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> YOON, Sang-Ui		
	<i>history (event, available, version, comments):</i>		<i>remarks - general:</i> Created as a result of 23.895.		
			<i>remarks - this release:</i> SP-20: is in fact a Rel-5 doc.		
<hr/>					
<b>TS 23.209</b>	<b>Policy control over Gq interface</b>				
Rel-6	<i>current version:</i> none	<i>WG (prime / other):</i> S2 / N3	<i>rapporteur:</i> SILLANPÄÄ, Anna	NOKIA Corporation	
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i> YOON, Sang-Ui		
	<i>history (event, available, version, comments):</i>		<i>remarks - general:</i> WI = IMS Phase 2 (UID 32021). 2004-02-20: responsibility N3 -> S2. 2004-04: S2		
			<i>remarks - this release:</i> . chairman indicates that there is no such spec (see 29.209).		
<hr/>					
<b>TS 23.340</b>	<b>(reserved for:" IP Multimedia Subsystem (IMS) messaging; Stage 2")</b>				
Rel-6	<i>current version:</i> none	<i>WG (prime / other):</i> S2 /	<i>rapporteur:</i> N, A	Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i> YOON, Sang-Ui		
	<i>history (event, available, version, comments):</i>		<i>remarks - general:</i>		
			<i>remarks - this release:</i> .		

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WITHDRAWN specs Rel-6 23 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/23\\_series](http://www.3gpp.org/ftp/Specs/archive/23_series)

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<b>TR 23.825</b>	<b>Overall architecture aspects of IP flow based bearer level charging; Stage 2</b>								
Rel-6	<i>current version:</i> none	<i>WG (prime / other):</i>	S2 / -	<i>rapporteur:</i>	WILLIAMS, Brian	Telefon AB LM Ericsson			
	<i>freeze_meeting:</i>	G:	U: yes	<i>MCC:</i>	YOON, Sang-Ui				
	<i>history (event, available, version, comments):</i>								
	draft	0 . 1 . 0							<i>remarks - general:</i> WI UID = 32030. SP-23: withdrawn, on bringing of 23.125 under change control.
	S2-29	0 . 2 . 0							<i>remarks - this release:</i> .
	S2-30 2003-04-08	0 . 3 . 0						<a href="#">get it</a>	
	S2-31 2003-07-17	0 . 4 . 0						<a href="#">get it</a>	
	draft	0 . 4 . 1							
	S2-32 2003-06-02	0 . 5 . 0						<a href="#">get it</a>	
	S2-33	0 . 6 . 0							
	draft 2003-07-24	0 . 6 . 1						<a href="#">get it</a>	
	S2-34 2003-09-01	0 . 7 . 0						<a href="#">get it</a>	
	SP-21 2003-09-11	1 . 0 . 0	SP-030389					<a href="#">get it</a>	
	S2-35 2003-11-07	1 . 1 . 0						<a href="#">get it</a>	
	S2-36 2004-01-03	1 . 2 . 0						<a href="#">get it</a>	
	S2-36 2004-01-03	1 . 3 . 0						<a href="#">get it</a>	
	S2-37 2004-01-27	1 . 4 . 0						<a href="#">get it</a>	

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<b>TR 23.876</b>	<b>Push architecture</b>								
Rel-6	<i>current version:</i> none	<i>WG (prime / other):</i>	S2 / -	<i>rapporteur:</i>	YOON, Sang-Ui	KT Freetel Co., Ltd.			
	<i>freeze_meeting:</i>	G:	U: yes	<i>MCC:</i>	YOON, Sang-Ui				
	<i>history (event, available, version, comments):</i>								
	S2-29	0 . 0 . 0							<i>remarks - general:</i> 2003-02-04: -> 23.976
	S2-29 2003-02-03	0 . 0 . 1	2003-02-04: -> 23.976					<a href="#">get it</a>	<i>remarks - this release:</i> 2003-02-04: -> 23.976
	S2-31	0 . 1 . 0							
	S2-32	0 . 2 . 0							
	S2-33	0 . 3 . 0							
	S2-34	0 . 4 . 0							
	S2-35 2003-11-06	0 . 5 . 0						<a href="#">get it</a>	

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<b>TR 23.878</b>	<b>Impacts of speech-enabled services on IMS, PS and CS domains</b>								
Rel-6	<i>current version:</i> none	<i>WG (prime / other):</i>	S2 /	<i>rapporteur:</i>	XUAN, Qing	VODAFONE Group Plc			
	<i>freeze_meeting:</i>	G:	U: yes	<i>MCC:</i>	YOON, Sang-Ui				
	<i>history (event, available, version, comments):</i>								
									<i>remarks - general:</i> SP-31: WI = SP-030539 2003-10-13: Turns out to be same document as 23.877.
									<i>remarks - this release:</i> 2003-10-13: Turns out to be same document as 23.877.

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<b>TR 23.881</b>	<b>Interworking aspects and migration scenarios for IPv4-based IP Multimedia Subsystem (IMS) implementations</b>		
Rel-6	current version: none	WG (prime / other): S2 /	rporteur: MILINSKI, Alexander SIEMENS AG
	freeze_meeting:	G: U: yes	MCC: YOON, Sang-Ui
	history (event, available, version, comments):		
	draft 2003-10-14	0 . 0 . 0	<a href="#">get it</a> remarks - general: SP-21: WI = SP-030385. 2004-04-08: Rapporteur indicates wish to convert to 23.981.
	S2-35 2003-11-03	0 . 1 . 0	<a href="#">get it</a> remarks - this release: . Agreed at S2-39.
	S2-36 2004-01-03	0 . 2 . 0	<a href="#">get it</a>
	S2-37 2004-01-26	0 . 3 . 0	<a href="#">get it</a>
	S2-38	0 . 4 . 0	
	SP-23 2004-03-22	1 . 0 . 0	SP-040048. Next appearance is as <a href="#">get it</a> 23.981.

---

<b>TR 23.964</b>	<b>Commonality and interoperability between IP Multimedia System (IMS) core networks</b>		
Rel-6	current version: none	WG (prime / other): S2 / -	rporteur: BERTENYI, Balazs NOKIA Corporation
	freeze_meeting:	G: U: yes	MCC: YOON, Sang-Ui
	history (event, available, version, comments):		
	S2-29 2003-02-03	0 . 3 . 1	Renumbered to 23.864 <a href="#">get it</a> remarks - general: 2003-02-03: Renumbered to 23.864. remarks - this release: 2003-02-03: Renumbered to 23.864.

---

Rel-6 25 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs Rel-6 25 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TR 25.802 Remote control of electrically tilting antennas

Rel-6 *current version: none*  
*freeze\_meeting:*  
*history (event, available, version, comments):*

R3-36		0	.	1	.	0	
R3-37		0	.	1	.	1	
R3-37		0	.	2	.	0	
R3-38	2003-11-07	0	.	2	.	1	
R3-39		0	.	3	.	0	
R3-39	2003-11-24	0	.	3	.	1	R3-031851
R3-40		0	.	3	.	2	
R3-41		0	.	4	.	0	
R3-41b		0	.	4	.	1	
R3-41b		0	.	4	.	2	
R3-41b	2004-04-05	0	.	4	.	3	R3-040670

*WG (prime / other):* R3 / - *rapporteur:* HAUSER, Andreas Vodafone D2 GmbH  
*G:* *U:* yes *MCC:* CALDENHOVEN, Juergen

*remarks - general:* RP-19: WI = RP-030193. WI UID = 23010  
*remarks - this release:* RP-19: Completion target: RP-22. Thus assume service will be implemented in Rel-7. RP-21: In fact, the work item is in Rel-6, so for now, move it to Rel-6. (No draft visible yet.)

[get it](#)

[get it](#)

[get it](#)

---

## TR 25.893 Radio access bearer scenarios

Rel-6 *current version: none*  
*freeze\_meeting:*  
*history (event, available, version, comments):*

*WG (prime / other):* R2 / - *rapporteur:* MIKOLA, Juha NOKIA Corporation  
*G:* *U:* yes *MCC:* ARZELIER, Claude

*remarks - general:* 2003-05-26: to be stopped.  
*remarks - this release:* RP-20: to Rel-6 (but expected to be stopped in 2003-09 and contents moved to 25.993). 2003-09-10 R2 proposes to abandon. RP-21: stopped

---

## TR 25.998 UTRAN recommendation and UE allowance for non-essential corrections of a feature made only in a later release

Rel-6 *current version: none*  
*freeze\_meeting:*  
*history (event, available, version, comments):*

rapporteur's first draft		0	.	0	.	0	
second draft with MCC revisions agreed by rapporteur	2004-02-06	0	.	0	.	1	R2-040403, RP-040080

*WG (prime / other):* R2 / *rapporteur:* FAUCONNIER, Denis NORTEL NETWORKS (EUROPE)  
*G:* *U:* yes *MCC:* ARZELIER, Claude

*remarks - general:* This is NOT the same as 25.995! Title to be reviewed. RP-23: RAN rejected the notion  
*remarks - this release:* . of this TR, so stopped.

[get it](#)

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Rel-6 **27** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/27\\_series](http://www.3gpp.org/ftp/Specs/archive/27_series)

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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WITHDRAWN specs Rel-6 27 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/27\\_series](http://www.3gpp.org/ftp/Specs/archive/27_series)

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**TS 27.150 (Reserved for: "Telecommunication management; User Equipment Management (UEM); UEM protocol specification; Stage 3")**  
Rel-6 *current version:* none *WG (prime / other):* T2 / - *rapporteur:* MUDGE, John VODAFONE Group Plc  
*freeze\_meeting:* G: U: yes *MCC:* RODERMUND, Friedhelm  
*history (event, available, version, comments):*  
*remarks - general:* Justification: see SP-020608. Stages 1 & 2: 32.150. Provisional  
*remarks - this release:* provisional TP-18: rapporteur not confirmed.

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Rel-6 **29** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/29\\_series](http://www.3gpp.org/ftp/Specs/archive/29_series)

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**TS 29.199 Open Service Access (OSA); Web Services Application Programming Interface (API) for OSA; Parlay X services**  
Rel-6 *current version:* none *WG (prime / other):* N5 / *rapporteur:* VAN RIJSSEN, Erwin Telefon AB LM Ericsson  
*freeze\_meeting:* G: U: yes *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*  
draft 0 . 0 . 1 *remarks - general:* SP-24: split into parts.  
draft 0 . 0 . 2 *remarks - this release:* .  
draft 0 . 0 . 3  
NP-22 2003-11-14 1 . 0 . 0 NP-030552 [get it](#)  
draft 2004-01-12 1 . 0 . 1 Added W3C WSDL representation of the [get it](#)  
APIs

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Rel-6 **32** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/32\\_series](http://www.3gpp.org/ftp/Specs/archive/32_series)

---

**TS 32.108 Telecommunication management; Subscriber and equipment trace**  
Rel-6 *current version:* none *WG (prime / other):* S5 / NP *rapporteur:* RONKA, Kari NOKIA Corporation  
*freeze\_meeting:* G: U: yes *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*  
*remarks - general:* 2002-04-29: source Christian Toche - will not be published. Replace with 32.411,  
*remarks - this release:* SP-05: Left overs from Rel-5. 2002-04-29: source Christian Toche - will not be 32..42x  
and 52.008.  
published. Replace with 32.411, 32..42x and 52.008.

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs Rel-6 32 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/32\\_series](http://www.3gpp.org/ftp/Specs/archive/32_series)

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**TS 32.350 Telecommunication management; Communication Surveillance (CS) requirements**  
Rel-6 *current version:* none *WG (prime / other):* S5 / - *rapporteur:* LI, Yewen China Mobile Communications Corporation (CMCC)  
*freeze\_meeting:* G: yes U: yes *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*  
SP-21 2003-09-29 1 . 0 . 0 SP-030422. 2003-12-05: S5 states that [get it](#) *remarks - general:* WI = OAM-NIM (UID 35014) 2003-12-05: S5 states that all contents moved to 32.351.  
*remarks - this release:* 2003-12-05: S5 states that all contents moved to 32.351.

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Rel-6 **33** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/33\\_series](http://www.3gpp.org/ftp/Specs/archive/33_series)

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**TS 33.109 Bootstrapping of application security using AKA and support for subscriber certificates; System description**  
Rel-6 *current version:* none *WG (prime / other):* S3 / - *rapporteur:* HAUKKA, Tao NOKIA Corporation  
*freeze\_meeting:* G: U: yes *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
S3-27 0 . 1 . 0 *remarks - general:* WI = SEC1-SC (UID 33002)  
S3-28 0 . 2 . 0 *remarks - this release:* S3-30: to be split into four separate documents.  
S3-29 2003-09-11 0 . 3 . 0 [get it](#)

---

**TR 33.910 3G Security; Network Domain Security / Authentication Framework (NDS/AF); Feasibility Study to support NDS/IP evolution**  
Rel-6 *current version:* none *WG (prime / other):* S3 / *rapporteur:* N, A Indicate persons who left Company and wait for new One  
*freeze\_meeting:* G: U: yes *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
*remarks - general:* WI = NDS Authentication Framework (approved SP-16). 2002-07-22: decided not to  
*remarks - this release:* . publish, so -> 33.810.

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs Rel-6 33 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/33\\_series](http://www.3gpp.org/ftp/Specs/archive/33_series)

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<b>TR 33.917</b>	<b>(Universal) Subscriber Interface Module (U)SIM security reuse by peripheral devices on local interfaces</b>								
Rel-6	<i>current version:</i> none			<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> YAQUB, Raziq				Toshiba Corporation, Digital Media Network Company
	<i>freeze_meeting:</i>			G: yes U: yes	<i>MCC:</i> POPE, Maurice				
	<i>history (event, available, version, comments):</i>								
	draft		0 . 0 . 1						<i>remarks - general:</i> Original WID = SP-030341. 2003-11-26: S3 Secretary indicates that the TR is to be
	TOC enhanced,		0 . 0 . 2						<i>remarks - this release:</i> Original WID = SP-030341 2003-11-26: S3 Secretary indicates that the TR is to be
internal, so number changed to 33.817.	Requirements & threat analysis added								internal, so number changed to 33.817.
More expansion on Issues 1, 4 and 5. Reference Architecture added. Also other updates.			0 . 4 . 0						
Further comments incorporated and also some editorial improvements			0 . 5 . 0						
Some comments accommodated, and editorial changes, clean up done	2003-07-25		0 . 6 . 0	TR number awarded.				<a href="#">get it</a>	
draft	2003-10-13		0 . 7 . 0					<a href="#">get it</a>	
	2003-11-03		0 . 7 . 3					<a href="#">get it</a>	

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Rel-6 **41** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/41\\_series](http://www.3gpp.org/ftp/Specs/archive/41_series)

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<b>TS 41.104</b>	<b>Technical Specifications and Technical Reports for a GERAN-based 3GPP system (Rel-6)</b>								
Rel-6	<i>current version:</i> none			<i>WG (prime / other):</i> SP / -	<i>rapporteur:</i> MEREDITH, John M				ETSI Secretariat
	<i>freeze_meeting:</i>			G: yes U:	<i>MCC:</i> POPE, Maurice				
	<i>history (event, available, version, comments):</i>								
									<i>remarks - general:</i> post-SP-19: title changed to align with 01.01 SP-20: Superseded by 41.101 Rel-6.
									<i>remarks - this release:</i> SP-20: Superseded by 41.101 Rel-6.

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs Rel-6 41 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/41\\_series](http://www.3gpp.org/ftp/Specs/archive/41_series)

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**TR 41.811 Uplink - Time Difference Of Arrival (U-TDOA) in GSM and GPRS**

Rel-6 *current version:* none *WG (prime / other):* G1 / *rapporteur:* GROSS, Robert TruePosition Inc.  
*freeze\_meeting:* *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*

*remarks - general:* Renumbered to 45.811.  
*remarks - this release:* Renumbered to 45.811.

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Rel-6 **42** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/42\\_series](http://www.3gpp.org/ftp/Specs/archive/42_series)

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**TS 42.019 Subscriber Identity Module Application Programming Interface (SIM API); Stage 1**

Rel-6 *current version:* none *WG (prime / other):* T3 / - *rapporteur:* DIETRICH, Christian Axalto S.A.  
*freeze\_meeting:* *G: yes U:* *MCC:* JURISIC, Andrijana  
*history (event, available, version, comments):*

*remarks - general:* TP-17: From Rel-6, transferred to ETSI TS 102 240.  
*remarks - this release:* TP-17: Technical contents transferred to ETSI SCP. Replaced by ETSI TS 102 240.

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Rel-6 **45** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/45\\_series](http://www.3gpp.org/ftp/Specs/archive/45_series)

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**TS 45.202 reserved for radio spec "Flexible layer 1" based on 45.902**

Rel-6 *current version:* none *WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist NOKIA Corporation  
*freeze\_meeting:* *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*

*remarks - general:*  
*remarks - this release:* .

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Rel-6 **49** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/49\\_series](http://www.3gpp.org/ftp/Specs/archive/49_series)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.



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WITHDRAWN specs Rel-6 49 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/49\\_series](http://www.3gpp.org/ftp/Specs/archive/49_series)

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## TR 49.994 Recommended infrastructure measures to overcome specific Mobile Station (MS) faults

Rel-6 *current version:* none *WG (prime / other):* N1 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S Skov  
*freeze\_meeting:*

*G:* yes *U:* *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*

*remarks - general:* 2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest  
*remarks - this release:* . Release version. 2002-05-07 (Hietalahti): Scrapped in favour of 29.994 handling both "GSM" and "UMTS" problems.

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## Rel-5

Rel-5 21 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/21\\_series](http://www.3gpp.org/ftp/Specs/archive/21_series)

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## TS 21.103 3rd Generation mobile system Release 5 specifications

Rel-5 *current version:* none *WG (prime / other):* SP / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
*freeze\_meeting:* SP-16 *G:* *U:* yes *MCC:* POPE, Maurice

*history (event, available, version, comments):*

SP-12		0	.	0	.	0	SP-010275	
SP-12	2001-07-05	0	.	1	.	0	SP-010381	
SP-13	2001-10-01	1	.	0	.	0	SP-010418	
SP-15	2002-03-19	1	.	1	.	0	SP-020095	
SP-15	2002-03-19	1	.	2	.	0	SP-020202	
SP-16		2	.	0	.	0		
SP-16		2	.	1	.	0	SP-020274	
SP-16		2	.	2	.	0	SP-020401	
SP-16	2002-06-19	5	.	0	.	0	SP-020411	
SP-17	2002-09-18	5	.	1	.	0		
SP-18	2003-01-03	5	.	2	.	0		
SP-19	2003-03-27	5	.	3	.	0		
SP-20	2003-06-25	5	.	4	.	0	withdrawn -> 21.101	

[get it](#)  
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*remarks - general:* SP-20: Superseded by 21.101 Rel-5.  
*remarks - this release:* SP-20: Superseded by 21.101 Rel-5.

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs Rel-5 21 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/21\\_series](http://www.3gpp.org/ftp/Specs/archive/21_series)

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**TR 21.877 Radio optimization impacts on the Packet Switched (PS) domain architecture**  
Rel-5 *current version:* none *WG (prime / other):* S2 / - *rapporteur:* LAUTIER, Laurence NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* SP-16 *G:* *U:* yes *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

draft	2002-04-15	0	.	2	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
draft	2002-08-14	0	.	4	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> SP-20: -> Rel-6.
draft	2002-09-17	0	.	5	.	0		<a href="#">get it</a>	
draft	2002-12-16	0	.	6	.	0		<a href="#">get it</a>	
draft	2003-02-24	0	.	7	.	0	-> Rel-6	<a href="#">get it</a>	

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Rel-5 **22** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

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**TS 22.141 Presence service; Stage 1**  
Rel-5 *current version:* none *WG (prime / other):* S1 / - *rapporteur:* WOHLERT, Randolph SBC Communications Inc.  
*freeze\_meeting:* SP-15 *G:* *U:* yes *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

SP-12	2001-06-27	1	.	0	.	0	SP-010364 (replaces SP-010265)	<a href="#">get it</a>	<i>remarks - general:</i>
SP-13	2001-10-01	2	.	0	.	0	SP-010444	<a href="#">get it</a>	<i>remarks - this release:</i> SP-16: moved to Rel-6
SP-13	2001-10-05	5	.	0	.	0		<a href="#">get it</a>	
SP-14	2002-01-10	5	.	1	.	0		<a href="#">get it</a>	
SP-15	2002-03-28	5	.	2	.	0	TP-16: moved to Rel-6	<a href="#">get it</a>	

---

**TS 22.146 Multimedia Broadcast/Multicast Service (MBMS); Stage 1**  
Rel-5 *current version:* none *WG (prime / other):* S1 / *rapporteur:* JARVIS, Andre Hutchison 3G UK Ltd (3)  
*freeze\_meeting:* SP-15 *G:* *U:* yes *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

SP-13	2001-10-01	2	.	0	.	0	SP-010443	<a href="#">get it</a>	<i>remarks - general:</i> Replaces 22.946. Note that stage 2 is 23.246.
SP-13	2001-10-05	5	.	0	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> SP-15: To be a Rel-6 service, not Rel-5. SP-16 formally withdrw Rel-5.
SP-14	2002-01-10	5	.	1	.	0		<a href="#">get it</a>	
SP-15	2002-03-28	5	.	2	.	0	SP-16: withdrawn.	<a href="#">get it</a>	

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs Rel-5 22 .- series  
 Server location: [http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

<b>TS 22.174</b>	<b>Push service; Stage 1</b>							
Rel-5	current version: none		WG (prime / other): S1 /	rapporteur: WATSON, John	VODAFONE Group Plc			
	freeze_meeting: SP-15		G: yes U: yes	MCC: CLAYTON, Michael				
	history (event, available, version, comments):						remarks - general:	
							remarks - this release:	SP-15: Timed out of Rel-5.
<b>TS 22.240</b>	<b>Service requirements for 3GPP Generic User Profile (GUP); Stage 1</b>							
Rel-5	current version: none		WG (prime / other): S1 /	rapporteur: BOOTE, Michael	Lucent Technologies Network Systems UK			
	freeze_meeting: SP-15		G: U: yes	MCC: CLAYTON, Michael				
	history (event, available, version, comments):						remarks - general:	Cf work item "Generic user profile"
	draft	0 . 5 . 0					remarks - this release:	SP-15: Delayed to Rel-6
		S1-020186						
<b>TS 22.243</b>	<b>Speech recognition framework for automated voice services; Stage 1</b>							
Rel-5	current version: none		WG (prime / other): S1 /	rapporteur: WILLIAMS, David Hugh	QUALCOMM EUROPE S.A.R.L.			
	freeze_meeting: SP-15		G: yes U: yes	MCC: CLAYTON, Michael				
	history (event, available, version, comments):						remarks - general:	WI UID = 31006
	S1 draft	0 . 0 . 2					remarks - this release:	SP-15: Delayed to Rel-6.
	SP-14	2002-01-02				<a href="#">get it</a>		
		1 . 0 . 0						SP-010680
<b>TR 22.928</b>	<b>IP-based multimedia services examples</b>							
Rel-5	current version: none		WG (prime / other): S1 /	rapporteur: CATALDO, Mark	Openwave Systems (N.I.) Ltd			
	freeze_meeting: SP-15		G: U: yes	MCC: CLAYTON, Michael				
	history (event, available, version, comments):						remarks - general:	2003-04-07 Clayton: scrapped.
							remarks - this release:	2003-04-07 Clayton: scrapped.
<b>TR 22.941</b>	<b>IP based multimedia framework; Stage 0</b>							
Rel-5	current version: none		WG (prime / other): S1 /	rapporteur: WOHLERT, Randolph	SBC Communications Inc.			
	freeze_meeting: SP-15		G: U: yes	MCC: CLAYTON, Michael				
	history (event, available, version, comments):						remarks - general:	2003-04-07 Clayton: scrapped.
	draft	2001-07-05					remarks - this release:	TP-16: likely to drop out of Rel-5 if no progress soon. SP-
	SP-12	2001-07-05				<a href="#">get it</a>		18: annex C presented at
		0 . 2 . 4						
		S1-010359, SP-010359						"evolution" workshop (EV-020021). 2003-04-07 Clayton: scrapped.
		- not seen by SA1.						
	draft	2001-10-15				<a href="#">get it</a>		
	SP-14	2002-01-02				<a href="#">get it</a>		
		0 . 7 . 0						NP-010701 (!)

G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs Rel-5 22 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

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**TR 22.946 Broadcast and multicast services**  
Rel-5 *current version:* none  
*freeze\_meeting:* SP-15  
*history (event, available, version, comments):*  
SP-12 2001-06-27 1 . 0 . 0 SP-010267

*WG (prime / other):* S1 / *rapporteur:* N, A Indicate persons who left Company and wait for new One  
*G:* *U:* yes *MCC:* CLAYTON, Michael  
[get it](#) *remarks - general:* Replaced by 22.146.  
*remarks - this release:* To be scrapped SP-13. 2001-11-28: assume to be withdrawn since 22.146 approved at SP-13.

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**TR 22.976 Study on PS domain services and capabilities**  
Rel-5 *current version:* none  
*freeze\_meeting:* SP-15  
*history (event, available, version, comments):*  
SP-08 2000-06-28 2 . 0 . 0 transferred from Rel-4.

*WG (prime / other):* S1 / - *rapporteur:* CATALDO, Mark Openwave Systems (N.I.) Ltd  
*G:* *U:* yes *MCC:* CLAYTON, Michael  
[get it](#) *remarks - general:* 2003-04-07 Clayton: scrapped.  
*remarks - this release:* 2001-12-04: Rel4->Rel-5 (Clayton). SP-19: -> Rel-6

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Rel-5 **23** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/23\\_series](http://www.3gpp.org/ftp/Specs/archive/23_series)

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**TS 23.073 Support of Localised Service Area (SoLSA); Stage 2**  
Rel-5 *current version:* none  
*freeze\_meeting:* NP-15  
*history (event, available, version, comments):*

*WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo  
*remarks - general:* Transfer>TSG#4. 2001-10-09 Rapporteur changed from Ch Homann.  
*remarks - this release:* SP-16: ->43.073 since applies to GERAN systems only.

---

**TS 23.121 Architectural requirements for Release 1999**  
Rel-5 *current version:* none  
*freeze\_meeting:* SP-15  
*history (event, available, version, comments):*  
SP-09 5 . 0 . 0

*WG (prime / other):* S2 / - *rapporteur:* DANIEL, Elizabeth Lucent Technologies Network Systems UK  
*G:* yes *U:* yes *MCC:* YOON, Sang-Ui  
*remarks - general:*  
*remarks - this release:* Oct00: CRs were approved by accident, it seems. Intention was to create 23.221 v5.0.0 rather than a Rel-5 of this spec. CR will be retrospectively withdrawn.

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 23.174</b>	<b>Push service; stage 2</b>				
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> S2 /	<i>rapporteur:</i> WOLAK, Stephen	VODAFONE Group Plc	
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i> YOON, Sang-Ui		
	<i>history (event, available, version, comments):</i>		<i>remarks - general:</i> Rapporteur: "note that there are currently no plans for a Push stage 2 but it is good to		
			<i>remarks - this release:</i> SP-17: Rel-5 -> Rel-6 to accord with stage 1. reserve the number just in case ...".		
<hr/>					
<b>TS 23.178</b>	<b>customized Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2</b>				
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> N2 / -	<i>rapporteur:</i> HOMANN, Christian	ALCATEL SEL AG	
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> JURISIC, Andrijana		
	<i>history (event, available, version, comments):</i>		<i>remarks - general:</i> 2001-10-26: renumbered to 23.278.		
			<i>remarks - this release:</i> 2001-10-26: renumbered to 23.278.		
<hr/>					
<b>TS 23.240</b>	<b>3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)</b>				
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> S2 /	<i>rapporteur:</i> KOSKINEN, Harri	Nokia Telecommunications Inc.	
	<i>freeze_meeting:</i> SP-15	G: U: yes	<i>MCC:</i> YOON, Sang-Ui		
	<i>history (event, available, version, comments):</i>		<i>remarks - general:</i> Cf work item 'Generic user profile'		
	draft	0 . 2 . 0	<i>remarks - this release:</i> -> Rel-6		
	draft	0 . 3 . 0			
	S2-23	0 . 4 . 0			
	post S2-23	0 . 4 . 1			
	S2-25	0 . 5 . 1			
	S2-26	0 . 6 . 0			
	S2-26	0 . 6 . 1			
	S2-27	0 . 7 . 0			
	S2-27	0 . 7 . 1			
	S2-28	0 . 8 . 0			
	post S2-28	0 . 9 . 0			
	S2-29	0 . 10 . 0			
	post S2-29	0 . 11 . 0			
	SP-19 2003-03-24	0 . 12 . 0			

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[get it](#)

G = required in systems with GERAN acces; U = required in systems with UMTS access.

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Server location: [http://www.3gpp.org/ftp/Specs/archive/23\\_series](http://www.3gpp.org/ftp/Specs/archive/23_series)

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<b>TS 23.241</b>	<b>3GPP Generic User Profile (GUP); Stage 2; Data Description Method (DDM)</b>								
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> T2 /	<i>rapporteur:</i> BISCHINGER, Kurt	T-Mobile AUSTRIA GmbH					
	<i>freeze_meeting:</i> TP-15	G: U: yes	<i>MCC:</i> RODERMUND, Friedhelm						
	<i>history (event, available, version, comments):</i>								
	draft	0 . 1 . 0				<i>remarks - general:</i>	Cf work item 'Generic user profile'		
	draft	0 . 2 . 0				<i>remarks - this release:</i>	TP-15: Delayed to Rel-6.		
<hr/>									
<b>TS 23.246</b>	<b>Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description</b>								
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> S2 /	<i>rapporteur:</i> JARVIS, Andre	Hutchison 3G UK Ltd (3)					
	<i>freeze_meeting:</i> SP-15	G: U: yes	<i>MCC:</i> YOON, Sang-Ui						
	<i>history (event, available, version, comments):</i>								
						<i>remarks - general:</i>	Note that stage 1 is 22.146. Meanwhile, stage 2 scenarios are worked on in 23.846.		
						<i>remarks - this release:</i>	SP-15: To be a Rel-6 service, not Rel-5.		
<hr/>									
<b>TR 23.841</b>	<b>Presence service architecture</b>								
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> S2 /	<i>rapporteur:</i> BERTENYI, Balazs	NOKIA Corporation					
	<i>freeze_meeting:</i> SP-15	G: U: yes	<i>MCC:</i> YOON, Sang-Ui						
	<i>history (event, available, version, comments):</i>								
	draft 2002-01-21	0 . 3 . 0	<a href="#">get it</a>			<i>remarks - general:</i>			
	draft	0 . 5 . 0				<i>remarks - this release:</i>	-> Rel-6		
	SP-15 2002-03-19	1 . 0 . 0	<a href="#">get it</a>	SP-020156					
	S2-24	1 . 1 . 0							
<hr/>									
<b>TR 23.846</b>	<b>Multimedia Broadcast/Multicast Service (MBMS); Stage 2</b>								
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> S2 /	<i>rapporteur:</i> JARVIS, Andre	Hutchison 3G UK Ltd (3)					
	<i>freeze_meeting:</i> SP-15	G: U: yes	<i>MCC:</i> YOON, Sang-Ui						
	<i>history (event, available, version, comments):</i>								
	draft 2002-01-03	0 . 0 . 1	<a href="#">get it</a>			<i>remarks - general:</i>	This is a preparatory report which may result in the creation of a stage 2 TS 23.246.		
	S2-22 2002-01-22	0 . 1 . 0	<a href="#">get it</a>			<i>remarks - this release:</i>	SP-15: To be a Rel-6 service, not Rel-5.		
	draft 2002-03-19	0 . 2 . 0	<a href="#">get it</a>						
<hr/>									
<b>TR 23.908</b>	<b>Technical report on Pre-Paging</b>								
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB					
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo						
	<i>history (event, available, version, comments):</i>								
	NP-16	5 . 0 . 0		2002-06-21: Kymalainen: no need to upgrade to Rel-5.		<i>remarks - general:</i>			
						<i>remarks - this release:</i>	2002-06-21: Kymalainen: no need to upgrade to Rel-5.		

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<b>TR 23.909</b>	<b>Technical report on the Gateway Location Register</b>								
Rel-5	<i>current version:</i> none		<i>WG (prime / other):</i> N4 / -		<i>rapporteur:</i> PARK, Ian David	VODAFONE LTD			
	<i>freeze_meeting:</i> NP-15				Chalmers				
			<i>G:</i> yes <i>U:</i> yes		<i>MCC:</i> KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>								
	NP-16	5 . 0 . 0	2002-06-21: Kymalainen: no need to upgrade to Rel-5.		<i>remarks - general:</i>				
					<i>remarks - this release:</i>	2002-06-21: Kymalainen: no need to upgrade to Rel-5.			
<hr/>									
<b>TR 23.911</b>	<b>Technical report on Out-of-band transcoder control</b>								
Rel-5	<i>current version:</i> none		<i>WG (prime / other):</i> N4 / -		<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB			
	<i>freeze_meeting:</i> NP-15				<i>MCC:</i> KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>								
	NP-16	5 . 0 . 0	2002-06-21: Kymalainen: no need to upgrade to Rel-5.		<i>remarks - general:</i>				
					<i>remarks - this release:</i>	2002-06-21: Kymalainen: no need to upgrade to Rel-5.			
<hr/>									
<b>TR 23.912</b>	<b>Technical report on Super-Charger</b>								
Rel-5	<i>current version:</i> none		<i>WG (prime / other):</i> N4 / -		<i>rapporteur:</i> SHARP, Iain	NORTEL NETWORKS (EUROPE)			
	<i>freeze_meeting:</i> NP-15				<i>MCC:</i> KYMALAINEN, Kimmo				
	<i>history (event, available, version, comments):</i>								
	NP-16	5 . 0 . 0	2002-06-21: Kymalainen: no need to upgrade to Rel-5.		<i>remarks - general:</i>				
					<i>remarks - this release:</i>	2002-06-21: Kymalainen: no need to upgrade to Rel-5.			
<hr/>									
<b>TR 23.915</b>	<b>Charging implications of IMS architecture</b>								
Rel-5	<i>current version:</i> none		<i>WG (prime / other):</i> S2 /		<i>rapporteur:</i> MILINSKI, Alexander	SIEMENS AG			
	<i>freeze_meeting:</i> SP-15				<i>MCC:</i> YOON, Sang-Ui				
	<i>history (event, available, version, comments):</i>								
					<i>remarks - general:</i>	2001-09-06: S2 Secretary: "May become 25.815." 2001-11-20: it has done so!			
					<i>remarks - this release:</i>	.			
<hr/>									
<b>TR 23.955</b>	<b>Virtual Home Environment (VHE) concepts</b>								
Rel-5	<i>current version:</i> none		<i>WG (prime / other):</i> S2 / -		<i>rapporteur:</i> SULTAN, Alain	SOURCE COM			
	<i>freeze_meeting:</i> SP-16				<i>MCC:</i> YOON, Sang-Ui				
	<i>history (event, available, version, comments):</i>								
	draft 2001-01-08	0 . 0 . 0			<i>remarks - general:</i>	SP-20: stopped			
	draft 2001-01-24	0 . 1 . 0			<i>remarks - this release:</i>	SP-20: stopped			
					<a href="#">get it</a>				
					<a href="#">get it</a>				

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**TR 23.974 Support of push service**  
Rel-5 *current version:* none  
*freeze\_meeting:* SP-15  
*history (event, available, version, comments):*  
SP-13 2001-10-01 2 . 0 . 0 SP-010508 - approved as 23.875

*WG (prime / other):* S2 /  
G: U: yes

*rapporteur:* UDA, Nobuyuki NTT COMWARE Corporation  
*MCC:* YOON, Sang-Ui

[get it](#) *remarks - general:* SP-13: changed number to 23.875.  
*remarks - this release:* May-2001: Sultan wonders whether this spec is needed. SP-13: Concern that this is a poor title - it is NOT a real stage 2.

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Rel-5 **24** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/24\\_series](http://www.3gpp.org/ftp/Specs/archive/24_series)

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**TS 24.241 3GPP Generic User Profile (GUP) Common objects; Stage 3**  
Rel-5 *current version:* none  
*freeze\_meeting:* TP-16  
*history (event, available, version, comments):*

*WG (prime / other):* T2 /  
G: U: yes

*rapporteur:* SOOD, Prem SHARP Corporation  
*MCC:* RODERMUND, Friedhelm

*remarks - general:* Cf work item 'Generic user profile' - may be renumbered to 27.241  
*remarks - this release:* 2002-05-29 (jmm): Since stage 2 is moved to Rel-6, so should the stage 3 be.

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Rel-5 **25** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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**TR 25.855 High Speed Downlink Packet Access (HSDPA); Overall UTRAN description**  
Rel-5 *current version:* none  
*freeze\_meeting:* RP-15  
*history (event, available, version, comments):*  
RP-12 2001-06-19 1 . 0 . 0 RP-010345  
RP-13 2001-10-01 2 . 0 . 0 RP-010562  
RP-13 2001-10-02 5 . 0 . 0

*WG (prime / other):* R2 /  
G: U: yes

*rapporteur:* KUCHIBHOTLA, Ravi MOTOROLA Ltd  
*MCC:* ARZELIER, Claude

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* RP-13: This TR has been replaced by TS 25.308.  
[get it](#)

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G = required in systems with GERAN access; U = required in systems with UMTS access.



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WITHDRAWN specs Rel-5 25 .- series  
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**TR 25.856 High Speed Downlink Packet Access (HSDPA); Layer 2 and 3 aspects**

Rel-5 *current version:* none *WG (prime / other):* R2 / *rapporteur:* KUCHIBHOTLA, Ravi MOTOROLA Ltd  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* ARZELIER, Claude  
*history (event, available, version, comments):*

*remarks - general:* 2003-05-26: stopped  
*remarks - this release:* 2003-05-26: stopped

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**TR 25.857 UE positioning enhancements**

Rel-5 *current version:* none *WG (prime / other):* R2 / *rapporteur:* BECKMANN, Mark SIEMENS AG  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* ARZELIER, Claude  
*history (event, available, version, comments):*

*remarks - general:* 2003-05-26: stopped  
*remarks - this release:* 2003-05-26: stopped

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**TR 25.861 RNC - SMLC location protocol**

Rel-5 *current version:* none *WG (prime / other):* R2 / *rapporteur:* MIKOLA, Juha NOKIA Corporation  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* ARZELIER, Claude  
*history (event, available, version, comments):*

*remarks - general:* RP-15: abandoned in favour of directly writing the stage 3 spec.  
*remarks - this release:* RP-15: abandoned in favour of directly writing the stage 3 spec.

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**TR 25.867 Feasibility study for wideband distribution systems in 3rd generation networks**

Rel-5 *current version:* none *WG (prime / other):* R4 / *rapporteur:* MATARASSO, Carlo Mikom - Andrew  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar  
*history (event, available, version, comments):*  
RP-14 2002-01-02 1 . 0 . 0 RP-010794

[get it](#)

*remarks - general:*  
*remarks - this release:* 2003-11-28: WG secretary reports: Timed out of Rel-5, moved to Rel-6.

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## TR 25.869 Transmitter diversity solutions for multiple antennas

Rel-5 *current version:* none *WG (prime / other):* R1 / - *rapporteur:* KIM, Sung-Jin Samsung Electronics Ind. Co., Ltd.  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* SASAKI, Tsukasa

*history (event, available, version, comments):*

draft		0	.	1	.	0			<i>remarks - general:</i>
draft		0	.	1	.	1			<i>remarks - this release:</i> RP-20: to Rel-6.
RP-12	2001-06-28	1	.	0	.	0	RP-010344	<a href="#">get it</a>	
RP-13	2001-10-01	1	.	0	.	1	RP-010637	<a href="#">get it</a>	
RP-15	2002-03-19	1	.	0	.	2	RP-020130 - RP-20: to Rel-6	<a href="#">get it</a>	
draft	2003-10-08	1	.	2	.	0	R1-030946	<a href="#">get it</a>	
draft	2004-03-01	1	.	2	.	1	R1-040396	<a href="#">get it</a>	

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## TR 25.876 Multiple Input Multiple Output (MIMO) Antennae in UTRA

Rel-5 *current version:* none *WG (prime / other):* R1 / *rapporteur:* HUANG, Howard Lucent Technologies  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* SASAKI, Tsukasa

*history (event, available, version, comments):*

R1-21		0	.	0	.	0	R1-010879		<i>remarks - general:</i> RP-20: reference to HSDPA removed from title
RP-14	2002-01-02	1	.	0	.	0	RP-010796	<a href="#">get it</a>	<i>remarks - this release:</i> 2003-11-03: Timed out of Rel-5, must be Rel-6.
R1-24		1	.	0	.	1	R1-020486		
RP-15	2002-07-31	1	.	1	.	0	RP-020240	<a href="#">get it</a>	

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## TR 25.885 UMTS 1800 / 1900 MHz work items report

Rel-5 *current version:* none *WG (prime / other):* R4 / *rapporteur:* NUMMINEN, Jussi NOKIA Corporation  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version, comments):*

RP-13	2001-10-01	1	.	0	.	0	RP-010672. RP-17: withdrawn.	<a href="#">get it</a>	<i>remarks - general:</i> RP-17: withdrawn. RP-18 unwithdrawn. <i>remarks - this release:</i> RP-17: withdrawn.
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## TR 25.886 Small technical enhancements and improvements work item

Rel-5 *current version:* none *WG (prime / other):* R4 / *rapporteur:* GUTIERREZ MIGUELEZ, Cesar  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version, comments):*

*remarks - general:*  
*remarks - this release:* RP-17: withdrawn.

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TR 25.887</b>	<b>Beamforming enhancements</b>								
Rel-5	<i>current version:</i> none		<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> KAHTAVA, Jussi	Nokia Japan Co, Ltd				
	<i>freeze_meeting:</i> RP-15		G: U: yes	<i>MCC:</i> SASAKI, Tsukasa					
	<i>history (event, available, version, comments):</i>								
	R1-22	0 . 0 . 1	R1-011342					<i>remarks - general:</i>	
	RP-14 (ex R1-22)	2001-12-07	1 . 0 . 0	R1-040188				<i>remarks - this release:</i> RP-15: Deferred to Rel-6.	
							<a href="#">get it</a>		
<hr/>									
<b>TR 25.888</b>	<b>Improvement of inter frequency and inter system measurement for 1,28 Mcps TDD</b>								
Rel-5	<i>current version:</i> none		<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> LI, Xiaoqiang	SAMSUNG Electronics Research Institute				
	<i>freeze_meeting:</i> RP-16		G: U: yes	<i>MCC:</i> SASAKI, Tsukasa					
	<i>history (event, available, version, comments):</i>								
	RP-17	2002-09-24	1 . 0 . 0	RP-020508				<i>remarks - general:</i>	
							<a href="#">get it</a>	<i>remarks - this release:</i> -> Rel-6	
<hr/>									
<b>TR 25.890</b>	<b>High Speed Downlink Packet Access (HSDPA); User Equipment (UE) radio transmission and reception (FDD)</b>								
Rel-5	<i>current version:</i> none		<i>WG (prime / other):</i> R4 /	<i>rapporteur:</i> FERNANDES, Edgar	MOTOROLA A/S				
	<i>freeze_meeting:</i> SP-15		G: U: yes	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar					
	<i>history (event, available, version, comments):</i>								
	draft	0 . 0 . 0						<i>remarks - general:</i>	
	RP-16	2002-06-26	1 . 0 . 0	RP-020376				<i>remarks - this release:</i> RP-22: Went off the boil after RP-16. No need for it any more.	
							<a href="#">get it</a>		
<hr/>									
<b>TR 25.893</b>	<b>Radio access bearer scenarios</b>								
Rel-5	<i>current version:</i> none		<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> MIKOLA, Juha	NOKIA Corporation				
	<i>freeze_meeting:</i> RP-19		G: U: yes	<i>MCC:</i> ARZELIER, Claude					
	<i>history (event, available, version, comments):</i>								
								<i>remarks - general:</i>	2003-05-26: to be stopped.
								<i>remarks - this release:</i>	2003-05-26: to be stopped, relevant partsto be moved to 25.993. RP-20: to Rel-6 (but expected to be stopped in 2003-09 and contents moved to 25.993).

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## TR 25.951 Base Station (BS) classification (FDD)

Rel-5 *current version:* none *WG (prime / other):* R4 / - *rapporteur:* SÄYNÄJÄKANGAS, NOKIA Corporation  
*freeze\_meeting:* RP-16

*G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version, comments):*

RP-13	2001-10-01	1	.	1	.	0	moved from Rel-4
R4-23		1	.	2	.	0	R4-020688
R4-24		1	.	3	.	0	R4-021073, R4-021376, R4-021377
R4-25		1	.	4	.	0	R4-021430 et al
draft		1	.	4	.	1	
R4-26		1	.	5	.	0	R4-021695 et al
R4-26		1	.	5	.	1	R4-030210

[get it](#)

*remarks - general:*

*remarks - this release:* 2002-01-24: Gutierrez: moved from Rel-4. RP-19: to Rel-6.

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## TR 25.998 UTRAN recommendation and UE allowance for non-essential corrections of a feature made only in a later release

Rel-5 *current version:* none *WG (prime / other):* R2 / *rapporteur:* FAUCONNIER, Denis NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:*

*G:* *U:* yes *MCC:* ARZELIER, Claude

*history (event, available, version, comments):*

*remarks - general:*

This is NOT the same as 25.995! Title to be reviewed. RP-23: RAN rejected the notion

*remarks - this release:* No technical contents, merely a pointer to the latest Release version. of this TR, so

stopped.

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Rel-5 **27** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/27\\_series](http://www.3gpp.org/ftp/Specs/archive/27_series)

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## TS 27.104 vObjects and other constructs for data synchronization

Rel-5 *current version:* none *WG (prime / other):* T2 / - *rapporteur:* LOCKHART, Rob Motorola Inc.  
*freeze\_meeting:* TP-15

*G:* *U:* yes *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*

TP-10	2001-01-05	0	.	1	.	1	SP-000657
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[get it](#)

*remarks - general:*

TP-14: may be merged with 24.241. 2003-01-31: T2 Secretary confirmst that this spec  
*remarks - this release:* TSG#11:Rel4->Rel5. 2003-01-31: T2 Secretary confirmst that this spec is scrapped.  
is scrapped.

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs Rel-5 27 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/27\\_series](http://www.3gpp.org/ftp/Specs/archive/27_series)

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**TS 27.226 Global Text telephony (GTT);Terminal aspects**

Rel-5 *current version:* none  
*freeze\_meeting:* TP-15  
*history (event, available, version, comments):*

*WG (prime / other):* T2 / - *rapporteur:* HELLSTROM, Gunnar Omnitor AB  
*G:* yes *U:* yes *MCC:* RODERMUND, Friedhelm

*remarks - general:* SP-16: to "GERAN" set.  
*remarks - this release:* WI approved TSG#7. WG Secretary 2001-08-30: No need for any terminal spec for this application; so stopped.

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**TS 27.241 3GPP generic user profile requirements; Stage 3; Access; Common objects**

Rel-5 *current version:* none  
*freeze\_meeting:* TP-16  
*history (event, available, version, comments):*

*WG (prime / other):* T2 / *rapporteur:* LOCKHART, Rob Motorola Inc.  
*G:* *U:* yes *MCC:* RODERMUND, Friedhelm

*remarks - general:* 2003-01-31: T2 Secretary confirmst that this spec is scrapped.  
*remarks - this release:* 2003-01-31: T2 Secretary confirmst that this spec is scrapped.

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Rel-5 29 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/29\\_series](http://www.3gpp.org/ftp/Specs/archive/29_series)

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**TS 29.162 Interworking between the IM CN subsystem and IP networks**

Rel-5 *current version:* none  
*freeze\_meeting:* NP-16  
*history (event, available, version, comments):*

*WG (prime / other):* N3 / *rapporteur:* HOLLAND, Nigel mmO2 plc  
*G:* yes *U:* yes *MCC:* BOSWARTHICK, David

*remarks - general:*  
*remarks - this release:* NP-19: to Rel-6

draft 2001-06-01 0 . 1 . 0  
draft 2001-11-08 0 . 3 . 0  
draft 2002-01-14 0 . 4 . 0  
draft 2002-02-18 0 . 6 . 1  
NP-15 2002-03-19 1 . 0 . 0 NP-020076

[get it](#)  
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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 29.163</b>	<b>Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks</b>				
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> N3 /	<i>rapporteur:</i> BELLING, Thomas	SIEMENS AG	
	<i>freeze_meeting:</i> NP-18	G: yes U: yes	<i>MCC:</i> BOSWARTHICK, David		
<i>history (event, available, version, comments):</i>					
	N3-16	0 . 0 . 0			<i>remarks - general:</i>
	N3-17	2001-06-01 0 . 1 . 0	N3-010185, N3-010199, N3-010201 and <a href="#">get it</a>		<i>remarks - this release:</i> NP-16: shifted to Rel-6.
			N3-010210		
	N3-18	0 . 2 . 0	N3-010312, N3-010315		
	N3-19	2001-11-09 0 . 3 . 0	N3-010462, N3-010427	<a href="#">get it</a>	
	NP-14	2002-01-02 1 . 0 . 0	NP-010565	<a href="#">get it</a>	
	N3-21	1 . 1 . 0			
	NP-15	2002-02-18 1 . 2 . 0	NP-020077 ex N3-21	<a href="#">get it</a>	
	editorials	1 . 2 . 1			
	N3-23	1 . 3 . 1	N3-020441		

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<b>TS 29.198-04</b>	<b>Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control</b>				
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> N5 /	<i>rapporteur:</i> ABARCA, Chelo	ALCATEL S.A.	
	<i>freeze_meeting:</i> NP-15	G: U: yes	<i>MCC:</i> ZOICAS, Adrian		
<i>history (event, available, version, comments):</i>					
	NP-16	5 . 0 . 0	Interim step; not to be produced. See sub-parts.		<i>remarks - general:</i>
					<i>remarks - this release:</i> Split into sub-parts.

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<b>TS 29.198-09</b>	<b>Open Service Access (OSA) Application Programming Interface (API); Part 9: Generic messaging SCF</b>				
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> N5 /	<i>rapporteur:</i> ABARCA, Chelo	ALCATEL S.A.	
	<i>freeze_meeting:</i> NP-15	G: U: yes	<i>MCC:</i> ZOICAS, Adrian		
<i>history (event, available, version, comments):</i>					
					<i>remarks - general:</i> No draft produced. See ETSI deliverables: Parlay 3 - ES 201 915-9 and Parlay 4 - ES 915-9.
					<i>remarks - this release:</i> 2001-05-18: Changed to Rel-5 from Rel-4 on info from Zoicas. SP-14 stopped. 202

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<b>TS 29.198-10</b>	<b>Open Service Access (OSA) Application Programming Interface (API); Part 10: Connectivity manager SCF</b>				
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> N5 /	<i>rapporteur:</i> N, A	Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i> NP-15	G: U: yes	<i>MCC:</i> ZOICAS, Adrian		
<i>history (event, available, version, comments):</i>					
					<i>remarks - general:</i> No draft produced. See ETSI deliverables: Parlay 3 - ES 201 915-10 and Parlay 4 - ES 915-10.
					<i>remarks - this release:</i> 2001-05-18: Changed to Rel-5 from Rel-4 on info from Zoicas. SP-14 stopped. 202

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<b>TS 29.203</b>	<b>Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)</b>				
Rel-5	current version: none	WG (prime / other):	N4 /	rapporteur:	YOUNG, Michael MOTOROLA Ltd
	freeze_meeting: NP-15	G:	U: yes	MCC:	KYMALAINEN, Kimmo
history (event, available, version, comments):					
remarks - general: superseded by 29.903					
remarks - this release: . TSG#11:creation; superseded by 29.903					
<hr/>					
<b>TS 29.226</b>	<b>reserved</b>				
Rel-5	current version: none	WG (prime / other):	N4 /	rapporteur:	VACANT,
	freeze_meeting: NP-15	G:	U: yes	MCC:	KYMALAINEN, Kimmo
history (event, available, version, comments):					
remarks - general:					
remarks - this release: WI approved TSG#7					
<hr/>					
<b>TS 29.240</b>	<b>Generic User Profile (GUP); Stage 3; Network</b>				
Rel-5	current version: none	WG (prime / other):	N4 /	rapporteur:	KYMALAINEN, Kimmo TeliaSonera AB
	freeze_meeting: NP-16	G:	U: yes	MCC:	KYMALAINEN, Kimmo
history (event, available, version, comments):					
remarks - general: Cf work item 'Generic user profile' - may be renumbered to 27.241					
remarks - this release: 2002-03-05: Delayed to Rel-6.					
<hr/>					
<b>TR 29.993</b>	<b>Modifications to be incorporated in equipment to cater for errors in the standards</b>				
Rel-5	current version: none	WG (prime / other):	RP / -	rapporteur:	COURAU, François ALCATEL S.A.
	freeze_meeting:	G: yes	U: yes	MCC:	GUTIERREZ MIGUELEZ, Cesar
history (event, available, version, comments):					
remarks - general: RP-19: stopped.					
remarks - this release: .					
<hr/>					
<b>TR 29.998-04-2</b>	<b>Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 2: INAP</b>				
Rel-5	current version: none	WG (prime / other):	N5 /	rapporteur:	UNMEHOPA, Musa Lucent Technologies Network Systems UK
	freeze_meeting: NP-15	G:	U: yes	MCC:	ZOICAS, Adrian
history (event, available, version, comments):					
remarks - general:					
remarks - this release: SP-14 stopped.					

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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**TR 29.998-04-3 Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 3: MEGACO mapping**

Rel-5 *current version:* none *WG (prime / other):* N5 / *rapporteur:* UNMEHOPA, Musa Lucent Technologies Network Systems UK  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

*remarks - general:*

*remarks - this release:* 2003-01-15: abandoned by N5

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**TR 29.998-05-2 Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 2: INAP mapping**

Rel-5 *current version:* none *WG (prime / other):* N5 / *rapporteur:* UNMEHOPA, Musa Lucent Technologies Network Systems UK  
*freeze\_meeting:* NP-16 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

*remarks - general:*

*remarks - this release:* 2003-01-15: abandoned by N5

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**TR 29.998-05-3 Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 3: MEGACO mapping**

Rel-5 *current version:* none *WG (prime / other):* N5 / *rapporteur:* UNMEHOPA, Musa Lucent Technologies Network Systems UK  
*freeze\_meeting:* NP-16 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version, comments):*

*remarks - general:*

*remarks - this release:* 2003-01-15: abandoned by N5

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Rel-5 **30** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/30\\_series](http://www.3gpp.org/ftp/Specs/archive/30_series)

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**TR 30.002 Guidelines for the modification of the Mobile Application Part (MAP)**

Rel-5 *current version:* none *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* SP-15 *G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*

NP-18 2003-01-07 5 . 0 . 0 NP-19: renumbered to 30.902.

[get it](#)

*remarks - general:*

*remarks - this release:* NP-19: renumbered to 30.902 to avoid confusion with old SMG 30.0x series UMTS studies.  
NP-18: Evidently Rel-5 is indeed required!

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G = required in systems with GERAN acces; U = required in systems with UMTS access.



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**TS 31.115 Secured packet structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications**  
Rel-5 *current version: none* *WG (prime / other):* T3 / - *rapporteur:* VIALLET, Sophie Indicate persons who left Company and wait for new One  
*freeze\_meeting:* TP-16 *G:* U: yes *MCC:* JURISIC, Andrijana  
*history (event, available, version, comments):*  
TP-15 2002-03-19 0 . 0 . 2 TP-020031 [get it](#) *remarks - general:* additional rapporteur: Florence Martin.  
TP-15 2002-03-19 1 . 0 . 0 TP-020075 [get it](#) *remarks - this release:* TP-16: offered for approval as Rel-6, so scrap Rel-5.

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**TS 31.116 Remote APDU Structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications**  
Rel-5 *current version: none* *WG (prime / other):* T3 / - *rapporteur:* VIALLET, Sophie Indicate persons who left Company and wait for new One  
*freeze\_meeting:* TP-16 *G:* yes *U:* yes *MCC:* JURISIC, Andrijana  
*history (event, available, version, comments):*  
TP-15 2002-03-19 0 . 1 . 0 TP-020032 [get it](#) *remarks - general:* additional rapporteur: Florence Martin  
TP-15 2002-03-19 1 . 0 . 0 TP-020076 [get it](#) *remarks - this release:* TP-16: offered for approval as Rel-6, so scrap Rel-5.

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**TS 31.123 (Universal) Subscriber Interface Module ((U)SIM) toolkit interpreter test**  
Rel-5 *current version: none* *WG (prime / other):* T3 / *rapporteur:* BARNES, Nigel MOTOROLA Ltd  
*freeze\_meeting:* *G:* U: yes *MCC:* JURISIC, Andrijana  
*history (event, available, version, comments):*  
draft 2004-03-22 0 . 3 . 0 T3-030912 [get it](#) *remarks - general:* WI @ T3-01 0338, UID = 2518  
*remarks - this release:* .

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**TS 31.131 C-language binding for (Universal) Subscriber Identity Module ((U)SIM) API**  
Rel-5 *current version: none* *WG (prime / other):* T3 / *rapporteur:* JURISIC, Andrijana VIPnet d.o.o  
*freeze\_meeting:* TP-16 *G:* U: yes *MCC:* JURISIC, Andrijana  
*history (event, available, version, comments):*  
TP-14 2002-01-02 1 . 0 . 0 TP-010249 [get it](#) *remarks - general:* Test spec is 34.131.  
*remarks - this release:* TP-17: Clear that the spec is Rel-6 not Rel-5.

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<b>TS 32.108</b>	<b>Telecommunication management; Subscriber and equipment trace</b>								
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / NP	<i>rapporteur:</i> RONKA, Kari	NOKIA Corporation					
	<i>freeze_meeting:</i> SP-16	G: U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	draft 2001-11-08 0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i> 2002-04-29: source Christian Toche - will not be published. Replace with 32.411,						
	draft 2002-02-26 0 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> SP-15: Partial service only. 32.42x and 52.008.						
<hr/>									
<b>TS 32.112</b>	<b>Telecommunication management; Fault Management; Alarm Integration Reference Point: Information Service</b>								
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> TOVINGER, Thomas	Telefon AB LM Ericsson					
	<i>freeze_meeting:</i> SP-15	G: U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
			<i>remarks - general:</i> SP-15: stopped, no draft ever having been produced.						
			<i>remarks - this release:</i> .						
<hr/>									
<b>TS 32.113</b>	<b>Telecommunication management; Fault Management; Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set</b>								
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> TOVINGER, Thomas	Telefon AB LM Ericsson					
	<i>freeze_meeting:</i> SP-15	G: U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
			<i>remarks - general:</i> SP-15: stopped, no draft ever having been produced.						
			<i>remarks - this release:</i> .						
<hr/>									
<b>TS 32.114</b>	<b>Telecommunication management; Fault Management; Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set</b>								
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> TOVINGER, Thomas	Telefon AB LM Ericsson					
	<i>freeze_meeting:</i> SP-15	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
			<i>remarks - general:</i> SP-15: stopped, no draft ever having been produced.						
			<i>remarks - this release:</i> .						
<hr/>									
<b>TS 32.140</b>	<b>Telecommunication management; Subscription Management (SuM) requirements</b>								
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> ISLIP, John	Lucent Technologies Network Systems UK					
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	draft 2001-06-27 0 . 1 . 3	<a href="#">get it</a>	<i>remarks - general:</i> 2004-03-29: S5 Project Manager: "services operations management" removed from title.						
	draft 2002-01-21 0 . 5 . 4	<a href="#">get it</a>	<i>remarks - this release:</i> SP-15: move to Rel-6.						
	draft 2002-01-28 0 . 5 . 5	<a href="#">get it</a>							

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 32.312-2</b>	<b>Telecommunication management; Generic Integration Reference Point (IRP) management; Information service</b>			
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> N, A	Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i> SP-15			
	<i>history (event, available, version, comments):</i>	G: U: yes	MCC: ZOICAS, Adrian	
			<i>remarks - general:</i> -> 32.112	
			<i>remarks - this release:</i> .	
<hr/>				
<b>TS 32.681</b>	<b>Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Requirements</b>			
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PAL, Tapinder	T-MOBILE DEUTSCHLAND
	<i>freeze_meeting:</i> SP-17	G: yes U: yes	MCC: ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>			
			<i>remarks - general:</i>	
			<i>remarks - this release:</i> SP-17: moved to Rel-6.	
<hr/>				
<b>TS 32.682</b>	<b>Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP); Information Service (IS)</b>			
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PAL, Tapinder	T-MOBILE DEUTSCHLAND
	<i>freeze_meeting:</i> SP-17	G: yes U: yes	MCC: ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>			
			<i>remarks - general:</i>	
			<i>remarks - this release:</i> SP-17: moved to Rel-6.	
<hr/>				
<b>TS 32.683</b>	<b>Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)</b>			
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PAL, Tapinder	T-MOBILE DEUTSCHLAND
	<i>freeze_meeting:</i> SP-17	G: yes U: yes	MCC: ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>			
			<i>remarks - general:</i>	
			<i>remarks - this release:</i> SP-17: moved to Rel-6.	
<hr/>				
<b>TS 32.684</b>	<b>Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)</b>			
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PAL, Tapinder	T-MOBILE DEUTSCHLAND
	<i>freeze_meeting:</i> SP-17	G: yes U: yes	MCC: ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>			
			<i>remarks - general:</i>	
			<i>remarks - this release:</i> SP-17: moved to Rel-6.	

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WITHDRAWN specs Rel-5 32 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/32\\_series](http://www.3gpp.org/ftp/Specs/archive/32_series)

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**TR 32.801 Performance management**

Rel-5 *current version:* none  
*freeze\_meeting:* SP-15  
*history (event, available, version, comments):*

*WG (prime / other):* S5 / *rapporteur:* KORINEK, Frank MOTOROLA JAPAN LTD  
*G:* *U:* yes *MCC:* ZOICAS, Adrian

*remarks - general:* (Release 4/5 Building Block: OAM-PM)  
*remarks - this release:* 2001-08-27: S5 Secretary: no document to be produced.

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Rel-5 **33** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/33\\_series](http://www.3gpp.org/ftp/Specs/archive/33_series)

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**TR 33.800 Principles for Network Domain Security**

Rel-5 *current version:* none  
*freeze\_meeting:*  
*history (event, available, version, comments):*

*WG (prime / other):* S3 / - *rapporteur:* ESCOTT, Adrian Hutchison 3G UK Ltd (3)  
*G:* *U:* yes *MCC:* POPE, Maurice

*remarks - general:* 2002-06-26: Item abandoned, since seems unlikely any more work will be done on it.  
*remarks - this release:* .2002-06-26: Item abandoned, since seems unlikely any more work will be done on it.

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Rel-5 **41** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/41\\_series](http://www.3gpp.org/ftp/Specs/archive/41_series)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs Rel-5 41 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/41\\_series](http://www.3gpp.org/ftp/Specs/archive/41_series)

## TS 41.103 GSM Release 5 specifications

Rel-5 *current version:* none *WG (prime / other):* SP / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
*freeze\_meeting:* SP-16 *G: yes U:* *MCC:* POPE, Maurice

*history (event, available, version, comments):*

SP-12		0	.	0	.	0		SP-010278		<i>remarks - general:</i>	SP-20: Superseded by 41.101 Rel-5.
SP-12	2001-07-05	0	.	1	.	0		SP-010384	<a href="#">get it</a>	<i>remarks - this release:</i>	SP-20: Superseded by 41.101 Rel-5.
SP-13	2001-10-01	1	.	0	.	0		SP-010421	<a href="#">get it</a>		
SP-15	2002-03-19	1	.	1	.	0		SP-020098	<a href="#">get it</a>		
SP-15	2002-03-19	1	.	2	.	0		SP-020203	<a href="#">get it</a>		
SP-16		2	.	0	.	0		SP-020271			
SP-16		2	.	1	.	0		SP-020398			
SP-16		2	.	2	.	0		SP-020410			
SP-16	2002-06-19	5	.	0	.	0			<a href="#">get it</a>		
SP-17	2002-09-18	5	.	1	.	0			<a href="#">get it</a>		
SP-18	2003-01-03	5	.	2	.	0			<a href="#">get it</a>		
SP-19	2003-03-27	5	.	3	.	0			<a href="#">get it</a>		
SP-20	2003-06-25	5	.	4	.	0		withdrawn -> 41.101	<a href="#">get it</a>		

Rel-5 42 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/42\\_series](http://www.3gpp.org/ftp/Specs/archive/42_series)

## TS 42.031 Fraud Information Gathering System (FIGS); Service description; Stage 1

Rel-5 *current version:* none *WG (prime / other):* S3 / *rapporteur:* WRIGHT, Tim Indicate persons who left Company and wait for new One  
*freeze\_meeting:* SP-15 *G: yes U:* *MCC:* POPE, Maurice

*history (event, available, version, comments):*

SP-16	2002-06-24	5	.	0	.	0		SP-18: withdrawn.	<a href="#">get it</a>	<i>remarks - general:</i>	SP-18: decided FIGS is joint GERAN/UTRAN so -> 22.031.
										<i>remarks - this release:</i>	SP-18: decided FIGS is joint GERAN/UTRAN so -> 22.031.

## TS 42.032 Immediate Service Termination (IST); Service description; Stage 1

Rel-5 *current version:* none *WG (prime / other):* S3 / *rapporteur:* WRIGHT, Tim Indicate persons who left Company and wait for new One  
*freeze\_meeting:* SP-15 *G: yes U:* *MCC:* POPE, Maurice

*history (event, available, version, comments):*

										<i>remarks - general:</i>	SP-16: withdrawn in favour of 22.032.
										<i>remarks - this release:</i>	SP-16: withdrawn in favour of 22.032.

G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs Rel-5 42 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/42\\_series](http://www.3gpp.org/ftp/Specs/archive/42_series)

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Rel-5 **43** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/43\\_series](http://www.3gpp.org/ftp/Specs/archive/43_series)

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<b>TS 43.031</b>	<b>Fraud Information Gathering System (FIGS); Service description; Stage 2</b>				
Rel-5	<i>current version:</i> none <i>freeze_meeting:</i> SP-15	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WRIGHT, Tim	Indicate persons who left Company and wait for new One	
	<i>history (event, available, version, comments):</i> SP-16 2002-06-24 5 . 0 . 0 SP-18: withdrawn.	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> POPE, Maurice		
		<a href="#">get it</a>	<i>remarks - general:</i> SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 & Rel-5 ->		
			<i>remarks - this release:</i> SP-18: decided FIGS is joint GERAN/UTRAN so -> 23.031. 23.031.		
<b>TS 43.035</b>	<b>Immediate Service Termination (IST); Stage 2</b>				
Rel-5	<i>current version:</i> none <i>freeze_meeting:</i> SP-15	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WRIGHT, Tim	Indicate persons who left Company and wait for new One	
	<i>history (event, available, version, comments):</i>	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> POPE, Maurice		
			<i>remarks - general:</i> SP-16: withdrawn in favour of 23.035.		
			<i>remarks - this release:</i> SP-16: withdrawn in favour of 23.035.		
<b>TR 43.900</b>	<b>Support for voice optimization for the IMS in the GERAN</b>				
Rel-5	<i>current version:</i> none <i>freeze_meeting:</i> GP-10	<i>WG (prime / other):</i> G1 /	<i>rapporteur:</i> GUARINO, Bernard	AT&T Wireless Services, Inc.	
	<i>history (event, available, version, comments):</i> GP-06 2003-06-17 1 . 0 . 0 GP-011962	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> USAI, Paolino		
		<a href="#">get it</a>	<i>remarks - general:</i> 2002-09-03: Transferred from G2 to G1.. GP-06: stopped.		
			<i>remarks - this release:</i> 2003-01-14: WG Secretary reports that this doc is unlikely to be completed. GP-06: stopped.		

G = required in systems with GERAN access; U = required in systems with UMTS access.



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WITHDRAWN specs Rel-5 50 .- series  
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Rel-5 **51** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/51\\_series](http://www.3gpp.org/ftp/Specs/archive/51_series)

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**TS 51.011 Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface**

Rel-5 *current version:* none *WG (prime / other):* T3 / - *rapporteur:* GUTHERY, Scott B. Mobile-Mind Inc.  
*freeze\_meeting:* TP-15 *G:* yes *U:* *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*

TP-14 2002-01-17 5 . 0 . 0 TP-16: Rel-5 version withdrawn!

[get it](#)

*remarks - general:* TP-14: talk of changing title to "Characteristics of the SIM application".  
*remarks - this release:* TP-16: Rel-5 version withdrawn.

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## Rel-4

Rel-4 **21** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/21\\_series](http://www.3gpp.org/ftp/Specs/archive/21_series)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.



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WITHDRAWN specs Rel-4 21 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/21\\_series](http://www.3gpp.org/ftp/Specs/archive/21_series)

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## TS 21.102 3rd Generation mobile system Release 4 specifications

Rel-4 *current version:* none *WG (prime / other):* SP / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* POPE, Maurice

*history (event, available, version, comments):*

SP-08	2000-06-30	1	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>	SP-20: Superseded by 21.101 Rel-4.
SP-10	2001-01-04	1	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i>	SP-20: Superseded by 21.101 Rel-4.
SP-11	2001-04-11	4	.	0	.	0		<a href="#">get it</a>		
SP-12	2001-07-05	4	.	1	.	0		<a href="#">get it</a>		
SP-13	2001-10-01	4	.	2	.	0		<a href="#">get it</a>		
SP-14	2002-01-03	4	.	3	.	0		<a href="#">get it</a>		
SP-15	2002-03-27	4	.	4	.	0		<a href="#">get it</a>		
SP-16	2002-06-19	4	.	5	.	0		<a href="#">get it</a>		
SP-17	2002-09-18	4	.	6	.	0		<a href="#">get it</a>		
SP-18	2003-01-03	4	.	7	.	0		<a href="#">get it</a>		
SP-19	2003-03-27	4	.	8	.	0		<a href="#">get it</a>		
SP-20	2003-06-25	4	.	9	.	0	withdrawn -> 21.101	<a href="#">get it</a>		

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Rel-4 22 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

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## TS 22.043 Support of Localized Service Area (SoLSA); Service description; Stage 1

Rel-4 *current version:* none *WG (prime / other):* S1 / - *rapporteur:* KOKKOLA, Tommi NOKIA Corporation  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

*remarks - general:* Transfer>TSG#4  
*remarks - this release:* TSG#11: Becomes 42.043 for Rel-4 (!).

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## TS 22.112 USIM toolkit interpreter; Stage 1

Rel-4 *current version:* none *WG (prime / other):* T3 / - *rapporteur:* MEYER, Michael GIESECKE & DEVRIENT GmbH  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* JURISIC, Andrijana

*history (event, available, version, comments):*

TP-10	2001-01-11	1	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>	
TP-11	2001-04-09	4	.	0	.	0	withdrawn TP-13	<a href="#">get it</a>	<i>remarks - this release:</i>	TP-13: Rel-4 withdrawn, since stage 2 not ready.

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs Rel-4 22 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

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## TS 22.227 Service requirements for the Open Service Access (OSA)

Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version, comments):*

*WG (prime / other):* S1 / - *rapporteur:* HELLSTROM, Gunnar Omnitor AB  
*G:* *U:* yes *MCC:* CLAYTON, Michael

*remarks - general:* Clayton Apr-2001: spec not required (see 22.127)  
*remarks - this release:* .

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## TR 22.976 Study on PS domain services and capabilities

Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version, comments):*

*WG (prime / other):* S1 / - *rapporteur:* CATALDO, Mark Openwave Systems (N.I.) Ltd  
*G:* *U:* yes *MCC:* CLAYTON, Michael

SP-07 2000-03-17 1 . 0 . 0 SP-000073 [get it](#) *remarks - general:* 2003-04-07 Clayton: scrapped.  
draft 2000-05-09 1 . 4 . 0 [get it](#) *remarks - this release:* 2001-12-04: Rel4->Rel-5 (Clayton).  
SP-08 2000-06-28 2 . 0 . 0 -> Rel-5. [get it](#)

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Rel-4 23 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/23\\_series](http://www.3gpp.org/ftp/Specs/archive/23_series)

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## TS 23.073 Support of Localised Service Area (SoLSA); Stage 2

Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version, comments):*

*WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo

NP-11 2001-04-04 4 . 0 . 0 SP-16: ->43.073 since applies to GERAN [get it](#) *remarks - general:* Transfer>TSG#4. 2001-10-09 Rapporteur changed from Ch Homann.  
systems only. *remarks - this release:* SP-16: ->43.073 since applies to GERAN systems only.

---

## TS 23.171 Location Services (LCS); Functional description; Stage 2 (UMTS)

Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version, comments):*

*WG (prime / other):* S2 / - *rapporteur:* WONG, Gavin VODAFONE Group Plc  
*G:* *U:* yes *MCC:* YOON, Sang-Ui

SP-11 2002-06-18 4 . 0 . 0 withdrawn [get it](#) *remarks - general:*  
*remarks - this release:* Kall: Apr-2001:Superseded by 23.271 for Rel-4.

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs Rel-4 23 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/23\\_series](http://www.3gpp.org/ftp/Specs/archive/23_series)

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<b>TS 23.207</b>	<b>End-to-end Quality of Service (QoS) concept and architecture</b>						
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> OYAMA, Johnson	Nippon Ericsson K.K.			
	<i>freeze_meeting:</i> SP-12	G: yes U: yes	<i>MCC:</i> YOON, Sang-Ui				
	<i>history (event, available, version, comments):</i>						
	SP-10 2001-01-31 1 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>		
	draft 2001-02-01 1 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> SP-12: becomes Rel-5		
	draft 2001-06-26 1 . 7 . 3			<a href="#">get it</a>			suspicious version number!
	SP-12 2001-06-26 2 . 0 . 0			<a href="#">get it</a>			S2-011123, SP-010337
<hr/>							
<b>TR 23.814</b>	<b>Separating RR and MM specific parts of the MS Classmark</b>						
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> YOKOTA, Fumihiko	Fujitsu Limited			
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> JORGENSEN, Per Johan				
	<i>history (event, available, version, comments):</i>						
	NP-11 4 . 0 . 0				<i>remarks - general:</i> New after TSG#5		
					<i>remarks - this release:</i> Jorgensen Apr-2001: Doubtful whether this should be upgraded to Rel-4. May-2001: N1#17 decided not to upgrade to Rel-4.		
<hr/>							
<b>TR 23.821</b>	<b>Architecture Principles for Reelase 2000</b>						
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> LIND, Christer	Indicate persons who left Company and wait for new One			
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> YOON, Sang-Ui				
	<i>history (event, available, version, comments):</i>						
	SP-08 2000-06-28 1 . 0 . 1			<a href="#">get it</a>	<i>remarks - general:</i> New after TSG#5. SP-20: stopped		
					<i>remarks - this release:</i> SP-20: stopped		
<hr/>							
<b>TR 23.874</b>	<b>Feasibility study of architecture for network requested PDP context activation with User-ID</b>						
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> KITADA, Yoshinori	NTT COMWARE Corporation			
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> YOON, Sang-Ui				
	<i>history (event, available, version, comments):</i>						
	SP-09 1 . 0 . 0				<i>remarks - general:</i> SP-20: stopped		
	draft 2000-11-08 1 . 2 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> SP-20: stopped		
	draft 2000-11-24 1 . 3 . 0			<a href="#">get it</a>			

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs Rel-4 23 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/23\\_series](http://www.3gpp.org/ftp/Specs/archive/23_series)

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<b>TR 23.907</b>	<b>Quality of Service (QoS) concept</b>				
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S2 /	<i>rapporteur:</i> VACANT,		
	<i>freeze_meeting:</i> SP-11	G: U: yes	MCC: YOON, Sang-Ui		
	<i>history (event, available, version, comments):</i>				
	draft 1998-11-15	0 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i> SP-20: stopped	
	draft 1999-01-15	0 . 2 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> SP-20: stopped	
	draft 1999-04-15	0 . 3 . 0	<a href="#">get it</a>		
	draft 1999-04-30	0 . 4 . 0	<a href="#">get it</a>		
	draft 1999-05-15	0 . 5 . 0	<a href="#">get it</a>		
	S2-05 1999-05-30	1 . 0 . 0	<a href="#">get it</a>		
	draft 1999-06-30	1 . 1 . 0	<a href="#">get it</a>		
	draft 1999-07-15	1 . 2 . 0	<a href="#">get it</a>		

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<b>TR 23.913</b>	<b>UMTS Turbo-Charger</b>				
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)	
	<i>freeze_meeting:</i> SP-11	G: U: yes	MCC: N, A		
	<i>history (event, available, version, comments):</i>				
	N1-06 1999-08-20	0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i> New after TSG#5	
	N1-07 1999-09-17	0 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release:</i> .	
	N1-08 1999-10-29	0 . 0 . 3	<a href="#">get it</a>		
	revision 1999-11-15	0 . 1 . 0	<a href="#">get it</a>		
	revision 1999-11-30	0 . 1 . 1	<a href="#">get it</a>		
	NP-06 1999-12-17	1 . 0 . 0	<a href="#">get it</a>		
	N1-09 1999-12-03	1 . 0 . 0	<a href="#">get it</a>		

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<b>TR 23.922</b>	<b>Architecture for an All IP network</b>				
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> DANIEL, Elizabeth	Lucent Technologies Network Systems UK	
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	MCC: YOON, Sang-Ui		
	<i>history (event, available, version, comments):</i>				
	SP-11	4 . 0 . 0		<i>remarks - general:</i> TSG#5: 1.0.0	
				<i>remarks - this release:</i> Sultan, Apr-2001: abandoned in early 2000. July-2001: replaced by 23,228.	

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<b>TR 23.923</b>	<b>Combined GSM and Mobile IP mobility handling in UMTS IP CN</b>				
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> HUBBARD, Elisabeth	TeliaSonera AB	
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	MCC: YOON, Sang-Ui		
	<i>history (event, available, version, comments):</i>				
	SP-11	4 . 0 . 0		<i>remarks - general:</i>	
				<i>remarks - this release:</i> Sultan Apr-2001: contents out of date, not appropriate for Rel-4.	

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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**TR 23.925 UMTS Core network based ATM transport**  
Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version, comments):*

*WG (prime / other):* S2 / - *rapporteur:* ROUZ, Adel FUJITSU Laboratories of Europe Limited  
*G:* yes *U:* yes *MCC:* YOON, Sang-Ui

*remarks - general:* Oct 00: S2 Secretary indicates this spec is out of date and should be withdrawn. SP-  
*remarks - this release:* SP-20: stopped 20: stopped

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**TR 23.972 Circuit switched multimedia telephony**  
Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version, comments):*  
NP-11 4 . 0 . 0 doa. Stick at R99.

*WG (prime / other):* N1 / - *rapporteur:* FARHOUMAND, Rouzbeh Ericsson Incorporated  
*G:* *U:* yes *MCC:* JORGENSEN, Per Johan

*remarks - general:* New after TSG#5. Minor title change TSG#7.  
*remarks - this release:* Jorgensen Apr-2001: Doubtful whether this should be upgraded to Rel-4. May-2001: N1#17 decided not to upgrade to Rel-4.

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Rel-4 **24** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/24\\_series](http://www.3gpp.org/ftp/Specs/archive/24_series)

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**TS 24.004 Layer 1 - General Requirements**  
Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version, comments):*  
GP-04 4 . 0 . 0

*WG (prime / other):* G2 / - *rapporteur:* THOMAS, Rémi France Telecom  
*G:* yes *U:* *MCC:* THOMASEN, Gert

*remarks - general:* Apr-2001: Not required. See 44.004.  
*remarks - this release:* Apr-2001: Not required. See 44.004.

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**TS 24.012 Short Message Service Cell Broadcast (SMS-CB) Support on the Mobile Radio Interface**  
Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version, comments):*

*WG (prime / other):* G2 / N2 *rapporteur:* AL -BAKRI, Ban MOTOROLA S.A.S  
*G:* yes *U:* yes *MCC:* THOMASEN, Gert

*remarks - general:* Transfer>TSG#4; N#9:proposed to scrap this spec and return it to 2g status (04.12  
*remarks - this release:* TSG#11: Replaced by 44.012 for Rel-4. R99) and shift responsibility to G2 (and should  
have been N2 anyway). Agreed to  
txfer to G2, but still as 24.012.

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs Rel-4 24 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/24\\_series](http://www.3gpp.org/ftp/Specs/archive/24_series)

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**TS 24.10U UMTS Interworking and internetworking signalling aspects; Requirements for provision of UMTS services via satellite access**  
Rel-4 *current version:* none *WG (prime / other):* - / *rapporteur:* N, A Indicate persons who left Company and wait for new  
*freeze\_meeting:* SP-11 One  
*history (event, available, version, comments):* G: U: MCC: N, A  
*remarks - general:*  
*remarks - this release:* .

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**TR 24.946 reserved**  
Rel-4 *current version:* none *WG (prime / other):* - / *rapporteur:* VACANT,  
*freeze\_meeting:* SP-11 G: U: yes MCC: N, A  
*history (event, available, version, comments):* *remarks - general:*  
*remarks - this release:*

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Rel-4 25 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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**TS 25.107 UTRA Repeater; Conformance testing**  
Rel-4 *current version:* none *WG (prime / other):* - / - *rapporteur:* NILSSON, Martin Indicate persons who left Company and wait for new  
*freeze\_meeting:* SP-11 One  
*history (event, available, version, comments):* G: U: yes MCC: N, A  
Start of work 2000-08-01 0 . 0 . 1 [get it](#) *remarks - general:* -> 25.143  
*remarks - this release:* Scrapped in favour of 25.143

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**TS 25.371 LMU signalling**  
Rel-4 *current version:* none *WG (prime / other):* - / - *rapporteur:* MOULY, Michel ARGUIN Communications  
*freeze\_meeting:* SP-07 G: U: yes MCC: N, A  
*history (event, available, version, comments):* *remarks - general:* Created Jan 00; wdrwn Apr00  
*remarks - this release:* First draft: Jan2000

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TR 25.835</b>	<b>Report on hybrid ARQ type II/III</b>								
Rel-4	<i>current version:</i> none								
	<i>freeze_meeting:</i>								
	<i>history (event, available, version, comments):</i>								
	RP-09 2000-10-16	1	.	0	.	0			
							<a href="#">get it</a>	<i>remarks - general:</i>	
								<i>remarks - this release:</i>	2002-02-25 (Van der Veen): WI abandoned, so spec withdrawn.
<hr/>									
<b>TR 25.837</b>	<b>Hybrid ARQ Type II/III (lub/lur aspects)</b>								
Rel-4	<i>current version:</i> none								
	<i>freeze_meeting:</i> SP-11								
	<i>history (event, available, version, comments):</i>								
	RP-09 2000-09-21	0	.	1	.	0			
							<a href="#">get it</a>	<i>remarks - general:</i>	
								<i>remarks - this release:</i>	RP-15 (past R3-31): No upgrade to Rel-5. RP-19: stopped.
<hr/>									
<b>TR 25.839</b>	<b>Uplink Synchronous Transmission Scheme (USTS) (lur/lub aspects)</b>								
Rel-4	<i>current version:</i> none								
	<i>freeze_meeting:</i> SP-11								
	<i>history (event, available, version, comments):</i>								
	RP-12 2001-07-05	0	.	2	.	0			
	RAN3 approved 2001-10-01	0	.	3	.	0			
									referred to at RP-13.
							<a href="#">get it</a>	<i>remarks - general:</i>	
							<a href="#">get it</a>	<i>remarks - this release:</i>	RP-15 (past R3-31): No upgrade to Rel-5. RP-19: stopped.
<hr/>									
<b>TR 25.842</b>	<b>Smart antenna</b>								
Rel-4	<i>current version:</i> none								
	<i>freeze_meeting:</i> SP-11								
	<i>history (event, available, version, comments):</i>								
	RP-09 2001-01-12	1	.	0	.	0			
									2003-11-28: WG Chairman indicates that this item is stopped.
							<a href="#">get it</a>	<i>remarks - general:</i>	2003-11-28: WG Chairman indicates that this item is stopped.
								<i>remarks - this release:</i>	.RP-15: Not to be promoted to Rel-5. Post-RP-20: info received that the corresponding work item was stopped at RP-10, so expect this TR to be scrapped at RP-21. 2003-11-28: WG Chairman indicates that this item is stopped.
<hr/>									
<b>TR 25.845</b>	<b>FDD RACH and AICH performance requirements</b>								
Rel-4	<i>current version:</i> none								
	<i>freeze_meeting:</i>								
	<i>history (event, available, version, comments):</i>								
	draft 2000-12-20	0	.	0	.	2			
	draft 2001-05-14	0	.	0	.	3			
									RP-17: withdrawn.
							<a href="#">get it</a>	<i>remarks - general:</i>	
							<a href="#">get it</a>	<i>remarks - this release:</i>	RP-15: Not to be promoted to Rel-5. RP-17: withdrawn.

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G = required in systems with GERAN access; U = required in systems with UMTS access.

<b>TR 25.846</b>	<b>CPCH performance</b>							
Rel-4	<i>current version:</i> none		<i>WG (prime / other):</i> R4 / -		<i>rapporteur:</i>			
	<i>freeze_meeting:</i> SP-11		G: U: yes		<i>MCC:</i>	GUTIERREZ MIGUELEZ, Cesar		
	<i>history (event, available, version, comments):</i>						<i>remarks - general:</i> 2001-02-13: scrapped	
							<i>remarks - this release:</i> .	
<b>TR 25.852</b>	<b>lu enhancements for IP Multimedia (IMS) support in UTRAN</b>							
Rel-4	<i>current version:</i> none		<i>WG (prime / other):</i> R3 /		<i>rapporteur:</i>	GODIN, Philippe NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> SP-11		G: U: yes		<i>MCC:</i>	CALDENHOVEN, Juergen		
	<i>history (event, available, version, comments):</i>							
	RP-11 2001-04-06 0 . 0 . 0		<a href="#">get it</a>				<i>remarks - general:</i> 2003-09-08: Title changed from "Radio access bearer support enhancements for the	
	draft 2003-11-12 0 . 1 . 2 R3-031545		<a href="#">get it</a>				<i>remarks - this release:</i> RP-15: No upgrade to Rel-5. RP-19: future to be discussed R3-35. TP-20: to Rel-6.	
	lu".							
<b>TR 25.924</b>	<b>Opportunity Driven Multiple Access (ODMA)</b>							
Rel-4	<i>current version:</i> none		<i>WG (prime / other):</i> R2 / -		<i>rapporteur:</i>	LAW, Alan VODAFONE LTD		
	<i>freeze_meeting:</i> SP-11		G: U: yes		<i>MCC:</i>	ARZELIER, Claude		
	<i>history (event, available, version, comments):</i>							
	RP-03 1999-04-23 0 . 0 . 1		<a href="#">get it</a>				<i>remarks - general:</i>	
	RP-04 1999-06-23 0 . 1 . 0		<a href="#">get it</a>				<i>remarks - this release:</i> 2002-01-23: .WG Secretary reports that this is really R99. Watch this space. 2002-02-25 (Van der Veen): No further interest, so spec withdrawn.	
	RP-05 1999-10-13 0 . 2 . 0		<a href="#">get it</a>					
	RP-06 1999-12-17 1 . 0 . 0		<a href="#">get it</a>					
<b>TR 25.932</b>	<b>Delay budget within the access stratum</b>							
Rel-4	<i>current version:</i> none		<i>WG (prime / other):</i> R3 / -		<i>rapporteur:</i>	PENAS, Enrico MOTOROLA Ltd		
	<i>freeze_meeting:</i> SP-11		G: U: yes		<i>MCC:</i>	CALDENHOVEN, Juergen		
	<i>history (event, available, version, comments):</i>							
	RP-08 2000-06-23 1 . 0 . 0		<a href="#">get it</a>				<i>remarks - general:</i> ->25.853 @ TSG#10.	
	RP-09 2000-10-05 1 . 1 . 0		<a href="#">get it</a>				<i>remarks - this release:</i> TSG#10:2.0.0; approved renumbered as 25.853.	
	RP-10 2001-01-22 2 . 0 . 0		<a href="#">get it</a>					



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<b>TR 25.933</b>	<b>IP transport in UTRAN</b>								
Rel-4	<i>current version:</i> none								
	<i>freeze_meeting:</i> RP-15								
	<i>history (event, available, version, comments):</i>								
	draft 2000-05-15	0	0	1				<a href="#">get it</a>	<i>remarks - general:</i>
	R3-13 2000-06-15	0	1	0				<a href="#">get it</a>	<i>remarks - this release:</i> 2001-12-05: Rel-4 abandoned in favour of Rel-5 (Drevon).
	R3-13 2000-07-15	0	1	1				<a href="#">get it</a>	
	RP-09 2000-08-15	0	2	0				<a href="#">get it</a>	
	RP-10 2000-12-21	0	4	0	RP-000644			<a href="#">get it</a>	
	RP-11 2001-04-06	1	0	0				<a href="#">get it</a>	
	RP-12 2001-07-05	1	1	0	RP-010425			<a href="#">get it</a>	
	RP-13 2001-10-01	1	4	0	RP-010642			<a href="#">get it</a>	
	draft 2001-11-13	1	4	1	to Rel-5			<a href="#">get it</a>	
	RP-14 2001-12-06	1	5	0	RP-010876			<a href="#">get it</a>	
	draft 2002-01-02	1	5	1				<a href="#">get it</a>	
	RP-15 2002-03-19	1	7	1	RP-020136, withdrawn			<a href="#">get it</a>	
	RP-15 2002-03-19	2	0	0	RP-020137			<a href="#">get it</a>	

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<b>TR 25.938</b>	<b>Terminal power saving features</b>								
Rel-4	<i>current version:</i> none								
	<i>freeze_meeting:</i> SP-11								
	<i>history (event, available, version, comments):</i>								
	draft 2000-08-15	0	0	1				<a href="#">get it</a>	<i>remarks - general:</i> R3-27: abandoned.
	draft 2000-10-05	0	1	0				<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: Withdrawal confirmed.
	RP-10 2000-12-21	0	1	1	RP-000654			<a href="#">get it</a>	
	RP-11 2001-04-06	2	0	0	R3-27: abandoned, confirmed RP-15.			<a href="#">get it</a>	

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<b>TR 25.951</b>	<b>Base Station (BS) classification (FDD)</b>								
Rel-4	<i>current version:</i> none								
	<i>freeze_meeting:</i> SP-11								
	<i>history (event, available, version, comments):</i>								
	R4-13 2000-11-21	0	0	1	R4-000572			<a href="#">get it</a>	<i>remarks - general:</i>
	RP-10 2000-12-21	1	0	0	RP-000598			<a href="#">get it</a>	<i>remarks - this release:</i> 2002-01-24: Gutierrez: moved to Rel-5
	R4-16	1	0	1	R4-010257				
	RP-13 2001-10-01	1	1	0	RP-010681			<a href="#">get it</a>	

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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**TR 25.952 Base Station classification (TDD)**  
Rel-4 *current version:* none  
*freeze\_meeting:*  
*history (event, available, version, comments):*

draft	2000-11-21	0	0	1
RP-10	2000-12-21	1	0	0
RP-11	2001-04-10	1	1	0

*WG (prime / other):* R4 / - *rapporteur:* AXNESS, Timothy INTERDIGITAL COMMUNICATIONS CORPORATION  
*G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* -> Rel-5  
[get it](#)

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**TR 25.998 UTRAN recommendation and UE allowance for non-essential corrections of a feature made only in a later release**  
Rel-4 *current version:* none  
*freeze\_meeting:*  
*history (event, available, version, comments):*

*WG (prime / other):* R2 / *rapporteur:* FAUCONNIER, Denis NORTEL NETWORKS (EUROPE)  
*G:* *U:* yes *MCC:* ARZELIER, Claude

*remarks - general:* This is NOT the same as 25.995! Title to be reviewed. RP-23: RAN rejected the notion  
*remarks - this release:* No technical contents, merely a pointer to the latest Release version. of this TR, so

stopped.

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Rel-4 **26** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/26\\_series](http://www.3gpp.org/ftp/Specs/archive/26_series)

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**TR 26.078 Results of the AMR noise suppression selection phase**  
Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version, comments):*

SP-11		4	0	0
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*WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*G:* *U:* yes *MCC:* USAI, Paolino

*remarks - general:* Replaced by 26.978.  
*remarks - this release:* Replaced by 26.978.

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**TS 26.226 Global text telephony (GTT);Transport of text in the voice channel**  
Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version, comments):*

SP-08	2000-06-23	0	0	0
SP-09	2000-10-18	0	0	9
draft	2000-10-24	0	0	10
SP-10	2000-12-21	4	0	0

*WG (prime / other):* S4 / - *rapporteur:* HELLSTROM, Gunnar Omnitor AB  
*G:* yes *U:* yes *MCC:* USAI, Paolino

[get it](#) *remarks - general:* SP-16: in "GERAN" set.  
[get it](#) *remarks - this release:* TSG#11:withdrawn->rel-5  
[get it](#)  
[get it](#)

G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs Rel-4 26 .- series  
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<b>TS 26.230</b>	<b>Global text telephony (GTT); Cellular text telephone modem transmitter C-code description</b>					
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> HELLSTROM, Gunnar	Omnicor AB		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-10 2000-12-21 4 . 0 . 0				SP-000750	<i>remarks - general:</i> SP-16: in "GERAN" set.
		<a href="#">get it</a>				<i>remarks - this release:</i> TSG#10:2.0.0=SP-000570(Rel-5)->Rel-4; TSG#11:withdrawn, to be Rel-5 only.
<hr/>						
<b>TS 26.235</b>	<b>Packet switched conversational multimedia applications; Default codecs</b>					
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> OJALA, Pasi	Nokia Research Center		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	draft 2000-10-01 0 . 0 . 1	<a href="#">get it</a>				<i>remarks - general:</i>
	draft 2000-11-16 0 . 0 . 2	<a href="#">get it</a>				<i>remarks - this release:</i> SP-12: withdrawn from Rel-4, moved to Rel-5.
	SP-10 2000-12-21 1 . 0 . 0	<a href="#">get it</a>			NP-000567	
	SP-11 2001-04-10 4 . 0 . 0	<a href="#">get it</a>				
	SP-12 2001-04-10 4 . 1 . 0					immediately withdrawn, becomes Rel-5
<hr/>						
<b>TR 26.913</b>	<b>Quantitative performance evaluation of real-time packet switched multimedia services over 3G</b>					
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> HONKO, Harri	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
						<i>remarks - general:</i>
						<i>remarks - this release:</i> No work, will never appear as 4.0.0 (Usai, Mar 2001)
<hr/>						
<b>TR 26.920</b>	<b>Architectural Model for the 3G Transcoders</b>					
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> NAVARRO, William	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version, comments):</i>					
	SP-03 1999-04-26 0 . 1 . 1	<a href="#">get it</a>				<i>remarks - general:</i> 2000-01-22: S4 TFO group discontinues work on this report.
						<i>remarks - this release:</i> .

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Rel-4 28 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/28\\_series](http://www.3gpp.org/ftp/Specs/archive/28_series)

G = required in systems with GERAN access; U = required in systems with UMTS access.

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## TS 28.020 Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface

Rel-4 *current version:* none *WG (prime / other):* N3 / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*freeze\_meeting:* SP-11 G: U: yes *MCC:* BOSWARTHICK, David  
*history (event, available, version, comments):*

*remarks - general:*  
*remarks - this release:* 2001-11-07: Boswarthick: Not required for Rel-4.

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Rel-4 29 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/29\\_series](http://www.3gpp.org/ftp/Specs/archive/29_series)

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## TR 29.993 Modifications to be incorporated in equipment to cater for errors in the standards

Rel-4 *current version:* none *WG (prime / other):* RP / - *rapporteur:* COURAU, François ALCATEL S.A.  
*freeze\_meeting:* G: yes U: yes *MCC:* GUTIERREZ MIGUELEZ, Cesar  
*history (event, available, version, comments):*

*remarks - general:* RP-19: stopped.  
*remarks - this release:* .

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Rel-4 30 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/30\\_series](http://www.3gpp.org/ftp/Specs/archive/30_series)

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## TR 30.002 Guidelines for the modification of the Mobile Application Part (MAP)

Rel-4 *current version:* none *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich Gesellschaft für Kommunikations Software  
*freeze\_meeting:* NP-11 G: yes U: yes *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*

NP-09 2000-11-08 4 . 0 . 0 [get it](#) *remarks - general:* NP-19: renumbered to 30.902 to avoid confusion with old SMG 30.0x series UMTS  
TR no. corrected 2001-02-02 4 . 0 . 1 NP-19: Replaced by 30.902 v4.0.2. [get it](#) *remarks - this release:* 2002-03-10: WG Chairman: Unwithdrawn. post-NP-16: No Rel-5 needed. studies.

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs Rel-4 30 .- series  
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<b>TR 30.504</b>	<b>Work Plan and Study Items - RAN WG4</b>					
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> R4 / -	<i>rapporteur:</i> IWASA, Masaaki	MOTOROLA JAPAN LTD		
	<i>freeze_meeting:</i> SP-11	G: U: yes	MCC: GUTIERREZ MIGUELEZ, Cesar			
	<i>history (event, available, version, comments):</i>					
	RP-03 1999-04-23 0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> RP-20: stopped			
	draft 2000-12-21 0 . 8 . 6	<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: Not to be promoted to Rel-5. RP-20: stopped			
	RP-04 1999-06-23 1 . 0 . 0	<a href="#">get it</a>				
	RP-05 1999-10-13 1 . 4 . 0	<a href="#">get it</a>				
	RP-06 1999-12-17 2 . 0 . 0	<a href="#">get it</a>				
	RP-08 2000-06-23 2 . 2 . 0	<a href="#">get it</a>				

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<b>TR 30.801</b>	<b>Overall Project Plan</b>					
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> SULTAN, Alain	SOURCE COM		
	<i>freeze_meeting:</i> SP-11	G: U: yes	MCC: YOON, Sang-Ui			
	<i>history (event, available, version, comments):</i>					
	draft 1999-07-30 0 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	draft 1999-08-30 0 . 2 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> TSG#11: Work stopped.			
	draft 1999-09-30 0 . 3 . 0	<a href="#">get it</a>				
	SP-05 1999-10-13 1 . 0 . 0	<a href="#">get it</a>				
	draft 1999-12-02 1 . 1 . 0	<a href="#">get it</a>				

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<b>TR 30.802</b>	<b>Project plan on Bearer Services and QoS</b>					
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> LOPEZ-TORRES, Oscar	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> SP-11	G: U: yes	MCC: YOON, Sang-Ui			
	<i>history (event, available, version, comments):</i>					
	SP-05 1999-10-13 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-09 4 . 0 . 0		<i>remarks - this release:</i> 2001-02-02: In Nov-00, mistakenly put up 30.002 v4.0.0 under this number; now removed. TSG#11: Work stopped.			

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<b>TR 30.804</b>	<b>Project plan on GSM/UMTS Interoperation and Mobility Management</b>					
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> COURAU, François	ALCATEL S.A.		
	<i>freeze_meeting:</i> SP-11	G: U: yes	MCC: YOON, Sang-Ui			
	<i>history (event, available, version, comments):</i>					
	SP-05 1999-10-13 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> TSG#11: Work stopped.			

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<b>TR 30.806</b>	<b>Project plan on Location based services</b>					
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> KÄLL, Jan		NOKIA Corporation	
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> YOON, Sang-Ui			
	<i>history (event, available, version, comments):</i>					
	SP-05 1999-10-13 1 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i> TSG#11: Work stopped.	
<hr/>						
<b>TR 30.808</b>	<b>Project plan on Packet Architecture and Circuit Architecture</b>					
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> DROPMANN, Ulrich		SIEMENS AG	
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> YOON, Sang-Ui			
	<i>history (event, available, version, comments):</i>					
	SP-05 1999-10-13 1 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i> TSG#11: Work stopped.	
<hr/>						
<b>TR 30.810</b>	<b>Project plan on Security</b>					
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> PUDNEY, Chris		VODAFONE Group Plc	
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> YOON, Sang-Ui			
	<i>history (event, available, version, comments):</i>					
	SP-05 1999-10-24 1 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i> TSG#11: Work stopped.	
<hr/>						
<b>TR 30.812</b>	<b>Project plan on Services and Service platforms</b>					
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> SCHMERSEL, Rob		CELLPOINT SYSTEMS AB	
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> YOON, Sang-Ui			
	<i>history (event, available, version, comments):</i>					
	SP-05 1999-10-13 1 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i> TSG#11: Work stopped.	

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Rel-4 **31** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/31\\_series](http://www.3gpp.org/ftp/Specs/archive/31_series)

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**TS 31.900 SIM/USIM internal and external interworking aspects**  
Rel-4 *current version:* none *WG (prime / other):* T3 / *rapporteur:* KALINER, Stefan T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* SP-15 *G:* *U:* yes *MCC:* JURISIC, Andrijana  
*history (event, available, version, comments):*  
TP-15 2002-03-28 4 . 0 . 0 TP-16: withdrawn; only Rel-5 remains [get it](#) *remarks - general:*  
valid. *remarks - this release:* TP-16: withdrawn; only Rel-5 remains valid.

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Rel-4 **32** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/32\\_series](http://www.3gpp.org/ftp/Specs/archive/32_series)

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**TS 32.104 Telecommunication management; 3G Performance Management**  
Rel-4 *current version:* none *WG (prime / other):* S5 / - *rapporteur:* HÜBINETTE, Ulf Telefon AB LM Ericsson  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*  
SP-11 2001-03-28 4 . 0 . 0 withdrawn SP-12 [get it](#) *remarks - general:*  
*remarks - this release:* SP-12: Split into several specs. 32.401, '402, '403.

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**TS 32.105 3G charging and billing; Stage 2 description**  
Rel-4 *current version:* none *WG (prime / other):* S5 / - *rapporteur:* KOBYLARZ, Thaddeus AT&T Corp.  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*  
SP-06 1999-12-17 0 . 0 . 1 [get it](#) *remarks - general:*  
SP-08 2000-06-23 0 . 0 . 2 [get it](#) *remarks - this release:* New at SP-06. SP-10:R99 version scrapped, will be Rel-4. SP-12: Rel-4 withdrawn.  
SP-09 2000-09-28 0 . 0 . 3 [get it](#)  
draft 2000-10-10 0 . 0 . 4 SP-12: Rel-4 withdrawn. [get it](#)

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**TS 32.106-1 Telecommunication management; Configuration Management (CM); Part 1: Concept and requirements**  
Rel-4 *current version:* none *WG (prime / other):* S5 / - *rapporteur:* PIRT, Trevor MOTOROLA Ltd  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*  
SP-11 2001-03-28 4 . 0 . 0 SP-12: withdrawn. [get it](#) *remarks - general:* SP-08: split into eight parts  
*remarks - this release:* SP-12: withdrawn. See 32.300.

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<b>TS 32.106-2</b>	<b>Telecommunication management; Configuration Management (CM); Part 2: Notification Integration Reference Point (IRP); Information Service (IS)</b>			
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TSE, Edwin	Ericsson Incorporated
	<i>freeze_meeting:</i> SP-12	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian	
<i>history (event, available, version, comments):</i>				
<i>remarks - general:</i> TSG#8: split into eight parts				
<i>remarks - this release:</i> SP-12: withdrawn.				

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<b>TS 32.106-3</b>	<b>Telecommunication management; Configuration Management (CM); Part 3: Notification Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA)</b>			
Rel-4	<i>current version:</i> <b>Solution Set (SS)</b>	none	<i>WG (prime / other):</i> S5	/- <i>rapporteur:</i> TSE, Edwin
	Ericsson Incorporated			
	<i>freeze_meeting:</i> SP-12	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian	
<i>history (event, available, version, comments):</i>				
<i>remarks - general:</i> TSG#8: split into eight parts				
<i>remarks - this release:</i> SP-12: withdrawn.				

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<b>TS 32.106-4</b>	<b>Telecommunication management; Configuration Management (CM); Part 4: Notification Integration Reference Point (IRP); Common Management Information Protocol (CMIP)</b>			
Rel-4	<i>current version:</i> <b>Solution Set (SS)</b>	none	<i>WG (prime / other):</i> S5	/- <i>rapporteur:</i> POLLAKOWSKI, Olaf
	SIEMENS AG			
	<i>freeze_meeting:</i> SP-12	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian	
<i>history (event, available, version, comments):</i>				
<i>remarks - general:</i> TSG#8: split into eight parts				
<i>remarks - this release:</i> SP-12: withdrawn.				

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<b>TS 32.106-5</b>	<b>Telecommunication management; Configuration Management (CM); Part 5: Basic CM Integration Reference Point (IRP); Information model (including Network Resource Model)</b>			
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOVINGER, Thomas	Telefon AB LM Ericsson
	<i>freeze_meeting:</i> SP-12	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian	
<i>history (event, available, version, comments):</i>				
<i>remarks - general:</i> TSG#8: split into eight parts				
<i>remarks - this release:</i> SP-12: withdrawn.				

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<b>TS 32.106-6</b>	<b>Telecommunication management; Configuration Management (CM); Part 6: Basic CM Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA)</b>			
Rel-4	<i>current version:</i> <b>Solution Set (SS)</b>	none	<i>WG (prime / other):</i> S5	/- <i>rapporteur:</i> POLLAKOWSKI, Olaf
	SIEMENS AG			
	<i>freeze_meeting:</i> SP-12	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian	
<i>history (event, available, version, comments):</i>				
<i>remarks - general:</i> TSG#8: split into eight parts				
<i>remarks - this release:</i> SP-12: withdrawn.				

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<b>TS 32.106-7</b>	<b>Telecommunication management; Configuration Management (CM); Part 7: Basic CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP)</b>								
Rel-4	<i>current version:</i> Solution Set (SS)	none	<i>WG (prime / other):</i>	S5	/-	<i>rapporteur:</i>	POLLAKOWSKI, Olaf		
	SIEMENS AG								
	<i>freeze_meeting:</i> SP-12	G: yes	U: yes	<i>MCC:</i>	ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i>	TSG#8: split into eight parts				
				<i>remarks - this release:</i>	SP-12: withdrawn.				
<hr/>									
<b>TS 32.106-8</b>	<b>Telecommunication management; Configuration Management (CM); Part 8: Name convention for Managed Objects</b>								
Rel-4	<i>current version:</i> none		<i>WG (prime / other):</i>	S5	/-	<i>rapporteur:</i>	TOVINGER, Thomas Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-11		G: yes	U: yes	<i>MCC:</i>	ZOICAS, Adrian			
	<i>history (event, available, version, comments):</i>			<a href="#">get it</a>	<i>remarks - general:</i>	TSG#8: split into eight parts			
	SP-11 2001-03-28 4 . 0 . 0				<i>remarks - this release:</i>	SP-12: withdrawn. See 32.600.			
<hr/>									
<b>TS 32.111</b>	<b>3G Fault Management</b>								
Rel-4	<i>current version:</i> none		<i>WG (prime / other):</i>	S5	/-	<i>rapporteur:</i>	CICCHITTO, Gaetano SIEMENS Mobile Communications S.p.A.		
	<i>freeze_meeting:</i> SP-11		G:	U: yes	<i>MCC:</i>	ZOICAS, Adrian			
	<i>history (event, available, version, comments):</i>			<a href="#">get it</a>	<i>remarks - general:</i>	TSG#8: split into 4 parts			
	SP-11 2001-03-28 4 . 0 . 0				<i>remarks - this release:</i>	.			
<hr/>									
<b>TS 32.112-1</b>	<b>Telecommunication management; Generic Integration Reference Point (IRP) management; Part 1: Requirements</b>								
Rel-4	<i>current version:</i> none		<i>WG (prime / other):</i>	S5	/	<i>rapporteur:</i>	N, A Indicate persons who left Company and wait for new One		
	<i>freeze_meeting:</i>		G:	U: yes	<i>MCC:</i>	ZOICAS, Adrian			
	<i>history (event, available, version, comments):</i>				<i>remarks - general:</i>	SP-12: stopped. See 32.311.			
	SP-12 2 . 0 . 0				<i>remarks - this release:</i>	.			
<hr/>									
<b>TS 32.112-2</b>	<b>Telecommunication management; Generic Integration Reference Point (IRP) management; Part 2: Information service</b>								
Rel-4	<i>current version:</i> none		<i>WG (prime / other):</i>	S2	/	<i>rapporteur:</i>	N, A Indicate persons who left Company and wait for new One		
	<i>freeze_meeting:</i>		G:	U: yes	<i>MCC:</i>	YOON, Sang Ui			
	<i>history (event, available, version, comments):</i>				<i>remarks - general:</i>	SP-12: stopped. See 32.312.			
	SP-12 2 . 0 . 0				<i>remarks - this release:</i>	.			

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<b>TS 32.140</b>	<b>Telecommunication management; Subscription Management (SuM) requirements</b>								
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i>	S5 / -	<i>rapporteur:</i>	ISLIP, John	Lucent Technologies Network Systems UK			
	<i>freeze_meeting:</i> NP-13	G:	yes	<i>U:</i>	yes	<i>MCC:</i>	ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>								
	draft 2000-08-01	0	.	1	.	0			
		<a href="#">get it</a>		<i>remarks - general:</i>	2004-03-29: S5 Project Manager: "services operations management" removed from title.				
				<i>remarks - this release:</i>	TSG#8:0.1.0 but associated WI not approved. SP-12: moved to rel-5.				
<hr/>									
<b>TS 32.301-1</b>	<b>Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): requirements</b>								
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i>	S5 / -	<i>rapporteur:</i>	PIRT, Trevor	MOTOROLA Ltd			
	<i>freeze_meeting:</i> SP-11	G:		<i>U:</i>	yes	<i>MCC:</i>	ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>								
	SP-12 2001-06-18	2	.	0	.	0			
		<a href="#">get it</a>		<i>remarks - general:</i>	Replaces 32.106 (pars). SP-12: stopped. See 32.301.				
				<i>remarks - this release:</i>	.				
<hr/>									
<b>TS 32.301-2</b>	<b>Telecommunication management; Configuration Management (CM); Part 2: Notification Integration Reference Point (IRP): Information Service</b>								
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i>	S5 / -	<i>rapporteur:</i>	TSE, Edwin	Ericsson Incorporated			
	<i>freeze_meeting:</i> SP-11	G:		<i>U:</i>	yes	<i>MCC:</i>	ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>								
	SP-12 2001-06-18	2	.	0	.	0			
		<a href="#">get it</a>		<i>remarks - general:</i>	Replaces 32.106- 2SP-12: stopped. See 32.302.				
				<i>remarks - this release:</i>	.				
<hr/>									
<b>TS 32.301-3</b>	<b>Telecommunication management; Configuration Management (CM); Part 3: Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA)</b>								
Rel-4	<i>current version:</i> <b>solution set</b>	<i>WG (prime / other):</i>	none	<i>WG (prime / other):</i>	S5	/-	<i>rapporteur:</i>	SCHEER, Randal	Lucent Technologies
	<i>freeze_meeting:</i> SP-11	G:		<i>U:</i>	yes	<i>MCC:</i>	ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>								
	SP-12 2001-06-18	2	.	0	.	0			
		<a href="#">get it</a>		<i>remarks - general:</i>	Replaces 32.106-3 SP-12: stopped. See 32.303.				
				<i>remarks - this release:</i>	.				
<hr/>									
<b>TS 32.301-4</b>	<b>Telecommunication management; Configuration Management (CM); Part 4: Notification Integration Reference Point: Common Management Information Protocol (CMIP) solution</b>								
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i>	S5 / -	<i>rapporteur:</i>	POLLAKOWSKI, Olaf	SIEMENS AG			
	<i>freeze_meeting:</i>	G:		<i>U:</i>	yes	<i>MCC:</i>	ZOICAS, Adrian		
	<i>history (event, available, version, comments):</i>								
	SP-12 2001-06-18	2	.	0	.	0			
		<a href="#">get it</a>		<i>remarks - general:</i>	Replaces 32.106-4 SP-12: stopped. See 32..304.				
				<i>remarks - this release:</i>	.				

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<b>TS 32.312-1</b>	<b>Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements</b>								
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> N, A						Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i> SP-11								
	<i>history (event, available, version, comments):</i>	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
								<i>remarks - general:</i> -> 32.111	
								<i>remarks - this release:</i> .	
<hr/>									
<b>TS 32.402</b>	<b>Telecommunication management; Performance Management (PM); Performance measurements - GSM</b>								
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> NENNER, Karl-Heinz	T-MOBILE DEUTSCHLAND					
	<i>freeze_meeting:</i>	G: yes U:	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-12 2001-06-21 1 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i> was 32.104 (pars). SP-13: replaced by 52.402.		
	SP-13 2001-10-11 2 . 0 . 0	SP-010467 approved as 52.042				<a href="#">get it</a>	<i>remarks - this release:</i>		
<hr/>									
<b>TS 32.601-1</b>	<b>Telecommunication management; Configuration Management (CM); Part 1: Basic CM Integration Reference Point (IRP): requirements</b>								
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> WILBER, John						
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-12 2001-06-18 2 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i> Replaces 32.106 (pars). SP-12: stopped. See 32.601.		
							<i>remarks - this release:</i> .		
<hr/>									
<b>TS 32.601-2</b>	<b>Telecommunication management; Configuration Management (CM); Part 2: Basic CM Integration Reference Point (IRP) information model</b>								
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOVINGER, Thomas	Telefon AB LM Ericsson					
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-12 2001-06-18 2 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i> Replaces 32.106-5 (pars) SP-12: stopped. See 32.602.		
							<i>remarks - this release:</i> .		
<hr/>									
<b>TS 32.601-3</b>	<b>Telecommunication management; Configuration Management (CM); Part 3: Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA)</b>								
Rel-4	<i>current version:</i> solution set	none	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> POLLAKOWSKI, Olaf					
	SIEMENS AG								
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version, comments):</i>								
	SP-12 2001-06-18 2 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i> Replaces 32.106-6 (pars) SP-12: stopped. See 32.603.		
							<i>remarks - this release:</i> .		

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<b>TS 32.601-4</b>	<b>Telecommunication management; Configuration Management (CM); Part 4: Basic CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP)</b>				
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOVINGER, Thomas	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i>	G: U: yes	MCC:	ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>				
	SP-12 2001-06-18 2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Replaces 32.107 (pars) SP-12: stopped. See 32.604.	
			<i>remarks - this release:</i>	.	
<hr/>					
<b>TS 32.602-1</b>	<b>Telecommunication management; Configuration Management (CM); CMt: Bulk CM Integration Reference Point (IRP) requirements</b>				
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> N, A	Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i>	G: U: yes	MCC:	ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>				
	SP-12 2001-06-18 2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	SP-12: stopped. See 32.611.	
			<i>remarks - this release:</i>	.	
<hr/>					
<b>TS 32.602-2</b>	<b>Telecommunication management; Configuration Management (CM); CMt: Bulk Configuration Management Integration Reference Point (IRP): Information service</b>				
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> N, A	Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i>	G: U: yes	MCC:	ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>				
	SP-12 2001-06-18 2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	SP-12: stopped. See 32.612.	
			<i>remarks - this release:</i>	.	
<hr/>					
<b>TS 32.602-3</b>	<b>Telecommunication management; Configuration Management (CM); CM: Bulk Configuration Management Integration Reference Point (IRP): Common Object Request Broker</b>				
Rel-4	<i>current version:</i> <b>Architecture (CORBA) solution set</b>	none	<i>WG (prime / other):</i> S5	<i>/ rapporteur:</i> BONNEAU, Frédéric	
	NORTEL NETWORKS (EUROPE)				
	<i>freeze_meeting:</i>	G: U: yes	MCC:	ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>				
	SP-12 2001-06-18 2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	SP-12: stopped. See 32.613.	
			<i>remarks - this release:</i>	.	
<hr/>					
<b>TS 32.602-4</b>	<b>Telecommunication management; Configuration Management (CM); CM: Bulk Configuration Management Integration Reference Point (IRP): Common Management Information</b>				
Rel-4	<i>current version:</i> <b>Protocol (CMIP) solution set</b>	none	<i>WG (prime / other):</i> S5	<i>/ rapporteur:</i> POLLAKOWSKI, Olaf	
	SIEMENS AG				
	<i>freeze_meeting:</i>	G: U: yes	MCC:	ZOICAS, Adrian	
	<i>history (event, available, version, comments):</i>				
	SP-12 2001-06-18 2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	SP-12: stopped. See 32.614.	
			<i>remarks - this release:</i>	.	

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<b>TS 32.602-5</b>	<b>Telecommunication management; Configuration Management (CM); CM: Bulk Configuration Management Integration Reference Point (IRP): XML file format definition</b>			
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> N, A	Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i>	G:	U: yes	<i>MCC:</i> ZOICAS, Adrian
	<i>history (event, available, version, comments):</i>			
	SP-12 2001-06-18 2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	SP-12: stopped. See 32.615.
			<i>remarks - this release:</i>	.
<hr/>				
<b>TS 32.620-1</b>	<b>Telecommunication management; Configuration Management (CM); Part 1: Generic network resources Integration Reference Point (IRP): requirements</b>			
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PIRT, Trevor	MOTOROLA Ltd
	<i>freeze_meeting:</i>	G: yes	U: yes	<i>MCC:</i> ZOICAS, Adrian
	<i>history (event, available, version, comments):</i>			
	SP-12 2001-06-18 2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Replaces 32.106 (pars).SP-12: stopped. See 32.621.
			<i>remarks - this release:</i>	.
<hr/>				
<b>TS 32.620-2</b>	<b>Telecommunication management; Configuration Management (CM); Part 2: Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)</b>			
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOVINGER, Thomas	Telefon AB LM Ericsson
	<i>freeze_meeting:</i>	G: yes	U: yes	<i>MCC:</i> ZOICAS, Adrian
	<i>history (event, available, version, comments):</i>			
	SP-12 2001-06-18 2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Replaces 32.106-5 (pars )SP-12: stopped. See 32.622.
			<i>remarks - this release:</i>	.
<hr/>				
<b>TS 32.620-3</b>	<b>Telecommunication management; Configuration Management (CM); Part 3: Generic network resources Integration Reference Point (IRP): Common Object Request Broker</b>			
Rel-4	<i>current version:</i> <b>Architecture (CORBA) solution set</b>	none	<i>WG (prime / other):</i> S5	/- <i>rapporteur:</i> POLLAKOWSKI, Olaf
	SIEMENS AG			
	<i>freeze_meeting:</i>	G: yes	U: yes	<i>MCC:</i> ZOICAS, Adrian
	<i>history (event, available, version, comments):</i>			
	SP-12 2001-06-18 2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Replaces 32.106-6 (pars) SP-12: stopped. See 32.623.
			<i>remarks - this release:</i>	.
<hr/>				
<b>TS 32.620-4</b>	<b>Telecommunication management; Configuration Management (CM); Part 4: Generic network resources: Integration Reference Point (IRP) Common Management Information</b>			
Rel-4	<i>current version:</i> <b>Protocol (CMIP) solution set</b>	none	<i>WG (prime / other):</i> S5	/- <i>rapporteur:</i> TOVINGER, Thomas
	Telefon AB LM Ericsson			
	<i>freeze_meeting:</i>	G: yes	U: yes	<i>MCC:</i> ZOICAS, Adrian
	<i>history (event, available, version, comments):</i>			
	SP-12 2001-06-18 2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Replaces 32.107 (pars) SP-12: stopped. See 32.624.
			<i>remarks - this release:</i>	.

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<b>TS 32.621-1</b>	<b>Telecommunication management; Configuration Management (CM); Part 1: Core network resources Integration Reference Point (IRP): requirements</b>								
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PIRT, Trevor		MOTOROLA Ltd				
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i>		ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	SP-12 2001-06-18 2 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	Replaces 32.106 (pars).SP-12: stopped. See 32.631.			
					<i>remarks - this release:</i>	.			
<hr/>									
<b>TS 32.621-2</b>	<b>Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)</b>								
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOVINGER, Thomas		Telefon AB LM Ericsson				
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i>		ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	SP-12 2001-06-18 2 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	Replaces 32.106-5 (pars) SP-12: stopped. See 32.632.			
					<i>remarks - this release:</i>	.			
<hr/>									
<b>TS 32.621-3</b>	<b>Telecommunication management; Configuration Management (CM); Part 3: Core network resources Integration Reference Point (IRP): Common Object Request Broker</b>								
Rel-4	<i>current version:</i> <b>Architecture (CORBA) solution set</b>	none	<i>WG (prime / other):</i> S5	/-	<i>rapporteur:</i> POLLAKOWSKI, Olaf				
	SIEMENS AG								
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i>		ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	SP-12 2001-06-18 2 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	Replaces 32.106-6 (pars) SP-12: stopped. See 32.633.			
					<i>remarks - this release:</i>	.			
<hr/>									
<b>TS 32.621-4</b>	<b>Telecommunication management; Configuration Management (CM); Part 4: Core network resources Integration Reference Point (IRP): Common Management Information</b>								
Rel-4	<i>current version:</i> <b>Protocol (CMIP) solution set</b>	none	<i>WG (prime / other):</i> S5	/-	<i>rapporteur:</i> TOVINGER, Thomas				
	Telefon AB LM Ericsson								
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC:</i>		ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	SP-12 2001-06-18 2 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	Replaces 32.107 (pars) SP-12: stopped. See 32.634.			
					<i>remarks - this release:</i>	.			
<hr/>									
<b>TS 32.622-1</b>	<b>Telecommunication management; Configuration Management (CM); Part 1: UTRAN network resources Integration Reference Point (IRP): requirements</b>								
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PIRT, Trevor		MOTOROLA Ltd				
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i>		ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	SP-12 2001-06-18 2 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	Replaces 32.106 (pars).SP-12: stopped. See 32.641.			
					<i>remarks - this release:</i>	.			

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<b>TS 32.622-2</b>	<b>Telecommunication management; Configuration Management (CM); Part 2: UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)</b>								
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOVINGER, Thomas	Telefon AB LM Ericsson					
	<i>freeze_meeting:</i>	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> ZOICAS, Adrian					
	<i>history (event, available, version, comments):</i>								
	SP-12 2001-06-18 2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Replaces 32.106-5 (pars) SP-12: stopped. See 32.642.					
			<i>remarks - this release:</i>	.					
<hr/>									
<b>TS 32.622-3</b>	<b>Telecommunication management; Configuration Management (CM); Part 3: UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker</b>								
Rel-4	<i>current version:</i> <b>Architecture (CORBA) solution set</b>	none	<i>WG (prime / other):</i> S5	/-	<i>rapporteur:</i> POLLAKOWSKI, Olaf				
	SIEMENS AG								
	<i>freeze_meeting:</i>	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> ZOICAS, Adrian					
	<i>history (event, available, version, comments):</i>								
	SP-12 2001-06-18 2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Replaces 32.106-6 (pars) SP-12: stopped. See 32.643.					
			<i>remarks - this release:</i>	.					
<hr/>									
<b>TS 32.622-4</b>	<b>Telecommunication management; Configuration Management (CM); Part 4: UTRAN network resources Integration Reference Point (IRP): Common Management Information</b>								
Rel-4	<i>current version:</i> <b>Protocol (CMIP) solution set</b>	none	<i>WG (prime / other):</i> S5	/-	<i>rapporteur:</i> TOVINGER, Thomas				
	Telefon AB LM Ericsson								
	<i>freeze_meeting:</i>	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> ZOICAS, Adrian					
	<i>history (event, available, version, comments):</i>								
	SP-12 2001-06-18 2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Replaces 32.107 (pars) SP-12: stopped. See 32.644.					
			<i>remarks - this release:</i>	.					
<hr/>									
<b>TS 32.623-1</b>	<b>Telecommunication management; Configuration Management (CM); Part 1: GERAN network resources Integration Reference Point (IRP): requirements</b>								
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PIRT, Trevor	MOTOROLA Ltd					
	<i>freeze_meeting:</i>	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> ZOICAS, Adrian					
	<i>history (event, available, version, comments):</i>								
	SP-12 2001-06-18 2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Replaces 32.106 (pars).SP-12: stopped. See 32.651.					
			<i>remarks - this release:</i>	.					
<hr/>									
<b>TS 32.623-2</b>	<b>Telecommunication management; Configuration Management (CM); Part 2: GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)</b>								
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOVINGER, Thomas	Telefon AB LM Ericsson					
	<i>freeze_meeting:</i>	<i>G:</i> yes	<i>U:</i>	<i>MCC:</i> ZOICAS, Adrian					
	<i>history (event, available, version, comments):</i>								
	SP-12 2001-06-18 2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Replaces 32.106-5 (pars) SP-12: stopped. See 32.652.					
			<i>remarks - this release:</i>	.					

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**TS 32.623-3 Telecommunication management; Configuration Management (CM); Part 3: GERAN network resources Integration Reference Point (IRP): Common Object Request Broker**  
Rel-4 *current version: Architecture (CORBA) solution set* none *WG (prime / other):* S5 /- *rapporteur:* POLLAKOWSKI, Olaf  
SIEMENS AG

*freeze\_meeting:* G: yes U: MCC: ZOICAS, Adrian  
*history (event, available, version, comments):*  
SP-12 2001-06-18 2 . 0 . 0

[get it](#) *remarks - general:* Replaces 32.106-6 (pars) SP-12: stopped. See 32.653.  
*remarks - this release:* .

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**TS 32.623-4 Telecommunication management; Configuration Management (CM); Part 4: GERAN network resources Integration Reference Point (IRP): Common Management Information**  
Rel-4 *current version: Protocol (CMIP) solution set* none *WG (prime / other):* S5 /- *rapporteur:* TOVINGER, Thomas  
Telefon AB LM Ericsson

*freeze\_meeting:* G: yes U: MCC: ZOICAS, Adrian  
*history (event, available, version, comments):*  
SP-12 2001-06-18 2 . 0 . 0

[get it](#) *remarks - general:* Replaces 32.107 (pars) SP-12: stopped. See 32.654.  
*remarks - this release:* .

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Rel-4 **33** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/33\\_series](http://www.3gpp.org/ftp/Specs/archive/33_series)

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**TR 33.800 Principles for Network Domain Security**  
Rel-4 *current version: none* *WG (prime / other):* S3 /- *rapporteur:* ESCOTT, Adrian Hutchison 3G UK Ltd (3)  
*freeze\_meeting:* G: U: yes *MCC:* POPE, Maurice

*history (event, available, version, comments):*  
draft 0 . 3 . 5

*remarks - general:* 2002-06-26: Item abandoned, since seems unlikely any more work will be done on it.  
*remarks - this release:* v0.3.5 not fit for public gaze. 2002-06-26: Item abandoned, since seems unlikely any more work will be done on it.

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**TR 33.900 Guide to 3G security**  
Rel-4 *current version: none* *WG (prime / other):* S3 /- *rapporteur:* BROOKSON, Charles DTI - Department of Trade and Industry  
*freeze\_meeting:* SP-11 G: U: yes *MCC:* POPE, Maurice

*history (event, available, version, comments):*

*remarks - general:*  
*remarks - this release:*

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**TR 33.904 Report on the Evaluation of 3GPP Standard Confidentiality and Integrity Algorithms**  
Rel-4 *current version:* none *WG (prime / other):* S3 / SAGE *rappporteur:* VACANT,  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
draft 2 . 0 . 0 only available as *remarks - general:* Source: ETSI SAGE.  
[http://www.3gpp.org/TB/other/algorithms/](http://www.3gpp.org/TB/other/algorithms/KASUMI_Eval_rep_v20.pdf) *remarks - this release:* SP-15: Not to be promoted to Rel-5. In fact, replaced by 33.908.  
KASUMI\_Eval\_rep\_v20.pdf

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Rel-4 41 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/41\\_series](http://www.3gpp.org/ftp/Specs/archive/41_series)

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**TS 41.001 GSM Specification set**  
Rel-4 *current version:* none *WG (prime / other):* SP / - *rappporteur:* MEREDITH, John M ETSI Secretariat  
*freeze\_meeting:* SP-11 *G:* yes *U:* *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
SP-10 2000-12-03 1 . 0 . 0 [get it](#) *remarks - general:* ->41.102, renumbered at TSG#10.  
*remarks - this release:* ->41.102

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**TS 41.102 GSM Release 4 specifications**  
Rel-4 *current version:* none *WG (prime / other):* SP / - *rappporteur:* MEREDITH, John M ETSI Secretariat  
*freeze\_meeting:* SP-11 *G:* yes *U:* *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
SP-10 1 . 0 . 0 *remarks - general:* Né 41.001; renumbered at TSG#10. SP-20: Superseded by 41.101 Rel-4.  
SP-10 2001-01-04 1 . 0 . 1 [get it](#) *remarks - this release:* SP-20: Superseded by 41.101 Rel-4.  
SP-11 2001-04-11 4 . 0 . 0 [get it](#)  
SP-12 2001-07-05 4 . 1 . 0 [get it](#)  
SP-13 2001-10-01 4 . 2 . 0 [get it](#)  
SP-14 2002-01-03 4 . 3 . 0 [get it](#)  
SP-15 2002-03-27 4 . 4 . 0 [get it](#)  
SP-16 2002-06-19 4 . 5 . 0 [get it](#)  
post SP-16 editorial 2002-06-25 4 . 5 . 1 [get it](#)  
SP-17 2002-09-18 4 . 6 . 0 [get it](#)  
SP-18 2003-01-03 4 . 7 . 0 [get it](#)  
SP-19 2003-03-27 4 . 8 . 0 [get it](#)  
SP-20 2003-06-25 4 . 9 . 0 withdrawn -> 41.101 [get it](#)

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Rel-4 **42** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/42\\_series](http://www.3gpp.org/ftp/Specs/archive/42_series)

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**TS 42.031 Fraud Information Gathering System (FIGS); Service description; Stage 1**  
Rel-4 *current version:* none *WG (prime / other):* S3 / *rporteur:* WRIGHT, Tim Indicate persons who left Company and wait for new One  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
SP-11 2001-04-10 4 . 0 . 0 SP-18: withdrawn. [get it](#) *remarks - general:* SP-18: decided FIGS is joint GERAN/UTRAN so -> 22.031.  
*remarks - this release:* SP-18: decided FIGS is joint GERAN/UTRAN so -> 22.031.

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**TS 42.032 Immediate Service Termination (IST); Service description; Stage 1**  
Rel-4 *current version:* none *WG (prime / other):* S3 / *rporteur:* WRIGHT, Tim Indicate persons who left Company and wait for new One  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
SP-11 2001-04-10 4 . 0 . 0 [get it](#) *remarks - general:* SP-16: withdrawn in favour of 22.032.  
*remarks - this release:* SP-16: withdrawn in favour of 22.032.

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**TS 42.048 Security mechanisms for the SIM Application Toolkit; Stage 1**  
Rel-4 *current version:* none *WG (prime / other):* T3 / S3 *rporteur:* BARNES, Nigel MOTOROLA Ltd  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* JURISIC, Andrijana  
*history (event, available, version, comments):*  
TP-11 2001-04-09 4 . 0 . 0 withdrawn at TP-12 [get it](#) *remarks - general:* TP-12: Becomes 22.048.  
*remarks - this release:* TP-12: Becomes 22.048.

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**TS 42.053 Tandem Free Operation (TFO); Service description; Stage 1**  
Rel-4 *current version:* none *WG (prime / other):* S4 / *rporteur:* NAVARRO, William NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):*  
*remarks - general:* Scrapped - see 22.053, Rel-4 onwards.  
*remarks - this release:*

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<b>TS 43.031</b>	<b>Fraud Information Gathering System (FIGS); Service description; Stage 2</b>								
Rel-4	<i>current version:</i> none <i>freeze_meeting:</i> SP-11	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WRIGHT, Tim	Indicate persons who left Company and wait for new One					
	<i>history (event, available, version, comments):</i> SP-11 2001-04-10 4 . 0 . 0 SP-18: withdrawn.	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> POPE, Maurice						
		<a href="#">get it</a>	<i>remarks - general:</i> SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 & Rel-5 ->						
			<i>remarks - this release:</i> SP-18: decided FIGS is joint GERAN/UTRAN so -> 23.031. 23.031.						
<b>TS 43.035</b>	<b>Immediate Service Termination (IST); Stage 2</b>								
Rel-4	<i>current version:</i> none <i>freeze_meeting:</i> SP-11	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WRIGHT, Tim	Indicate persons who left Company and wait for new One					
	<i>history (event, available, version, comments):</i> SP-11 2001-04-10 4 . 0 . 0 SP-15 2002-03-26 4 . 1 . 0	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> POPE, Maurice						
		<a href="#">get it</a>	<i>remarks - general:</i> SP-16: withdrawn in favour of 23.035.						
		<a href="#">get it</a>	<i>remarks - this release:</i> SP-16: withdrawn in favour of 23.035.						
<b>TS 43.046</b>	<b>Technical Realization of Facsimile Group 3 Service - non transparent</b>								
Rel-4	<i>current version:</i> none <i>freeze_meeting:</i> SP-11	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David ETSI Secretariat						
	<i>history (event, available, version, comments):</i> post-NP-14 2002-01-23 4 . 0 . 0 2002-01-23: Boswarthick: created in error; non-transparent fax ceases with R99.	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> BOSWARTHICK, David						
		<a href="#">get it</a>	<i>remarks - general:</i> 2002-01-23: Boswarthick: created in error; non-transparent fax ceases with R99.						
			<i>remarks - this release:</i> .2002-01-23: Boswarthick: created in error; non-transparent fax ceases with R99.						
<b>TS 43.048</b>	<b>Security Mechanisms for SIM Toolkit Application; Stage 2</b>								
Rel-4	<i>current version:</i> none <i>freeze_meeting:</i> SP-11	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> BARNES, Nigel MOTOROLA Ltd						
	<i>history (event, available, version, comments):</i> TP-11 2001-04-09 4 . 0 . 0 withdrawn at TP-12	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> JURISIC, Andrijana						
		<a href="#">get it</a>	<i>remarks - general:</i> TP-12: replaced by 23.048.						
			<i>remarks - this release:</i> TP-12: replaced by 23.048.						

G = required in systems with GERAN access; U = required in systems with UMTS access.

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WITHDRAWN specs Rel-4 43 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/43\\_series](http://www.3gpp.org/ftp/Specs/archive/43_series)

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<b>TS 43.051</b>	<b>GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2</b>								
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i>	G1 / -	<i>rapporteur:</i>	SÉBIRE, Guillaume	NOKIA Corporation			
	<i>freeze_meeting:</i> SP-11	G: yes U:		<i>MCC:</i>	USAI, Paolino				
	<i>history (event, available, version, comments):</i>								
	GP-02 2001-01-05 4 . 0 . 0	GP-08: withdrawn		<a href="#">get it</a>	<i>remarks - general:</i>	Originally created as 03.51r00			
					<i>remarks - this release:</i>	Created after TSG#8. GP-08: withdrawn			
<hr/>									
<b>TS 43.063</b>	<b>Packet Data on Signalling channels service (PDS) Service description, Stage 2</b>								
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i>	N1 / -	<i>rapporteur:</i>	JACOBSON, Dieter	T-MOBILE DEUTSCHLAND			
	<i>freeze_meeting:</i> SP-11	G: yes U:		<i>MCC:</i>	JORGENSEN, Per Johan				
	<i>history (event, available, version, comments):</i>								
	NP-11 2001-04-11 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	2002-02-26: Hietalahti: stage 1 work not continued beyond R99, so proposes to			
					<i>remarks - this release:</i>	2002-02: Jorgensen: Not to be propagated to Rel-5. 2002-02-26: Hietalahti: stage 1			
						withdraw.			
						work not continued beyond R99, so proposes to withdraw.			
<hr/>									
<b>TS 43.071</b>	<b>Location Services (LCS); Functional description; Stage 2 (GSM)</b>								
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i>	S2 / -	<i>rapporteur:</i>	BROOK, Richard	SAMSUNG Electronics Research Institute			
	<i>freeze_meeting:</i> SP-11	G: yes U:		<i>MCC:</i>	YOON, Sang-Ui				
	<i>history (event, available, version, comments):</i>								
	SP-11 4 . 0 . 0				<i>remarks - general:</i>	Superseded by 23.271 Rel-4.			
					<i>remarks - this release:</i>	Superseded by 23.271 Rel-4.			

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Rel-4 44 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/44\\_series](http://www.3gpp.org/ftp/Specs/archive/44_series)

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<b>TS 44.008</b>	<b>Mobile radio interface layer 3 specification</b>								
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i>	N1 / G2	<i>rapporteur:</i>	HOWELL, Andrew	MOTOROLA Ltd			
	<i>freeze_meeting:</i> SP-11	G: yes U:		<i>MCC:</i>	JORGENSEN, Per Johan				
	<i>history (event, available, version, comments):</i>								
	NP-11 2001-04-11 4 . 0 . 0	withdrawn NP-15		<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>	withdrawn at NP-15.			

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs Rel-4 44 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/44\\_series](http://www.3gpp.org/ftp/Specs/archive/44_series)

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**TS 44.063 Packet Data on Signalling channels Service (PDS) Service Description, Stage 3**

Rel-4 *current version:* none *WG (prime / other):* N1 / - *rapporteur:* JACOBSON, Dieter T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* SP-11 *G:* yes *U:* *MCC:* JORGENSEN, Per Johan

*history (event, available, version, comments):*  
NP-11 2001-04-11 4 . 0 . 0

[get it](#) *remarks - general:* 2002-02-26: Hietalahti: stage 1 work not continued beyond R99, so proposes to  
*remarks - this release:* 2002-02: Jorgensen: Not to be propagated to Rel-5. 2002-02-26: Hietalahti: stage 1  
withdraw.  
work not continued beyond R99, so proposes to withdraw.

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Rel-4 48 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/48\\_series](http://www.3gpp.org/ftp/Specs/archive/48_series)

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**TS 48.062 Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3**

Rel-4 *current version:* none *WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*freeze\_meeting:* SP-11 *G:* yes *U:* *MCC:* USAI, Paolino

*history (event, available, version, comments):*

*remarks - general:* -> 28.062  
*remarks - this release:* -> 28.062

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Rel-4 49 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/49\\_series](http://www.3gpp.org/ftp/Specs/archive/49_series)

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**TR 49.994 Recommended infrastructure measures to overcome specific Mobile Station (MS) faults**

Rel-4 *current version:* none *WG (prime / other):* N1 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* *G:* yes *U:* *MCC:* JORGENSEN, Per Johan  
Skov

*history (event, available, version, comments):*

*remarks - general:* 2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest  
*remarks - this release:* . Release version. 2002-05-07 (Hietalahti): Scrapped in favour of 29.994 handling both  
"GSM" and "UMTS" problems.

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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WITHDRAWN specs Rel-4 50 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/50\\_series](http://www.3gpp.org/ftp/Specs/archive/50_series)

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Rel-4 50 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/50\\_series](http://www.3gpp.org/ftp/Specs/archive/50_series)

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**TR 50.043 Support of Localised Service Area (SoLSA); Work Item Status**

Rel-4 *current version:* none *WG (prime / other):* S1 / - *rapporteur:* KOKKOLA, Tommi NOKIA Corporation  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

*remarks - general:*

*remarks - this release:* 2001-April:Clayton: stopped.

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**TS 50.056 Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1**

Rel-4 *current version:* none *WG (prime / other):* S2 / - *rapporteur:* GALLIGO, Michel ALCATEL S.A.  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

SP-11 4 . 0 . 0 not to be produced

*remarks - general:* Apr 2001 - Sultan:no Rel-4 will exist

*remarks - this release:* Apr 2001 - Sultan:no Rel-4 will exist Jun 2001: confirmed, so withdrawn.

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**TS 50.089 GSM to other Systems Handover and Cell Selection/Reselection; Project scheduling and open issues;**

Rel-4 *current version:* none *WG (prime / other):* GP / - *rapporteur:* ISAACS, Ken SIEMENS AG  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version, comments):*

*remarks - general:*

*remarks - this release:* Usai Apr-2001: will never be produced.

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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WITHDRAWN specs Rel-4 50 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/50\\_series](http://www.3gpp.org/ftp/Specs/archive/50_series)

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<b>TR 50.099</b>	<b>GERAN project plan and open issues</b>								
Rel-4	<i>current version:</i> none			<i>WG (prime / other):</i> GP / -	<i>rapporteur:</i> GRANT, Marc				Cingular Wireless LLC
	<i>freeze_meeting:</i> SP-11			<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version, comments):</i>								
	draft 2000-10-09	0 . 0 . 1		<a href="#">get it</a>	<i>remarks - general:</i>	2002-01-23: Usai indicates "stopped". GP-08: But it won't lie down. Resuscitate as			
	draft 2000-11-06	0 . 0 . 2		<a href="#">get it</a>	<i>remarks - this release:</i>	GERAN#3: v0.0.4 May-2000: subsequent drafts 005, 006, 007 were wrongly numbered			
Rel-5.	GP-12: Rel-5 frozen, so draft moved to Rel-6.								
	draft 2000-04-02	0 . 0 . 2		<a href="#">get it</a>		and were not subsequent at all, so do not appear in history; latest draft is ex GERAN#4			
	draft 2000-05-08	0 . 0 . 3		<a href="#">get it</a>		= 006. 2002-01-23: Usai indicates "stopped".			
	draft 2000-05-28	0 . 0 . 4		<a href="#">get it</a>					
	GP-04 2000-05-10	0 . 0 . 6	2002-01-23: Usai indicates "stopped".	<a href="#">get it</a>					
	draft	0 . 0 . 7							
	draft	0 . 0 . 8							
	GP-05	0 . 0 . 9							
	GP-06	0 . 0 . 10							
	GP-07	0 . 0 . 11							
	GP-07	0 . 0 . 12							
	GP-07	0 . 0 . 13							
	draft 2002-04-12	0 . 0 . 15		<a href="#">get it</a>					
	GP-09 2002-04-22	0 . 0 . 16	GP-021208	<a href="#">get it</a>					
	draft 2002-09-17	0 . 0 . 20		<a href="#">get it</a>					
	GP-12 2002-11-26	0 . 23 . 0	GP-023436	<a href="#">get it</a>					

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Rel-4 **52** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/52\\_series](http://www.3gpp.org/ftp/Specs/archive/52_series)

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<b>TS 52.071</b>	<b>Location Services (LCS); Location services (LCS) management</b>								
Rel-4	<i>current version:</i> none			<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> GARAPATY, Sonia				Nortel Networks (USA)
	<i>freeze_meeting:</i> SP-11			<i>G: yes U:</i>	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	SP-11 2001-03-28	4 . 0 . 0	withdrawn SP-13	<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-13 2001-10-03	4 . 1 . 0	This is the version declaring itself to be withdrawn. A sort of non-version. Anti-bootstrapping (autointerment?)	<a href="#">get it</a>	<i>remarks - this release:</i>	SP-13: withdrawn - see SP-010472.			

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## R00

R00 02 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)**TS 02.68 Voice Group Call Service (VGCS); Stage 1**R00  
*current version:* none  
*freeze\_meeting:*  
*history (event, available, version, comments):*  
smg-32 2000-06-20 9 . 0 . 0*WG (prime / other):* S1 / - *rapporteur:* CLAYTON, Michael EMCOM Ltd  
*G: yes U:* *MCC:* CLAYTON, Michael[get it](#) *remarks - general:*  
*remarks - this release:* #32:9.0.0 (based on CR to 8.0.0) ->42.068v4.0.0**TS 02.69 Voice Broadcast Service (VBS); Stage 1**R00  
*current version:* none  
*freeze\_meeting:*  
*history (event, available, version, comments):*  
smg-32 2000-06-20 9 . 0 . 0*WG (prime / other):* S1 / - *rapporteur:* CLAYTON, Michael EMCOM Ltd  
*G: yes U:* *MCC:* CLAYTON, Michael[get it](#) *remarks - general:*  
*remarks - this release:* #32:9.0.0 (based on CR to 8.0.0) ->42.068v4.0.0R00 03 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)**TS 03.20 Security-related Network Functions**R00  
*current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version, comments):*  
smg-32 2001-01-16 9 . 0 . 0*WG (prime / other):* S3 / NP / *rapporteur:* NGUYEN NGOC, Sebastien France Telecom  
GP  
*G: yes U:* *MCC:* POPE, Maurice[get it](#) *remarks - general:*  
*remarks - this release:*



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WITHDRAWN specs R00 03 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

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<b>TS 03.51</b>	<b>GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2</b>					
R00	current version: none	WG (prime / other):	G1 / -	rapporteur:	SÉBIRE, Guillaume	NOKIA Corporation
	freeze_meeting:	G: yes U:		MCC:	USAI, Paolino	
	history (event, available, version, comments):			remarks - general:	-> 43.051	
				remarks - this release:	.	
<hr/>						
<b>TS 03.59</b>	<b>Location services (LCS) GERAN; Stage 2</b>					
R00	current version: none	WG (prime / other):	G1 / -	rapporteur:	LIVINGSTON, Margaret	NOKIA Corporation
	freeze_meeting:	G: yes U:		MCC:	USAI, Paolino	
	history (event, available, version, comments):			remarks - general:		
	draft 2000-05-30 0 . 0 . 1			remarks - this release:	replaced by 43.059	
				<a href="#">get it</a>		
<hr/>						
<b>TS 03.68</b>	<b>Voice Group Call Service (VGCS); Stage 2</b>					
R00	current version: none	WG (prime / other):	N1 / -	rapporteur:	GARAPATY, Sonia	Nortel Networks (USA)
	freeze_meeting:	G: yes U:		MCC:	JORGENSEN, Per Johan	
	history (event, available, version, comments):			remarks - general:		
	smg-32 2000-06-20 9 . 0 . 0			remarks - this release:	#32:9.0.0 TSG#8:9.0.0->43.068v4.0.0	
				<a href="#">get it</a>		
<hr/>						
<b>TS 03.69</b>	<b>Voice Broadcast service (VBS); Stage 2</b>					
R00	current version: none	WG (prime / other):	N1 / -	rapporteur:	MÜNNING, Dirk	DETECON GMBH
	freeze_meeting:	G: yes U:		MCC:	JORGENSEN, Per Johan	
	history (event, available, version, comments):			remarks - general:		
	smg-30 2000-06-20 9 . 0 . 0			remarks - this release:	#32:9.0.0 TSG#8:9.0.0->43.069v4.0.0	
				<a href="#">get it</a>		

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R00 04 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

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<b>TS 04.18</b>	<b>Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol</b>					
R00	<i>current version:</i> none	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> HOWELL, Andrew	MOTOROLA Ltd		
	<i>freeze_meeting:</i>	G: yes U:	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version, comments):</i>					
	smg-32 2000-06-20 9 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> Aug00: replaced by 44.018
<hr/>						
<b>TS 04.68</b>	<b>Group Call Control (GCC) Protocol</b>					
R00	<i>current version:</i> none	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)		
	<i>freeze_meeting:</i>	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version, comments):</i>					
	smg-32 2000-06-20 9 . 0 . 0 >44.069v4.0.0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>
<hr/>						
<b>TS 04.69</b>	<b>Broadcast Call Control (BCC) protocol</b>					
R00	<i>current version:</i> none	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)		
	<i>freeze_meeting:</i>	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version, comments):</i>					
	smg-32 2000-06-20 9 . 0 . 0 ->44.069v4.0.0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>

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R00 08 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/08\\_series](http://www.3gpp.org/ftp/Specs/archive/08_series)

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## TS 08.08 Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification

R00 *current version:* none *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* Skov

*G:* yes *U:* *MCC:* THOMASEN, Gert

*history (event, available, version, comments):*

smg-29	1999-06-30	8	.	0	.	0
smg-30	1999-11-11	8	.	1	.	0
smg-30b	1999-12-06	8	.	2	.	0
smg-31	2000-02-16	8	.	3	.	0
smg-31b	2000-04-17	8	.	4	.	0
Fix graphics	2000-05-16	8	.	4	.	1
smg-32	2000-06-20	8	.	5	.	0
smg-32	2000-06-20	9	.	0	.	0

[get it](#)

*remarks - general:*

[get it](#)

*remarks - this release:* #32:9.0.0 Aug00: replaced by 48.008

[get it](#)

[get it](#)

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R00 10 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/10\\_series](http://www.3gpp.org/ftp/Specs/archive/10_series)

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## TS 10.99 GERAN project plan and open issues

R00 *current version:* none *WG (prime / other):* - / *rapporteur:* MUELLER, Frank Telefon AB LM Ericsson  
*freeze\_meeting:* N, A

*history (event, available, version, comments):*

draft (as 10.99)	2000-05-30	0	.	0	.	5
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[get it](#)

*remarks - general:*

*remarks - this release:* .

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R00 11 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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WITHDRAWN specs R00 11 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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## TS 11.10-1 Mobile station (MS) conformance specification; Part 1: Conformance specification

R00 *current version:* none *freeze\_meeting:* WG (prime / other): G3new/ S1 / NP / T2 / SCP *rapporteur:* SALMERON, Lidia TELEPLUS LIMITED

G: yes U: MCC: CLAYTON, Michael

*history (event, available, version, comments):*

smg-32 2000-06-20 9 . 0 . 0  
edito 2000-07-12 9 . 0 . 1

[get it](#) *remarks - general:* R99 version now serves all releases. Earlier releases closed.. Subsequently replaced  
[get it](#) *remarks - this release:* #32:9.0.0->51.010-1v4.0.1 by Rel-5 equivalent. 2001-11-19: G4->G5.

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## TS 11.10-3 Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)

R00 *current version:* none *freeze\_meeting:* WG (prime / other): G3new/ S1 / NP / T2 / SCP *rapporteur:* SALMERON, Lidia TELEPLUS LIMITED

G: yes U: MCC: CLAYTON, Michael

*history (event, available, version, comments):*

smg-32 2000-06-20 9 . 0 . 0 Tdoc 7-00-276; P-00-266

[get it](#) *remarks - general:* 2001-11-19: G4->G5.  
*remarks - this release:* #32:9.0.0->51.010-3v4.0.0

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R00 25 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TR 25.839 Uplink Synchronous Transmission Scheme (USTS) (Iur/Iub aspects)

R00 *current version:* none *freeze\_meeting:* WG (prime / other): R3 / - *rapporteur:* PARK, Jin Hyo SK TELECOM  
G: U: yes MCC: CALDENHOVEN, Juergen

*history (event, available, version, comments):*

draft 2000-08-15 0 . 0 . 1  
RP-10 2000-09-21 0 . 1 . 0 RP-000642

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* -> Rel-4

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G = required in systems with GERAN access; U = required in systems with UMTS access.

## R99

R99 01 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/01\\_series](http://www.3gpp.org/ftp/Specs/archive/01_series)

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**TR 01.00 Working Procedures for SMG and PT SMG**

R99 *current version:* none *WG (prime / other):* SP / - *rapporteur:* BERGMANN, Ansgar Deutsche Telekom AG  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
smg-30 1999-11-11 8 . 0 . 0 SP-15: withdrawn since SMG and PT- [get it](#) *remarks - general:*  
SMG no longer exist. *remarks - this release:*

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**TS 01.56 GSM Cordless Telephony System (CTS) (Phase 1); CTS Authentication and Key Generation Algorithms Requirements**

R99 *current version:* none *WG (prime / other):* S1 / - *rapporteur:* POIRAUD, Patrick ALCATEL S.A.  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
Withdrawn 2000-11-16 8 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* CTS is dead duck

R99 02 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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**TS 02.01 Principles of telecommunication services supported by a GSM Public Land Mobile Network (PLMN)**

R99 *current version:* none *WG (prime / other):* S1 / - *rapporteur:* KOKKOLA, Tommi NOKIA Corporation  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
smg-28 1999-02-12 8 . 0 . 0 [get it](#) *remarks - general:*  
smg-29 1999-06-25 8 . 1 . 0 [get it](#) *remarks - this release:* TSG#6: ->3G  
smg-30 2001-10-25 8 . 2 . 0 [get it](#)  
ETSI publication 2001-10-30 8 . 2 . 1 [get it](#)

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WITHDRAWN specs R99 02 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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<b>TS 02.02</b>	<b>Bearer Services (BS) Supported by a GSM Public Land Mobile Network (PLMN)</b>								
R99	<i>current version:</i> none	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	CARPENTER, Paul	Research In Motion Limited			
	<i>freeze_meeting:</i> SP-06	G: yes U:		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	smg-29 1999-06-25 8 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>				
<hr/>									
<b>TS 02.03</b>	<b>Teleservices Supported by a GSM Public Land Mobile Network (PLMN)</b>								
R99	<i>current version:</i> none	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	KOKKOLA, Tommi	NOKIA Corporation			
	<i>freeze_meeting:</i> SP-06	G: yes U:		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	smg-30 1999-11-11 8 . 0 . 0 withdrawn			<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i> #30: 8.0.0 TSG#6->3g				
<hr/>									
<b>TS 02.04</b>	<b>General on Supplementary Services</b>								
R99	<i>current version:</i> none	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	CARPENTER, Paul	Research In Motion Limited			
	<i>freeze_meeting:</i> SP-06	G: yes U:		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	smg-28 1999-02-12 8 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-29 1999-06-26 8 . 1 . 0 withdrawn (becomes 22.004)			<a href="#">get it</a>	<i>remarks - this release:</i>				
<hr/>									
<b>TS 02.07</b>	<b>Mobile Station (MS) Features</b>								
R99	<i>current version:</i> none	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	WATSON, John	VODAFONE Group Plc			
	<i>freeze_meeting:</i> SP-06	G: yes U:		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version, comments):</i>								
	smg-29 1999-06-25 8 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-30 1999-06-26 8 . 1 . 0				<i>remarks - this release:</i> TSG#6: withdrawn				
					withdrawn. The text for 02.07 was moved to 22.001 and to 22.101; see CR 22.101-028 which resulted in version 3.8.0 and CR 22.100-001 which resulted in version 3.1.0.				
<hr/>									
<b>TS 02.31</b>	<b>Fraud Information Gathering System (FIGS); Service description; Stage 1</b>								
R99	<i>current version:</i> none	<i>WG (prime / other):</i>	S3 /	<i>rapporteur:</i>	WRIGHT, Tim	Indicate persons who left Company and wait for new One			
	<i>freeze_meeting:</i> SP-06	G: yes U:		<i>MCC:</i>	POPE, Maurice				
	<i>history (event, available, version, comments):</i>								
	Upgrade to R99 2000-06-30 8 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	ETSI publication 2001-06-05 8 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i> SP-18: decided FIGS is joint GERAN/UTRAN so -> 22.031.				
					SP-18: Withdrawn in favour of 22.031.				

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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WITHDRAWN specs R99 02 .- series  
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<b>TS 02.32</b>	<b>Immediate Service Termination (IST); Service description; Stage 1</b>					
R99	<i>current version:</i> none	<i>WG (prime / other):</i> S3 /	<i>rapporteur:</i> WRIGHT, Tim	Indicate persons who left Company and wait for new One		
	<i>freeze_meeting:</i> SP-06	G: yes U:	<i>MCC:</i> POPE, Maurice			
<i>history (event, available, version, comments):</i>						
	Upgrade to R99	2000-02-14	8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI publication	2001-06-05	8 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> SP-16: withdrawn in favour of 22.032 R99.	
<hr/>						
<b>TS 02.34</b>	<b>High Speed Circuit Switched Data (HSCSD); Stage 1</b>					
R99	<i>current version:</i> none	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> KOKKOLA, Tommi	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-06	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
<i>history (event, available, version, comments):</i>						
	smg-28	1999-02-12	8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-29	1999-06-25	8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	withdrawn -> 22.034					
<hr/>						
<b>TS 02.38</b>	<b>SIM application toolkit (SAT); Stage 1</b>					
R99	<i>current version:</i> none	<i>WG (prime / other):</i> S1 / SCP	<i>rapporteur:</i> CARPENTER, Paul	Research In Motion Limited		
	<i>freeze_meeting:</i> SP-06	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
<i>history (event, available, version, comments):</i>						
				<i>remarks - general:</i>	Moved from T3 Jan-00.	
				<i>remarks - this release:</i>	Place holder - no spec.	
<hr/>						
<b>TS 02.40</b>	<b>Procedures for Call Progress Indications</b>					
R99	<i>current version:</i> none	<i>WG (prime / other):</i> S1 / NP	<i>rapporteur:</i> DEOL, Amar	Nortel Networks (USA)		
	<i>freeze_meeting:</i> SP-06	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
<i>history (event, available, version, comments):</i>						
	smg-30	1999-11-11	8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	withdrawn. The text for 02.40 was moved to 22.001. refer to CR 22.001-001 which resulted in version 3.1.0 of 22.001.					
	<i>remarks - this release:</i> R99 -> 22.101					
<hr/>						
<b>TS 02.42</b>	<b>Network Identity and Timezone (NITZ); Service Description, Stage 1</b>					
R99	<i>current version:</i> none	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> SP-06	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
<i>history (event, available, version, comments):</i>						
	smg-29	1999-06-25	8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	withdrawn -> 22.042					
	<i>remarks - this release:</i>					

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 02.57</b>	<b>Mobile Station Application Execution Environment (MExE) Service description Stage 1</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd	
	<i>freeze_meeting:</i> SP-06	G: yes U:	MCC: CLAYTON, Michael		
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-25 8 . 0 . 0				<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i> #29: 8.0.0 (to be deleted, moved to 3GPP)
<hr/>					
<b>TS 02.60</b>	<b>General Packet Radio Service Stage 1 Description</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CARPENTER, Paul	Research In Motion Limited	
	<i>freeze_meeting:</i> SP-06	G: yes U:	MCC: CLAYTON, Michael		
	<i>history (event, available, version, comments):</i>				
	smg-28 1999-02-12 8 . 0 . 0				
	smg-29 1999-06-25 8 . 1 . 0				<a href="#">get it</a> <i>remarks - general:</i> <a href="#">get it</a> <i>remarks - this release:</i> #28: 8.0.0 #29: 8.1.0 (deleted, moved to 3GPP)
<hr/>					
<b>TS 02.78</b>	<b>Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> GRECH, Michel	Lucent Technologies Network Systems UK	
	<i>freeze_meeting:</i> SP-06	G: yes U:	MCC: CLAYTON, Michael		
	<i>history (event, available, version, comments):</i>				
	smg-29 1999-06-25 8 . 0 . 0				<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i> #29: 8.0.0 (to be deleted, moved to 3GPP)
<hr/>					
<b>TS 02.82</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 1</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> IBIDUN, Kunle	ORANGE PCS LTD	
	<i>freeze_meeting:</i> SP-06	G: yes U:	MCC: CLAYTON, Michael		
	<i>history (event, available, version, comments):</i>				
	smg-28 1999-02-12 8 . 0 . 0				<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i> #28: 8.0.0 (to be deleted, moved to 3GPP)
<hr/>					
<b>TS 02.90</b>	<b>Unstructured Supplementary Service Data (USSD); Stage 1</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> IGNATIUS, Jan	NOKIA Corporation	
	<i>freeze_meeting:</i> SP-06	G: yes U:	MCC: CLAYTON, Michael		
	<i>history (event, available, version, comments):</i>				
	smg-28 1999-02-12 8 . 0 . 0				<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i> #28: 8.0.0 (to be deleted, moved to 3GPP)

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G = required in systems with GERAN access; U = required in systems with UMTS access.



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Server location: [http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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**TS 02.94 Follow Me Service description; Stage 1**  
R99 *current version:* none *WG (prime / other):* S1 / - *rapporteur:* CLAYTON, Michael EMCOM Ltd  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
smg-28 1 . 0 . 0  
smg-30 1999-11-11 8 . 0 . 0 Withdrawn wef SP-21 [get it](#) *remarks - general:* 2003-07-21 (Clayton): S1 have decided to scrap this spec in favour of a common  
*remarks - this release:* #28: 1.0.0 #30: 8.0.0 August 2001: still debating whether this is GSM-only or common.  
GSM/UMTS spec, 22.094.  
  
2003-07-21 (Clayton): S1 have decided to scrap this spec in favour of a common GSM/UMTS spec, 22.094.

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R99 03 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

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**TS 03.01 Network Functions**  
R99 *current version:* none *WG (prime / other):* S2 / NP *rapporteur:* GAASVIK, Per-Ola COMVIQ GSM AB  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* YOON, Sang-Ui  
*history (event, available, version, comments):*  
Upgrade to R99 2000-06-30 8 . 0 . 0 [get it](#) *remarks - general:* SMG3->SA2 @ TSG#7  
*remarks - this release:* Never produced; make do with R98 version.

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**TS 03.31 Fraud Information Gathering System (FIGS); Service description; Stage 2**  
R99 *current version:* none *WG (prime / other):* S3 / - *rapporteur:* WRIGHT, Tim Indicate persons who left Company and wait for new One  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
Upgrade to R99 2000-06-30 8 . 0 . 0 SP-18: withdrawn [get it](#) *remarks - general:* 2001-09-03: S3 secretary reports that this spec is not mature enough for official  
*remarks - this release:* SP-18: decided FIGS is joint GERAN/UTRAN so -> 23.031. publication. Work continues  
in 43.031. SP-18: in fact, in 23.031.

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**TS 03.35 Immediate Service Termination (IST); Stage 2**  
R99 *current version:* none *WG (prime / other):* S3 / - *rapporteur:* WRIGHT, Tim Indicate persons who left Company and wait for new One  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
Upgrade to R99 2000-06-30 8 . 0 . 0 [get it](#) *remarks - general:*  
SP-11 2001-04-04 8 . 1 . 0 [get it](#) *remarks - this release:* SP-16: withdrawn in favouf of 23.035 R99.

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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WITHDRAWN specs R99 03 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

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**TR 03.43 Support of Videotex**  
R99 *current version:* none *WG (prime / other):* T2 / - *rapporteur:* RODERMUND, Friedhelm/Vodafone D2 GmbH  
*freeze\_meeting:* SP-06  
*G:* yes *U:* *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*  
frozen at v7 2000-11-20 8 . 0 . 0  
(withdrawn) [get it](#) *remarks - general:*  
*remarks - this release:* Frozen at v7

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**TR 03.44 Support of Teletex in a GSM Public Land Mobile Network (PLMN)**  
R99 *current version:* none *WG (prime / other):* T2 / - *rapporteur:* RODERMUND, Friedhelm/Vodafone D2 GmbH  
*freeze\_meeting:* SP-06  
*G:* yes *U:* *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*  
Upgrade to R99 2000-06-30 8 . 0 . 0  
[get it](#) *remarks - general:*  
*remarks - this release:* Sticks at v7

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**TR 03.47 Example Protocol Stacks for Interconnecting Service Centre(s) (SC) and Mobile Services Switching Centre(s) (MSC)**  
R99 *current version:* none *WG (prime / other):* T2 / - *rapporteur:* RODERMUND, Friedhelm/Vodafone D2 GmbH  
*freeze\_meeting:* SP-06  
*G:* yes *U:* *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*  
Upgrade to R99 2000-06-30 8 . 0 . 0  
[get it](#) *remarks - general:*  
*remarks - this release:*

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**TR 03.49 Example protocol stacks for interconnecting Cell Broadcast Centre (CBC) and Base Station Controller (BSC)**  
R99 *current version:* none *WG (prime / other):* T2 / - *rapporteur:* RODERMUND, Friedhelm/Vodafone D2 GmbH  
*freeze\_meeting:* SP-06  
*G:* yes *U:* *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*  
Upgrade to R99 2000-06-30 8 . 0 . 0  
[get it](#) *remarks - general:*  
*remarks - this release:* clamped at v7

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**TS 03.56 GSM Cordless Telephony System (CTS), Phase 1; CTS Architecture Description; Stage 2**  
R99 *current version:* none *WG (prime / other):* S2 / - *rapporteur:* ROBERTS, Martin Nortel  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*  
Upgrade to R99 2000-05-01 8 . 0 . 0  
[get it](#) *remarks - general:*  
*remarks - this release:* Never produced; make do with R98 version.

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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WITHDRAWN specs R99 03 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

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**TS 03.63 Packet Data on Signalling channels service (PDS) Service description, Stage 2**  
R99 *current version:* none *WG (prime / other):* N1 / - *rapporteur:* JACOBSON, Dieter T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
smg-31 2000-02-16 8 . 0 . 0 NP-15 withdrawn [get it](#) *remarks - general:*  
*remarks - this release:* TP-15: proposed to withdraw, since stage 1 (02.63) not promoted to R99.

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**TS 03.82 Call Forwarding (CF) Supplementary Services; Stage 2**  
R99 *current version:* none *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
smg-28 1999-02-12 8 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #28: 8.0.0 (to be deleted, moved to 3GPP)

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R99 04 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

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**TS 04.22 Radio Link Protocol (RLP) for data and telematic services on the Mobile Station - Base Station System (MS - BSS) interface and the Base Station System - Mobile-services**  
R99 *current version:* **Switching Centre (BSS - MSC) interface** none *WG (prime / other):* N3 / - *rapporteur:* KLEHN, Norbert  
SIEMENS AG  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* BOSWARTHICK, David  
*history (event, available, version, comments):*  
smg-29 1999-06-25 8 . 0 . 0 withdrawn [get it](#) *remarks - general:*  
*remarks - this release:* #29: 8.0.0 (to be deleted, moved to 3GPP)

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**TS 04.63 Packet Data on Signalling channels Service (PDS) Service Description, Stage 3**  
R99 *current version:* none *WG (prime / other):* N1 / - *rapporteur:* JACOBSON, Dieter T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
smg-31 2000-02-16 8 . 0 . 0  
Editorial correction 2000-04-27 8 . 0 . 1 NP-15 withdrawn [get it](#) *remarks - general:*  
*remarks - this release:* TP-15: proposed to withdraw, since stage 1 (02.63) not promoted to R99.

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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WITHDRAWN specs R99 04 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

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**TS 04.94 Follow Me Service description; Stage 3**

R99 *current version:* none  
*freeze\_meeting:* SP-06  
*history (event, available, version, comments):*

*WG (prime / other):* - / - *rapporteur:* SWETINA, Joerg SIEMENS AG  
*G: yes U:* *MCC:* N, A

*remarks - general:* TF139 proposes to abandon; not needed. USSD does all.  
*remarks - this release:* scrapped whilst still on starting block

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R99 **05** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/05\\_series](http://www.3gpp.org/ftp/Specs/archive/05_series)

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**TS 05.14 Release independent frequency bands; Implementation guidelines**

R99 *current version:* none  
*freeze\_meeting:* SP-06  
*history (event, available, version, comments):*

*WG (prime / other):* G1 / G2 *rapporteur:* KANGAS, Antti NOKIA Corporation  
*G: yes U:* *MCC:* USAI, Paolino

*remarks - general:* Originally allocated as 09.20. Changed by request of GERAN chair 2000-11-09.  
*remarks - this release:* Originally allocated as 09.20. Changed by request of GERAN chair 2000-11-09. R99 will  
Changed from G2 to G1 at same time.  
not be produced (source: Usai 2001-01-05)

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R99 **07** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/07\\_series](http://www.3gpp.org/ftp/Specs/archive/07_series)

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**TS 07.01 General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)**

R99 *current version:* none  
*freeze\_meeting:* SP-06  
*history (event, available, version, comments):*  
smg-29 1999-06-25 8 . 0 . 0 withdrawn -> 27.001

*WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*G: yes U:* *MCC:* BOSWARTHICK, David

[get it](#) *remarks - general:*  
*remarks - this release:* #29: 8.0.0 (to be deleted, moved to 3GPP)

G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs R99 07 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/07\\_series](http://www.3gpp.org/ftp/Specs/archive/07_series)

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**TS 07.02 Terminal Adaptation Functions (TAF) for Services Using Asynchronous Bearer Capabilities**  
R99 *current version:* none *WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* BOSWARTHICK, David  
*history (event, available, version, comments):*  
smg-29 1999-06-25 8 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #29: 8.0.0 (to be deleted, moved to 3GPP)

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**TS 07.03 Terminal Adaptation Functions (TAF) for Services Using Synchronous Bearer Capabilities**  
R99 *current version:* none *WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* BOSWARTHICK, David  
*history (event, available, version, comments):*  
smg-29 1999-06-25 8 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #29: 8.0.0 (to be deleted, moved to 3GPP)

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**TS 07.08 GSM Application Programming Interface**  
R99 *current version:* none *WG (prime / other):* T2 / - *rapporteur:* RODERMUND, Friedhelm Vodafone D2 GmbH  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* RODERMUND, Friedhelm  
*history (event, available, version, comments):*  
Creation of R99 2000-06-30 8 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* Frozen at v5

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R99 09 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/09\\_series](http://www.3gpp.org/ftp/Specs/archive/09_series)

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**TS 09.07 General Requirements on Interworking between the Public Land Mobile Network (PLMN) and the Intergrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)**  
R99 *current version:* Network (PSTN) none *WG (prime / other):* N3 / - *rapporteur:* KLEHN, Norbert  
SIEMENS AG  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* BOSWARTHICK, David  
*history (event, available, version, comments):*  
smg-29 1999-06-25 8 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #29: 8.0.0 (to be deleted, moved to 3GPP)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs R99 09 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/09\\_series](http://www.3gpp.org/ftp/Specs/archive/09_series)

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<b>TS 09.14</b>	<b>Application of ISDN User Part (ISUP) Version 3 for the Integrated Services Digital Network (ISDN) - Public Land Mobile Network (PLMN) signalling interface; Paart 1: Protocol</b>
R99	<i>current version:</i> none <i>freeze_meeting:</i> SP-06 <i>history (event, available, version, comments):</i> WITHDRAWN 2000-05-29 8 . 0 . 0
	<i>WG (prime / other):</i> TISPAN / N4 <i>G:</i> yes <i>U:</i> <i>rapporteur:</i> SPORTON, Simon VODAFONE Group Plc <i>MCC:</i>
	<a href="#">get it</a> <i>remarks - general:</i> EN 302 646 <i>remarks - this release:</i> May00: Possibly no need for an update.

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<b>TS 09.18</b>	<b>General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification</b>
R99	<i>current version:</i> none <i>freeze_meeting:</i> SP-06 <i>history (event, available, version, comments):</i> smg-29 1999-06-25 8 . 0 . 0
	<i>WG (prime / other):</i> N1 / - <i>G:</i> yes <i>U:</i> <i>rapporteur:</i> DAWES, Peter VODAFONE LTD <i>MCC:</i> JORGENSEN, Per Johan
	<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i> #29: 8.0.0 (to be deleted, moved to 3GPP)

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<b>TR 09.94</b>	<b>Recommended infrastructure measures to overcome specific Mobile Station (MS) faults</b>
R99	<i>current version:</i> none <i>freeze_meeting:</i> <i>history (event, available, version, comments):</i>
	<i>WG (prime / other):</i> N1 / - <i>G:</i> yes <i>U:</i> <i>rapporteur:</i> ANDERSEN, Niels Peter MOTOROLA A/S Skov <i>MCC:</i> JORGENSEN, Per Johan
	<i>remarks - general:</i> <i>remarks - this release:</i> 2002-05-02 (Hietalahti): Anticipate resurrection as null document pointing to latest Release version. 2002-05-07 (Hietalahti): scrap R99 in favour of 29.994.

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R99 10 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/10\\_series](http://www.3gpp.org/ftp/Specs/archive/10_series)

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<b>TR 10.43</b>	<b>Support of Localised Service Area (SoLSA); Work Item Status</b>
R99	<i>current version:</i> none <i>freeze_meeting:</i> SP-06 <i>history (event, available, version, comments):</i> draft 1998-04-17 1 . 2 . 0 empty! smg-28 1999-06-30 1 . 11 . 0
	<i>WG (prime / other):</i> S1 / - <i>G:</i> yes <i>U:</i> <i>rapporteur:</i> KOKKOLA, Tommi NOKIA Corporation <i>MCC:</i> CLAYTON, Michael
	<a href="#">get it</a> <i>remarks - general:</i> <a href="#">get it</a> <i>remarks - this release:</i> #25: 1.11.0 #30b: 1.11.0 2001-April:Clayton: stopped.

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs R99 10 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/10\\_series](http://www.3gpp.org/ftp/Specs/archive/10_series)

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<b>TR 10.57</b>	<b>Project scheduling and open issues: Mobile Station Execution Environment (MExE)</b>				
R99	<i>current version:</i> none <i>freeze_meeting:</i> SP-06	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> RODERMUND, Friedhelm/Vodafone D2 GmbH		
		G: yes U:	MCC: RODERMUND, Friedhelm		
	<i>history (event, available, version, comments):</i> WITHDRAWN 2000-03-14 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> TSG#9:withdrawn cos contains misleading information/references <i>remarks - this release:</i> No R99 impact.		
<hr/>					
<b>TR 10.76</b>	<b>Noise suppression for the AMR codec; Project scheduling and open issues</b>				
R99	<i>current version:</i> none <i>freeze_meeting:</i> SP-06	<i>WG (prime / other):</i> S4 /	<i>rapporteur:</i> N, A	Indicate persons who left Company and wait for new One	
		G: yes U:	MCC: USAI, Paolino		
	<i>history (event, available, version, comments):</i> draft 1999-08-15 0 . 0 . 8 draft 1999-10-15 1 . 0 . 0 2002-01-23: Usai indicates "stopped".	<a href="#">get it</a> <a href="#">get it</a>	<i>remarks - general:</i> 2002-01-23: Usai indicates "stopped". <i>remarks - this release:</i> 2002-01-23: Usai indicates "stopped".		
<hr/>					
<b>TS 10.89</b>	<b>GSM to other Systems Handover and Cell Selection/Reselection; Project scheduling and open issues;</b>				
R99	<i>current version:</i> none <i>freeze_meeting:</i> SP-06	<i>WG (prime / other):</i> GP / -	<i>rapporteur:</i> ISAACS, Ken	SIEMENS AG	
		G: yes U:	MCC: USAI, Paolino		
	<i>history (event, available, version, comments):</i> draft 2000-03-14 0 . 0 . 3 draft 2000-04-08 0 . 0 . 4 draft 2000-04-19 0 . 0 . 5 draft 2000-08-04 0 . 0 . 6 2002-01-23: Usai indicates "stopped".	<a href="#">get it</a> <a href="#">get it</a> <a href="#">get it</a> <a href="#">get it</a>	<i>remarks - general:</i> 2002-01-23: Usai indicates "stopped". <i>remarks - this release:</i> 2002-01-23: Usai indicates "stopped".		

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R99 11 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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<b>TS 11.10-2</b>	<b>Mobile station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification</b>				
R99	<i>current version:</i> none <i>freeze_meeting:</i> SP-06	<i>WG (prime / other):</i> G3new/ S1 / NP / T2 / SCP	<i>rapporteur:</i> SALMERON, Lidia	TELEPLUS LIMITED	
		G: yes U:	MCC: CLAYTON, Michael		
	<i>history (event, available, version, comments):</i> Upgrade to R99 2000-06-30 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> 2001-11-19: G4->G5. <i>remarks - this release:</i> proposed, but nya; flagged as withdrawn at SMG#32 to make life easier		

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs R99 11 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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**TS 11.10-3 Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)**  
R99 *current version:* none *WG (prime / other):* G3new/ S1 / *rapporteur:* SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* SP-06 NP /  
T2 /  
SCP  
G: yes U: MCC: CLAYTON, Michael  
*history (event, available, version, comments):*  
Upgraded to R99 2000-06-30 8 . 0 . 0 [get it](#) *remarks - general:* 2001-11-19: G4->G5.  
*remarks - this release:* skipped straight to R00.

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**TS 11.18 Specification of the 1.8 Volt Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface**  
R99 *current version:* none *WG (prime / other):* T3 / - *rapporteur:* LINDHOLM, Rune NOKIA Corporation  
*freeze\_meeting:* SP-06 G: yes U: MCC: JURISIC, Andrijana  
*history (event, available, version, comments):*  
Upgrade to R99 2000-06-30 8 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* Sanders Oct 2000: Effectively replaced by 31.101.

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R99 21 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/21\\_series](http://www.3gpp.org/ftp/Specs/archive/21_series)

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**TS 21.010 reserved**  
R99 *current version:* none *WG (prime / other):* SP / - *rapporteur:* VACANT,  
*freeze\_meeting:* SP-06 G: U: yes MCC: POPE, Maurice  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* 3.0.0 dates from June 99

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**TS 21.100 3G specification handling procedures**  
R99 *current version:* none *WG (prime / other):* - / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
*freeze\_meeting:* SP-06 G: U: yes MCC: N, A  
*history (event, available, version, comments):*  
SP-08 2000-06-28 1 . 0 . 0 [get it](#) *remarks - general:* Knobbled prior to SA#8.  
*remarks - this release:*

G = required in systems with GERAN acces; U = required in systems with UMTS access.



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**TS 21.906 reserved**  
R99 *current version:* none  
*freeze\_meeting:* SP-06  
*history (event, available, version, comments):*  
First complete draft 1999-03-04 0 . 0 . 0  
SP-03 3 . 0 . 0

*WG (prime / other):* - /  
G: U: yes

*rapporteur:* CLAYTON, Michael  
MCC: N, A

EMCOM Ltd

[get it](#) *remarks - general:*  
*remarks - this release:* .

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R99 **22** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

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**TS 22.043 Support of Localized Service Area (SoLSA); Service description; Stage 1**  
R99 *current version:* none  
*freeze\_meeting:* SP-05  
*history (event, available, version, comments):*  
SP-05 1999-10-13 3 . 0 . 1  
SP-08 2000-06-28 3 . 1 . 0

*WG (prime / other):* S1 / -  
G: yes U: yes

*rapporteur:* KOKKOLA, Tommi  
MCC: CLAYTON, Michael

NOKIA Corporation

[get it](#) *remarks - general:* Transfer>TSG#4  
[get it](#) *remarks - this release:* Jan-2001: SA1 scrapped this spec and reverted to GSM-only 02.43.

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**TS 22.053 Tandem Free Operation (TFO); Service description; Stage 1**  
R99 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version, comments):*  
SP-06 3 . 0 . 0

*WG (prime / other):* S4 / -  
G: yes U: yes

*rapporteur:* NAVARRO, William  
MCC: USAI, Paolino

NORTEL NETWORKS (EUROPE)

*remarks - general:* Transfer>TSG#4.  
*remarks - this release:* 2001-01-22: Scrapped. 02.53 is retained.

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**TR 22.907 Terminal concepts**  
R99 *current version:* none  
*freeze\_meeting:* SP-03  
*history (event, available, version, comments):*  
Table of Contents 1997-10-19 0 . 0 . 2  
and Scope  
First complete draft 1997-12-19 1 . 0 . 0  
WG approval 1998-02-15 2 . 0 . 0  
smg-25 1998-03-20 3 . 0 . 0  
SP-03 1999-04-22 3 . 1 . 2  
SP-04 1999-06-23 3 . 1 . 3

*WG (prime / other):* - / -  
G: U: yes

*rapporteur:* TOLVANEN, Mika  
MCC: N, A

NOKIA MOBILE PHONES

[get it](#) *remarks - general:* CR at TSG#4 Not maintained  
*remarks - this release:* Withdrawn (Clayton 2000-02-11)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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Server location: [http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

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<b>TR 22.924</b>	<b>Charging and accounting mechanisms</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> MONTEGROSSO, Emanuele	TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> SP-03	G: U: yes	MCC: N, A		
<i>history (event, available, version, comments):</i>					
Table of Contents and Scope	1997-10-19	0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>	
First complete draft	1997-12-19	1 . 2 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .	
WG approval	1997-02-15	2 . 0 . 0	<a href="#">get it</a>		
smg-25	1998-03-20	3 . 0 . 0	<a href="#">get it</a>		
smg-28	1999-02-15	3 . 1 . 0	<a href="#">get it</a>		
SP-03	1999-04-23	3 . 1 . 1	<a href="#">get it</a>		
<hr/>					
<b>TR 22.925</b>	<b>Quality of Service (QoS) and network performance</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> ERIKSSON, Olle	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> SP-03	G: U: yes	MCC: N, A		
<i>history (event, available, version, comments):</i>					
First complete draft	1997-06-13	1 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
WG approval	1997-12-19	2 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .	
smg-25	1998-03-20	3 . 0 . 0	<a href="#">get it</a>		
SP-03	1999-04-23	3 . 1 . 1	<a href="#">get it</a>		
<hr/>					
<b>TR 22.960</b>	<b>Mobile multimedia services</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> AHNBERG, Tomas	Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i> SP-03	G: U: yes	MCC: N, A		
<i>history (event, available, version, comments):</i>					
Table of Contents and Scope	1997-10-17	0 . 0 . 4	<a href="#">get it</a>	<i>remarks - general:</i>	
First complete draft	1997-12-19	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .	
WG approval	1997-02-15	2 . 0 . 0	<a href="#">get it</a>		
SP-03	1999-04-23	3 . 0 . 1	<a href="#">get it</a>		withdrawn
<hr/>					
<b>TR 22.970</b>	<b>Virtual Home Environment (VHE) Report</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> OGUNBEKUN, Jumoke	FUJITSU Laboratories of Europe Limited	
	<i>freeze_meeting:</i> SP-03	G: U: yes	MCC: N, A		
<i>history (event, available, version, comments):</i>					
SP-03	1999-04-23	3 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>	
				<i>remarks - this release:</i> .	

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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**TR 22.972** **Circuit-switched multimedia**  
R99 *current version:* none  
*freeze\_meeting:* SP-06  
*history (event, available, version, comments):*  
First complete draft 1999-04-23 0 . 0 . 0

*WG (prime / other):* - / - *rapporteur:* CLAYTON, Michael EMCOM Ltd  
*G:* *U:* yes *MCC:* N, A

[get it](#) *remarks - general:* Title grows "cct sw".  
*remarks - this release:* Withdrawn (Clayton 2000-02-11)

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R99 **23** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/23\\_series](http://www.3gpp.org/ftp/Specs/archive/23_series)

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**TS 23.010** **GSM Public Land Mobile Network (PLMN) Connection Types**  
R99 *current version:* none  
*freeze\_meeting:* SP-08  
*history (event, available, version, comments):*  
SP-03 1999-05-30 3 . 0 . 0

*WG (prime / other):* - / - *rapporteur:* DETTNER, Harald SIEMENS AG  
*G:* *U:* yes *MCC:* N, A

[get it](#) *remarks - general:* superseded by 23.910  
*remarks - this release:* TSG#7:3.0.0 - later scrapped

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**TS 23.022** **Functions related to Mobile Station (MS) in idle mode and group receive mode**  
R99 *current version:* none  
*freeze\_meeting:* SP-06  
*history (event, available, version, comments):*  
SP-03 1999-04-23 3 . 0 . 0  
SP-04 1999-06-23 3 . 1 . 0

*WG (prime / other):* - / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*G:* yes *U:* yes *MCC:* Skov  
N, A

[get it](#) *remarks - general:* Superseded by 23.122  
[get it](#) *remarks - this release:* 3.1.0 dates from June 99

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**TS 23.043** **Support of Videotex**  
R99 *current version:* none  
*freeze\_meeting:* SP-08  
*history (event, available, version, comments):*  
SP-03 1999-05-30 3 . 0 . 0

*WG (prime / other):* - / - *rapporteur:* DETTNER, Harald SIEMENS AG  
*G:* *U:* yes *MCC:* N, A

[get it](#) *remarks - general:*  
*remarks - this release:* 3.0.0 Apr 99 - later scrapped

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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<b>TS 23.044</b>	<b>Support of Teletex</b>					
R99	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> DETTNER, Harald	SIEMENS AG		
	<i>freeze_meeting:</i> SP-08	G: U: yes	<i>MCC:</i> N, A			
	<i>history (event, available, version, comments):</i> SP-03 1999-05-30 3 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> 3.0.0 Apr 99 - later scrapped
<hr/>						
<b>TS 23.045</b>	<b>Technical Realization of Facsimile Group 3 Service - transparent</b>					
R99	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> DI TRIA, Paolo	Telecom Italia Lab S.p.A.		
	<i>freeze_meeting:</i> SP-08	G: U: yes	<i>MCC:</i> N, A			
	<i>history (event, available, version, comments):</i> SP-03 1999-04-23 3 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> Version 8.x.x exists <i>remarks - this release:</i> 3.0.0 Apr 99 - reverts to 03.45 v8.0.0
<hr/>						
<b>TS 23.046</b>	<b>Technical realisation of facsimile Group 3 service - non-transparent</b>					
R99	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat		
	<i>freeze_meeting:</i> SP-06	G: U: yes	<i>MCC:</i> N, A			
	<i>history (event, available, version, comments):</i> SP-03 1999-04-23 3 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> superseded by 23.146 <i>remarks - this release:</i> 3.0.0 Apr 99
<hr/>						
<b>TS 23.054</b>	<b>Shared Interworking Functions (SIWF); Stage 2</b>					
R99	<i>current version:</i> none	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> ROSTÖ, Tommy	Indicate persons who left Company and wait for new One		
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version, comments):</i> NP-03 1999-04-23 3 . 0 . 0 NP-13: withdrawn				<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> NP-13: withdrawn.
<hr/>						
<b>TS 23.069</b>	<b>Voice Broadcast service (VBS); Stage 2</b>					
R99	<i>current version:</i> none	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> DETTNER, Harald	SIEMENS AG		
	<i>freeze_meeting:</i> SP-06	G: U: yes	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version, comments):</i> NP-03 1999-04-23 3 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> Reverts to 03.69 R99. <i>remarks - this release:</i> 3.0.0 Apr 99 - Reverts to 03.69 R99.

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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<b>TS 23.070</b>	<b>Routing of calls to/from Public Data Networks (PDN) and the GSM Public Land Mobile Network (PLMN)</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> KOSYDAR, L	Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	<i>MCC:</i> N, A		
<i>history (event, available, version, comments):</i>					
	SP-03 1999-04-23	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	N3 indicates not required for R99, so revert to 03.70 R98.
				<i>remarks - this release:</i>	withdrawn NP-06
<hr/>					
<b>TS 23.071</b>	<b>Location Services (LCS); Functional description; Stage 2</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> STEER, David G	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> SP-08	G: U: yes	<i>MCC:</i> N, A		
<i>history (event, available, version, comments):</i>					
	SP-04 1999-05-30	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	superseded by 25.305
				<i>remarks - this release:</i>	.
<hr/>					
<b>TS 23.073</b>	<b>Support of Localised Service Area (SoLSA); Stage 2</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB	
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo		
<i>history (event, available, version, comments):</i>					
	NP-05 1999-10-13	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4. 2001-10-09 Rapporteur changed from Ch Homann.
	edito 2000-06-06	3 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>	SP-16: reverts to 03.73 since applies to GERAN systems only.
					SP-16: reverts to 03.73 since applies to GERAN systems only.
<hr/>					
<b>TS 23.920</b>	<b>Evolution of the GSM platform towards UMTS</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> DANIEL, Elizabeth	Lucent Technologies Network Systems UK	
	<i>freeze_meeting:</i> SP-08	G: yes U: yes	<i>MCC:</i> N, A		
<i>history (event, available, version, comments):</i>					
	Table of Contents and Scope	1997-10-17	0 . 0 . 3	<a href="#">get it</a>	<i>remarks - general:</i>
	Transfer to SP SA	1999-03-04	0 . 6 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> Stopped TSG#6
	SP-03	1999-04-23	1 . 0 . 0	<a href="#">get it</a>	
	WG approval	1999-04-01	1 . 0 . 0	<a href="#">get it</a>	
	First complete draft	1999-04-01	1 . 0 . 0	<a href="#">get it</a>	
	SP-04	1999-06-23	3 . 0 . 0	<a href="#">get it</a>	
	SP-05	1999-10-13	3 . 1 . 0	<a href="#">get it</a>	

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<b>TR 23.922</b>	<b>Architecture for an All IP network</b>								
R99	<i>current version:</i> none			<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> DANIEL, Elizabeth	Lucent Technologies Network Systems UK			
	<i>freeze_meeting:</i> SP-06			G: yes U: yes	<i>MCC:</i> YOON, Sang-Ui				
	<i>history (event, available, version, comments):</i>								
	SP-05 1999-10-13 1 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> TSG#5: 1.0.0				
					<i>remarks - this release:</i> Was suspected to be v3.0.0, but evidently not so. Sultan, Apr-2001: abandoned in early 2000; replaced by 23.228 and 23.221.				
<hr/>									
<b>TR 23.925</b>	<b>UMTS Core network based ATM transport</b>								
R99	<i>current version:</i> none			<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> ROUZ, Adel	FUJITSU Laboratories of Europe Limited			
	<i>freeze_meeting:</i> SP-06			G: yes U: yes	<i>MCC:</i> YOON, Sang-Ui				
	<i>history (event, available, version, comments):</i>								
	Table of Contents 1999-04-22 0 . 0 . 1			<a href="#">get it</a>	<i>remarks - general:</i> Oct 00: S2 Secretary indicates this spec is out of date and should be withdrawn. SP-				
	and Scope				<i>remarks - this release:</i> SP-20: stopped 20: stopped				
	SP-03 1999-04-23 0 . 2 . 0 (caution: doc may be corrupted)			<a href="#">get it</a>					
<hr/>									
<b>TR 23.927</b>	<b>VHE, Open Service Architecture (OSA)</b>								
R99	<i>current version:</i> none			<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd			
	<i>freeze_meeting:</i> SP-06			G: yes U: yes	<i>MCC:</i> N, A				
	<i>history (event, available, version, comments):</i>								
	First complete draft 1999-04-23 0 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Replaced by 23.127				
	SP-03 1999-04-23 0 . 1 . 0 withdrawn			<a href="#">get it</a>	<i>remarks - this release:</i> Withdrawn (Clayton 2000-02-11).				
<hr/>									
<b>TR 23.960</b>	<b>Framework of network functions to support multimedia services</b>								
R99	<i>current version:</i> none			<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> GABE, Axel	SIEMENS AG			
	<i>freeze_meeting:</i> SP-06			G: yes U: yes	<i>MCC:</i> N, A				
	<i>history (event, available, version, comments):</i>								
	SP-03 1999-04-23 0 . 1 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i> .				

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R99

24 .- series

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<b>TS 24.012</b>	<b>Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface</b>					
R99	<i>current version:</i> none	<i>WG (prime / other):</i> G2 / N2	<i>rapporteur:</i> AL -BAKRI, Ban	MOTOROLA S.A.S		
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version, comments):</i> SP-05 1999-10-13 3 . 0 . 0					
		<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4; N#9:proposed to scrap this spec and return it to 2g status (04.12			
			<i>remarks - this release:</i> Replaced by 04.12 R99. R99) and shift responsibility to G2 (and should have been			
	N2 anyway). Agreed to					
			txfer to G2, but still as 24.012.			
<hr/>						
<b>TS 24.065</b>	<b>General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDP)</b>					
R99	<i>current version:</i> none	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat		
	<i>freeze_meeting:</i> SP-12	G: U: yes	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version, comments):</i> NP-03 1999-04-23 3 . 0 . 0 NP-04 1999-05-27 3 . 1 . 0					
		<a href="#">get it</a>	<i>remarks - general:</i> Scrapped: is GSM only			
		<a href="#">get it</a>	<i>remarks - this release:</i> 2000-02-14: To revert to 2g only 04.65, 24.165 may be required. 2000-11-08			
			withdrawn; not required for 3G.			
<hr/>						
<b>TS 24.068</b>	<b>Group Call Control (GCC) Protocol</b>					
R99	<i>current version:</i> none	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)		
	<i>freeze_meeting:</i> SP-06	G: U: yes	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version, comments):</i> NP-03 3 . 0 . 0 NP-04 3 . 1 . 0					
			<i>remarks - general:</i> GSM only for R99.			
			<i>remarks - this release:</i> GSM only for R99.			
<hr/>						
<b>TS 24.069</b>	<b>Broadcast Call Control (BCC) protocol</b>					
R99	<i>current version:</i> none	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)		
	<i>freeze_meeting:</i> SP-06	G: U: yes	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version, comments):</i> NP-03 3 . 0 . 0 NP-04 3 . 1 . 0					
			<i>remarks - general:</i> GSM only for R99.			
			<i>remarks - this release:</i> GSM only for R99.			
<hr/>						
<b>TS 24.094</b>	<b>Follow Me; Stage 3</b>					
R99	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> BERGMANN, Ansgar	Deutsche Telekom AG		
	<i>freeze_meeting:</i> SP-06	G: U: yes	<i>MCC:</i> N, A			
	<i>history (event, available, version, comments):</i>					
			<i>remarks - general:</i> TF139 proposes to abandon; not needed. USSD does all.			
			<i>remarks - this release:</i> USSD does all. No draft expected.			

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**TS 25.053 Tandem Free Operation (TFO); Service description; Stage 2**

R99 *current version:* none *WG (prime / other):* - / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
*freeze\_meeting:* SP-06 *G:* yes *U:* yes *MCC:* N, A  
*history (event, available, version, comments):*  
*remarks - general:* No draft. Anyway, should have been 23.053.  
*remarks - this release:* no draft ever materialised

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**TS 25.103 RF parameters in support of RRM**

R99 *current version:* none *WG (prime / other):* - / - *rapporteur:* FRANCESCHI, Olle Nippon Ericsson K.K.  
*freeze\_meeting:* SP-06 *G:* yes *U:* yes *MCC:* N, A  
*history (event, available, version, comments):*  
First complete draft 1999-03-04 0 . 0 . 0 [get it](#) *remarks - general:* Withdrawn in favour of 25.123 & 25.133  
NP-03 1999-04-23 0 . 1 . 0 [get it](#) *remarks - this release:* Withdrawn  
NP-04 1999-06-23 1 . 0 . 0 [get it](#)  
NP-05 1999-10-13 2 . 0 . 0 [get it](#)

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**TR 25.831 Study Items for future release**

R99 *current version:* none *WG (prime / other):* R3 / - *rapporteur:* DREVON, Nicolas ALCATEL S.A.  
*freeze\_meeting:* SP-06 *G:* U: yes *MCC:* CALDENHOVEN, Juergen  
*history (event, available, version, comments):*  
RP-03 1999-04-23 0 . 0 . 0 [get it](#) *remarks - general:*  
RP-04 1999-06-23 0 . 0 . 2 [get it](#) *remarks - this release:* RP-19 (post R3-31): stopped.

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**TR 25.923 Stage 2 Functional Specification of Location Services in UTRAN**

R99 *current version:* none *WG (prime / other):* - / - *rapporteur:* STEER, David G NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* SP-06 *G:* U: yes *MCC:* N, A  
*history (event, available, version, comments):*  
draft 1999-04-30 1 . 0 . 0 [get it](#) *remarks - general:* superseded by 25.305  
draft 1999-09-01 1 . 2 . 0 [get it](#) *remarks - this release:* .  
draft 1999-09-30 1 . 4 . 0 [get it](#)

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## TR 25.926 UE Radio Access capabilities definition

R99 *current version:* none  
*freeze\_meeting:* SP-07  
*history (event, available, version, comments):*

RP-05	1999-10-13	0	0	0
R2-08	1999-11-30	0	1	0
R2-09	1999-12-17	1	0	0
RP-07	2000-03-15	3	0	0
RP-08	2000-06-23	3	1	0
RP-08	2000-10-06	3	2	0
RP-10	2000-12-15	3	3	0

*WG (prime / other):* R2 / - *rapporteur:* LUNDSJÖ, Johan Ericsson AB  
*G:* *U:* yes *MCC:* ARZELIER, Claude

[get it](#) *remarks - general:* ->25.306 Nov 00.  
[get it](#) *remarks - this release:* Nov00->25.306 but first ->TSG#10:3.3.0  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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## TR 25.990 Vocabulary for UTRAN

R99 *current version:* none  
*freeze\_meeting:* SP-05  
*history (event, available, version, comments):*

RP-03	1999-04-23	0	0	2
RP-04	1999-06-23	0	1	4
RP-05	1999-10-13	3	0	0

*WG (prime / other):* R4 / - *rapporteur:* OKRAH, Peter Motorola Inc.  
*G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

[get it](#) *remarks - general:* ->21.905  
[get it](#) *remarks - this release:* Will be withdrawn when 21.905 is updated with all the contents of this TR. RP-15; the update was done at RP-13, so this can now be withdrawn.  
[get it](#)

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## TR 25.998 UTRAN recommendation and UE allowance for non-essential corrections of a feature made only in a later release

R99 *current version:* none  
*freeze\_meeting:*  
*history (event, available, version, comments):*

*WG (prime / other):* R2 / *rapporteur:* FAUCONNIER, Denis NORTEL NETWORKS (EUROPE)  
*G:* *U:* yes *MCC:* ARZELIER, Claude

*remarks - general:* This is NOT the same as 25.995! Title to be reviewed. RP-23: RAN rejected the notion  
*remarks - this release:* No technical contents, merely a pointer to the latest Release version. of this TR, so

stopped.

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R99 26 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/26\\_series](http://www.3gpp.org/ftp/Specs/archive/26_series)

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<b>TS 26.075</b>	<b>Performance characterization of the Adaptive Multi-Rate (AMR) speech codec</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> EKUDDEN, Erik	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> SP-07	G: yes U: yes	<i>MCC:</i> N, A		
	<i>history (event, available, version, comments):</i>				
	SP-03	1999-04-23	0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Created TSG#6. Replaced by '975 at TSG#7.
	SP-06	1999-12-17	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> replaced by 26.975
	SP-05	1999-10-13	1 . 0 . 0	<a href="#">get it</a>	
	SP-04	1999-06-23	1 . 0 . 0	<a href="#">get it</a>	
	Editorial	2000-06-23	1 . 2 . 0	<a href="#">get it</a>	
<hr/>					
<b>TS 26.112</b>	<b>Codec(s) for Circuit Switched Multimedia Telephony Service; Call Set-up Requirements</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> HONKO, Harri	NOKIA Corporation	
	<i>freeze_meeting:</i> SP-07	G: U: yes	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
	SP-03	1999-04-26	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
	SP-04	1999-06-23	1 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> Contents ultimately transferred to 24.008.
<hr/>					
<b>TS 26.115</b>	<b>Echo control for speech and multi-media services</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> SP-07	G: U: yes	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
	Creation of WI by	2000-02-02	0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>
	WG/TB				<i>remarks - this release:</i> Feb00: 0.0.1 - Withdrawn in favour of 26.915; will be reinstated for Rel-4.
<hr/>					
<b>TS 26.121</b>	<b>Technical Specification for Tandem Free Operation within 3G networks</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> OHANA, Alain	Cingular Wireless LLC	
	<i>freeze_meeting:</i> SP-08	G: U: yes	<i>MCC:</i> N, A		
	<i>history (event, available, version, comments):</i>				
	<i>remarks - general:</i>				
	<i>remarks - this release:</i> .				
<hr/>					
<b>TS 26.122</b>	<b>Technical Specification for Tandem Free Operation between 3G and 2G networks</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> OHANA, Alain	Cingular Wireless LLC	
	<i>freeze_meeting:</i> SP-07	G: U: yes	<i>MCC:</i> N, A		
	<i>history (event, available, version, comments):</i>				
	<i>remarks - general:</i>				
	<i>remarks - this release:</i> .				

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<b>TS 26.133</b>	<b>Wide band speech telephony terminal acoustic characteristics</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> S4 /	<i>rapporteur:</i> BARRETT, Paul	Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i> SP-06				
	<i>history (event, available, version, comments):</i>	G: U: yes	<i>MCC:</i> USAI, Paolino		
			<i>remarks - general:</i> Stopped: Included in 26.131 & '132.		
			<i>remarks - this release:</i> .		
<hr/>					
<b>TS 26.134</b>	<b>Wide band speech telephony terminal acoustic test specification</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> S4 /	<i>rapporteur:</i> BARRETT, Paul	Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i> SP-06				
	<i>history (event, available, version, comments):</i>	G: U: yes	<i>MCC:</i> USAI, Paolino		
			<i>remarks - general:</i> Stopped: Included in 26.131 & '132.		
			<i>remarks - this release:</i> .		
<hr/>					
<b>TS 26.135</b>	<b>Terminal Display and Camera Characteristics for H.324 Narrow-band Video Telephony</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> S4 /	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> SP-06	G: yes U: yes	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
			<i>remarks - general:</i> Stopped: Included in 26.131 & '132.		
			<i>remarks - this release:</i> .		
<hr/>					
<b>TS 26.136</b>	<b>Terminal Display and Camera Test Specifications for H.324 Narrow-band Video Telephony</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> S4 /	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> SP-06	G: U: yes	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
			<i>remarks - general:</i> Stopped: Included in 26.131 & '132.		
			<i>remarks - this release:</i> .		
<hr/>					
<b>TS 26.137</b>	<b>Terminal Display and Camera Characteristics for H.323 Narrow-band Video Telephony</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> S4 /	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> SP-06	G: U: yes	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
			<i>remarks - general:</i> Stopped: Included in 26.131 & '132.		
			<i>remarks - this release:</i> .		

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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WITHDRAWN specs R99 26 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/26\\_series](http://www.3gpp.org/ftp/Specs/archive/26_series)

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**TS 26.138 Terminal Display and Camera Test Specifications for H.323 Narrow-band Video Telephony**  
R99 *current version: none* *WG (prime / other): S4 /* *rapporteur: USAI, Paolino* TELECOM ITALIA S.p.A.  
*freeze\_meeting: SP-06* *G: U: yes* *MCC: USAI, Paolino*  
*history (event, available, version, comments):*  
*remarks - general: Stopped: Included in 26.131 & '132.*  
*remarks - this release: .*

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**TR 26.913 Quantitative performance evaluation of real-time packet switched multimedia services over 3G**  
R99 *current version: none* *WG (prime / other): S4 / -* *rapporteur: HONKO, Harri* NOKIA Corporation  
*freeze\_meeting: SP-06* *G: U: yes* *MCC: USAI, Paolino*  
*history (event, available, version, comments):*  
SP-03 1999-04-23 0 . 0 . 0 [get it](#) *remarks - general:*  
SP-04 1999-06-23 0 . 0 . 1 [get it](#) *remarks - this release: No work, will never appear as 3.0.0 (Usai, Mar 2001) 2001-07:Usai: withdrawn.*

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R99 28 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/28\\_series](http://www.3gpp.org/ftp/Specs/archive/28_series)

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**TS 28.062 Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3**  
R99 *current version: none* *WG (prime / other): S4 / -* *rapporteur: SUERBAUM, Clemens* SIEMENS AG  
*freeze\_meeting: SP-06* *G: yes U: yes* *MCC: USAI, Paolino*  
*history (event, available, version, comments):*  
SP-05 1999-10-13 3 . 0 . 0 [get it](#) *remarks - general: Transfer>TSG#4*  
*remarks - this release: withdrawn from R99.*

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R99 29 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/29\\_series](http://www.3gpp.org/ftp/Specs/archive/29_series)

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**TS 29.004 Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)**  
R99 *current version: none* *WG (prime / other): N3 / -* *rapporteur: BOSWARTHICK, David* ETSI Secretariat  
*freeze\_meeting: SP-08* *G: U: yes* *MCC: BOSWARTHICK, David*  
*history (event, available, version, comments):*  
SP-03 1999-04-23 3 . 0 . 0 [get it](#) *remarks - general: N3 indicates not required for R99, so revert to 09.04 R98.*  
*remarks - this release:*

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs R99 29 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/29\\_series](http://www.3gpp.org/ftp/Specs/archive/29_series)

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<b>TS 29.005</b>	<b>Interworking between the Public Land Mobile Network (PLMN) and the Packet Switched Public Data Network (PSPDN) for Packet Assembly/Disassembly (PAD) facility access</b>
R99	<i>current version:</i> none
	<i>freeze_meeting:</i> SP-08
	<i>history (event, available, version, comments):</i> SP-03 1999-04-23 3 . 0 . 0
	<i>WG (prime / other):</i> N3 / -
	<i>G:</i> U: yes
	<i>rapporteur:</i> BOSWARTHICK, David ETSI Secretariat
	<i>MCC:</i> BOSWARTHICK, David
	<a href="#">get it</a> <i>remarks - general:</i> N3 indicates not required for R99, so revert to 09.05 R98.
	<i>remarks - this release:</i>

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<b>TS 29.006</b>	<b>Interworking between a PLMN and the ISDN or PSTN for support of Packet Switched data transmission services</b>
R99	<i>current version:</i> none
	<i>freeze_meeting:</i> SP-03
	<i>history (event, available, version, comments):</i> SP-03 1999-04-23 3 . 0 . 0
	<i>WG (prime / other):</i> N3 / -
	<i>G:</i> yes <i>U:</i> yes
	<i>rapporteur:</i> BRAUN, Achim Indicate persons who left Company and wait for new One
	<i>MCC:</i> BOSWARTHICK, David
	<a href="#">get it</a> <i>remarks - general:</i> N3 indicates not required for R99, so revert to 09.06 R98.
	<i>remarks - this release:</i> withdrawn NP-06

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<b>TR 29.993</b>	<b>Modifications to be incorporated in equipment to cater for errors in the standards</b>
R99	<i>current version:</i> none
	<i>freeze_meeting:</i>
	<i>history (event, available, version, comments):</i>
	<i>WG (prime / other):</i> RP / -
	<i>G:</i> yes <i>U:</i> yes
	<i>rapporteur:</i> COURAU, François ALCATEL S.A.
	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar
	<i>remarks - general:</i> RP-19: stopped.
	<i>remarks - this release:</i> .

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R99      30 .- series      Server location: [http://www.3gpp.org/ftp/Specs/archive/30\\_series](http://www.3gpp.org/ftp/Specs/archive/30_series)

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WITHDRAWN specs R99 30 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/30\\_series](http://www.3gpp.org/ftp/Specs/archive/30_series)

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## TR 30.531 Work Plan and Study Items - RAN WG3

R99 *current version:* none  
*freeze\_meeting:* SP-06  
WG (prime / other): R3 / - *rapporteur:* KRAUSE, Joern SIEMENS AG  
G: U: yes *MCC:* CALDENHOVEN, Juergen

*history (event, available, version, comments):*

draft	1999-02-15	0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>
draft	1999-03-15	0 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release:</i> 2003-01-14: R99 stopped. Work continues, but for later Release. Skip straight to Rel-6
draft	1999-04-15	0 . 0 . 3	<a href="#">get it</a>	
RP-03	1999-04-23	0 . 1 . 0	<a href="#">get it</a>	
draft	1999-05-15	0 . 1 . 1	<a href="#">get it</a>	
RP-04	1999-06-23	0 . 1 . 2	<a href="#">get it</a>	
RP-05	1999-10-13	0 . 3 . 1	<a href="#">get it</a>	
draft	1999-10-30	0 . 3 . 2	<a href="#">get it</a>	
draft	1999-11-15	0 . 4 . 0	<a href="#">get it</a>	
draft	1999-11-30	0 . 4 . 1	<a href="#">get it</a>	
RP-06	1999-12-12	0 . 5 . 0	<a href="#">get it</a>	
draft	2000-01-15	0 . 5 . 1	<a href="#">get it</a>	
draft	2000-02-15	0 . 6 . 0	<a href="#">get it</a>	
draft	2000-02-20	0 . 6 . 1	<a href="#">get it</a>	
RP-07	2000-03-15	0 . 7 . 0	<a href="#">get it</a>	RP-000142
draft	2000-03-30	0 . 7 . 1	<a href="#">get it</a>	
RP-08	2000-06-23	0 . 8 . 0	<a href="#">get it</a>	
RP-09	2000-08-15	0 . 8 . 1	<a href="#">get it</a>	
RP-09	2000-10-03	0 . 8 . 2	<a href="#">get it</a>	
RP-10		0 . 8 . 5		RP-000688
draft	2000-12-21	0 . 8 . 6	<a href="#">get it</a>	
RP-11	2001-03-27	0 . 8 . 8	<a href="#">get it</a>	
RP-12	2001-07-05	0 . 9 . 0	<a href="#">get it</a>	RP-010388
RP-13	2001-10-01	0 . 9 . 2	<a href="#">get it</a>	RP-010604
draft	2001-11-23	0 . 9 . 3	<a href="#">get it</a>	R3-013076
R3-42	2004-05-04	0 . 13 . 1	<a href="#">get it</a>	R3-040684

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R99

31 .- series

Server location: [http://www.3gpp.org/ftp/Specs/archive/31\\_series](http://www.3gpp.org/ftp/Specs/archive/31_series)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs R99 31 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/31\\_series](http://www.3gpp.org/ftp/Specs/archive/31_series)

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<b>TR 31.900</b>	<b>SIM/USIM internal and external interworking aspects</b>						
R99	<i>current version:</i> none		<i>WG (prime / other):</i> T3 /	<i>rapporteur:</i> KALINER, Stefan		T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> TP-12		<i>G:</i> U: yes	<i>MCC:</i> JURISIC, Andrijana			
	<i>history (event, available, version, comments):</i>						
	TP-11	2001-04-05	1 . 0 . 0	Thought to have been approved as 3.0.0, <a href="#">get it</a>	<i>remarks - general:</i>		
				but in fact was not! (JMM after Sanders	<i>remarks - this release:</i>	TP-16: withdrawn; only Rel-5 remains valid.	
				2001-05-16)			
	TP-12		2 . 0 . 0	TP-010113			
	TP-12	2001-07-06	3 . 0 . 0	<a href="#">get it</a>			
	TP-13	2001-10-12	3 . 1 . 0	<a href="#">get it</a>			
	TP-15	2002-03-28	3 . 2 . 0	TP-16: withdrawn; only Rel-5 remains	<a href="#">get it</a>		
				valid.			

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R99 32 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/32\\_series](http://www.3gpp.org/ftp/Specs/archive/32_series)

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<b>TS 32.008</b>	<b>Subscriber and Equipment trace</b>						
R99	<i>current version:</i> none		<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> SJÖBLOM, Kai		NOKIA Corporation	
	<i>freeze_meeting:</i> SP-06		<i>G:</i> U: yes	<i>MCC:</i> N, A			
	<i>history (event, available, version, comments):</i>						
					<i>remarks - general:</i>	Existence deduced from STF139 programme. But denied by Sjöblom.	
					<i>remarks - this release:</i>	Not to be produced.	

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<b>TS 32.106</b>	<b>Configuration Management</b>						
R99	<i>current version:</i> none		<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TSE, Edwin		Ericsson Incorporated	
	<i>freeze_meeting:</i> SP-07		<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version, comments):</i>						
	SP-05	1999-10-13	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	TSG#8: split into eight parts	
	SP-06	1999-12-17	1 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	SP-08: multipart split from parent 3.0.1	
	SP-07		2 . 0 . 0				
	SP-07	2000-03-17	3 . 0 . 0	<a href="#">get it</a>			
	Editorial	2000-03-17	3 . 0 . 1	withdrawn SP-08	<a href="#">get it</a>		

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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WITHDRAWN specs R99 32 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/32\\_series](http://www.3gpp.org/ftp/Specs/archive/32_series)

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<b>TS 32.111</b>	<b>3G Fault Management</b>								
R99	<i>current version:</i> none			<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> CICCHITTO, Gaetano				SIEMENS Mobile Communications S.p.A.
	<i>freeze_meeting:</i> SP-08			G: U: yes	MCC: ZOICAS, Adrian				
	<i>history (event, available, version, comments):</i>								
	SP-05	1999-10-13	1 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	TSG#8: split into 4 parts		
	SP-06	1999-12-17	1 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	TSG#8: multipart split from parent 3.0.1		
	SP-07	2000-03-17	3 . 0 . 0		<a href="#">get it</a>				
	Editorial	2000-03-17	3 . 0 . 1		<a href="#">get it</a>				
	SP-08: split into parts	2000-06-23	3 . 1 . 0		<a href="#">get it</a>				
	Formatting	2000-07-18	3 . 2 . 0		<a href="#">get it</a>				

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R99 **33** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/33\\_series](http://www.3gpp.org/ftp/Specs/archive/33_series)

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<b>TR 33.900</b>	<b>Guide to 3G security</b>								
R99	<i>current version:</i> none			<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> BROOKSON, Charles				DTI - Department of Trade and Industry
	<i>freeze_meeting:</i> SP-06			G: U: yes	MCC: POPE, Maurice				
	<i>history (event, available, version, comments):</i>								
	SP-08	2000-06-23	1 . 2 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			
						<i>remarks - this release:</i>	New at TSG#6		

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<b>TR 33.909</b>	<b>3G Security; Report on the design and evaluation of the MILENAGE algorithm set; Deliverable 5: An example algorithm for the 3GPP authentication and key generation functions</b>								
R99	<i>current version:</i> none			<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WALKER, Michael				VODAFONE Group Plc
	<i>freeze_meeting:</i> SP-10			G: U: yes	MCC: POPE, Maurice				
	<i>history (event, available, version, comments):</i>								
	SP-10	2001-01-16	1 . 0 . 0	SP-000629	<a href="#">get it</a>	<i>remarks - general:</i>	TSG#7: Is a reference in 33.908. Was withdrawn, but reinstated at TSG#10.		
	SP-10		3 . 0 . 0	withdrawn, not needed for R99		<i>remarks - this release:</i>	TSG#7: referred to in 33.908. Had been withdrawn, but reinstated at TSG#10. SA#13: 2001-09-23 withdrawn.		

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R99 **35** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/35\\_series](http://www.3gpp.org/ftp/Specs/archive/35_series)

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WITHDRAWN specs R99 35 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/35\\_series](http://www.3gpp.org/ftp/Specs/archive/35_series)

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<b>TS 35.205</b>	<b>3G Security; Specification of the MILENAGE Algorithm Set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document</b>								
R99	<i>current version: 1: General</i>	none	<i>WG (prime / other):</i>	S3	/-	<i>rapporteur:</i>	WALKER, Michael		
VODAFONE Group Plc									
	<i>freeze_meeting:</i>	SP-10	G:	U: yes	<i>MCC:</i>	POPE, Maurice			
	<i>history (event, available, version, comments):</i>								
	SP-10	2001-05-09	3	. 0	. 0	SAGE only supplied PDF, so no real deliverable yet available - SP-000630	<a href="#">get it</a>	<i>remarks - general:</i>	ex SAGE. 2002-06: clarified that deliverable is TS not TR.
								<i>remarks - this release:</i>	TSG#10:SP-000630, not to be published till OKed by Partners. TSG#11:changed to Rel-4
<hr/>									
<b>TS 35.206</b>	<b>3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document</b>								
R99	<i>current version: 2: Algorithm specification</i>	none	<i>WG (prime / other):</i>	S3	/-	<i>rapporteur:</i>	WALKER, Michael		
VODAFONE Group Plc									
	<i>freeze_meeting:</i>	SP-10	G:	U: yes	<i>MCC:</i>	POPE, Maurice			
	<i>history (event, available, version, comments):</i>								
	SP-10	2001-05-09	3	. 0	. 0	SP-000673	<a href="#">get it</a>	<i>remarks - general:</i>	ex SAGE
								<i>remarks - this release:</i>	TSG#10:SP-000673, not to be published till OKed by Partners. TSG#11:changed to Rel-4
<hr/>									
<b>TS 35.207</b>	<b>3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document</b>								
R99	<i>current version: 3: Implementors' test data</i>	none	<i>WG (prime / other):</i>	S3	/-	<i>rapporteur:</i>	WALKER, Michael		
VODAFONE Group Plc									
	<i>freeze_meeting:</i>	SP-10	G:	U: yes	<i>MCC:</i>	POPE, Maurice			
	<i>history (event, available, version, comments):</i>								
	SP-10	2001-05-09	3	. 0	. 0	SP-000630	<a href="#">get it</a>	<i>remarks - general:</i>	ex SAGE
								<i>remarks - this release:</i>	.TSG#10:SP-000630, not to be published till OKed by Partners. TSG#11:changed to Rel-4
<hr/>									
<b>TS 35.208</b>	<b>3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document</b>								
R99	<i>current version: 4: Design conformance test data</i>	none	<i>WG (prime / other):</i>	S3	/-	<i>rapporteur:</i>	WALKER, Michael		
VODAFONE Group Plc									
	<i>freeze_meeting:</i>	SP-10	G:	U: yes	<i>MCC:</i>	POPE, Maurice			
	<i>history (event, available, version, comments):</i>								
	SP-10	2001-05-09	3	. 0	. 0	SP-000630	<a href="#">get it</a>	<i>remarks - general:</i>	ex SAGE
								<i>remarks - this release:</i>	TSG#10:SP-000630, not to be published till OKed by Partners. TSG#11:changed to Rel-4

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Server location: [http://www.3gpp.org/ftp/Specs/archive/35\\_series](http://www.3gpp.org/ftp/Specs/archive/35_series)

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**TS 35.209** 3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1\*, f2, f3, f4, f5 and f5\*; Document R99  
*current version: 5: Summary and results of design and evaluation* noneWG (prime / other): S3 /- *rapporteur:* WALKER, Michael  
VODAFONE Group Plc

*freeze\_meeting:* SP-11 G: U: yes MCC: POPE, Maurice  
*history (event, available, version, comments):*  
SP-11 3 . 0 . 0

*remarks - general:* ex SAGE  
*remarks - this release:* This turns out to be a report, so -> 35.909.

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## UMTS

UMTS 00 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/00\\_series](http://www.3gpp.org/ftp/Specs/archive/00_series)

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**TR 00.01U** Work programme for the standarization of Universal Mobile Telecommunications System (UMTS)  
UMTS *current version:* none WG (prime / other): SMG5 / *rapporteur:* RAPELI, Juha PHILIPS CONSUMER COMMUNICATION  
*freeze\_meeting:* G: U: yes MCC:  
*history (event, available, version, comments):*  
smg-03 1994-11-18 3 . 0 . 0 [get it](#) *remarks - general:*  
smg-18 1996-05-21 3 . 1 . 0 [get it](#) *remarks - this release:* .  
smg-19 1996-09-04 3 . 2 . 0 [get it](#)

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**TR 00.02U** Coordination guideline for SMG on UMTS with respect to ITU and European research programmes  
UMTS *current version:* none WG (prime / other): SMG5 / *rapporteur:* RAPELI, Juha PHILIPS CONSUMER COMMUNICATION  
*freeze\_meeting:* G: U: yes MCC:  
*history (event, available, version, comments):*  
smg-05 3 . 0 . 0 *remarks - general:*  
*remarks - this release:* .

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UMTS 01 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/01\\_series](http://www.3gpp.org/ftp/Specs/archive/01_series)

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WITHDRAWN specs UMTS 01 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/01\\_series](http://www.3gpp.org/ftp/Specs/archive/01_series)

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**TR 01.01U Universal Mobile Telecommunications System (UMTS); Objectives and overview**  
UMTS *current version:* none *WG (prime / other):* SP / - *rapporteur:* N, A Indicate persons who left Company and wait for new  
*freeze\_meeting:* One  
*G:* *U:* yes *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
ETSI publication 3 . 0 . 0  
*remarks - general:*  
*remarks - this release:* .

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**TR 01.03U Universal Mobile Telecommunications System (UMTS); System requirements**  
UMTS *current version:* none *WG (prime / other):* SMG5 / - *rapporteur:*  
*freeze\_meeting:* *G:* yes *U:* *MCC:*  
*history (event, available, version, comments):*  
ETSI publication 1996-05-15 3 . 1 . 0 withdrawn [get it](#) *remarks - general:* ETSI ETR 291 withdrawn.  
*remarks - this release:* ETSI ETR 291, withdrawn.

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**TR 01.04U Scenarios and considerations for the introduction of the Universal Mobile Telecommunications System (UMTS)**  
UMTS *current version:* none *WG (prime / other):* - / *rapporteur:* N, A Indicate persons who left Company and wait for new  
*freeze\_meeting:* One  
*G:* yes *U:* *MCC:* N, A  
*history (event, available, version, comments):*  
smg-19 1996-09-28 3 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TR 01.05U System design methodology for the UMTS**  
UMTS *current version:* none *WG (prime / other):* SMG5 / - *rapporteur:* VACANT,  
*freeze\_meeting:* *G:* yes *U:* *MCC:*  
*history (event, available, version, comments):*  
draft 1 . 0 . 0 *remarks - general:*  
*remarks - this release:* .

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UMTS **02** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs UMTS 02 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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**TS 02.01U Framework for services to be supported by UMTS**  
UMTS *current version: none* *freeze\_meeting:* WG (prime / other): - / rapporteur: N, A Indicate persons who left Company and wait for new One  
G: yes U: MCC: N, A  
*history (event, available, version, comments):*  
Suspended 1996-04-10 3 . 0 . 0 [get it](#) *remarks - general:*  
animation *remarks - this release: .*

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UMTS **03** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

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**TR 03.01U Framework of network requirements, interworking and integration for the Universal Mobile Telecommunication System**  
UMTS *current version: none* *freeze\_meeting:* WG (prime / other): SP / rapporteur: N, A Indicate persons who left Company and wait for new One  
G: U: yes MCC: POPE, Maurice  
*history (event, available, version, comments):*  
Suspend work 1996-10-10 2 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release: .*

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UMTS **05** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/05\\_series](http://www.3gpp.org/ftp/Specs/archive/05_series)

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**TR 05.01U Universal Mobile Telecommunications System (UMTS); Objectives and framework for the Telecommunications Management Network (TMN) of the UMTS**  
UMTS *current version: none* *freeze\_meeting:* WG (prime / other): SP / rapporteur: N, A Indicate persons who left Company and wait for new One  
G: U: yes MCC: POPE, Maurice  
*history (event, available, version, comments):*  
draft 1997-10-10 2 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release: .*

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UMTS **06** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/06\\_series](http://www.3gpp.org/ftp/Specs/archive/06_series)

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WITHDRAWN specs UMTS 06 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/06\\_series](http://www.3gpp.org/ftp/Specs/archive/06_series)

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**TR 06.01U Universal Mobile Telecommunications System (UMTS); Quality requirements for speech and associated channel coding for the UMTS**  
UMTS *current version:* none *WG (prime / other):* SP / *rapporteur:* N, A Indicate persons who left Company and wait for new One  
*freeze\_meeting:*  
*history (event, available, version, comments):*  
draft 1996-10-10 3 . 0 . 0  
G: U: yes *MCC:* POPE, Maurice  
[get it](#) *remarks - general:*  
*remarks - this release:* .

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**TR 06.02U Universal Mobile Telecommunications System (UMTS); Quality requirements and selection procedure for the support of voice- band data coding for the UMTS**  
UMTS *current version:* none *WG (prime / other):* SP / *rapporteur:* N, A Indicate persons who left Company and wait for new One  
*freeze\_meeting:*  
*history (event, available, version, comments):*  
draft 0 . 0 . 0  
G: U: yes *MCC:* POPE, Maurice  
*remarks - general:*  
*remarks - this release:* .

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UMTS 07 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/07\\_series](http://www.3gpp.org/ftp/Specs/archive/07_series)

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**TR 07.01U Universal Mobile Telecommunications System (UMTS); Integration of audio/visual source coding into UMTS**  
UMTS *current version:* none *WG (prime / other):* SP / *rapporteur:* N, A Indicate persons who left Company and wait for new One  
*freeze\_meeting:*  
*history (event, available, version, comments):*  
G: U: yes *MCC:* POPE, Maurice  
*remarks - general:*  
*remarks - this release:* .

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UMTS 12 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

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WITHDRAWN specs UMTS 12 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

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**TT 12.01U Framework for satellite integration with the UMTS**  
UMTS *current version: none* *freeze\_meeting:* WG (prime / other): S5 / rapporteur: N, A Indicate persons who left Company and wait for new One  
*history (event, available, version, comments):*  
Waiting - see 1995-10-12 3 . 0 . 0 [get it](#) *remarks - general:*  
"secretariat *remarks - this release:* .  
comments"

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**TR 12.02U Technical characteristics, capabilities and limitations of mobile satellite systems applicable to the UMTS**  
UMTS *current version: none* *freeze\_meeting:* WG (prime / other): S5 / rapporteur: N, A Indicate persons who left Company and wait for new One  
*history (event, available, version, comments):*  
Waiting - see 1996-10-10 3 . 0 . 0 [get it](#) *remarks - general:*  
"secretariat *remarks - this release:* .  
comments"

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UMTS **21** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/21\\_series](http://www.3gpp.org/ftp/Specs/archive/21_series)

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**TR 21.02U High level requirements relevant for the definition of the UMTS Terrestrial Radio Access UTRA concept**  
UMTS *current version: none* *freeze\_meeting:* WG (prime / other): GP / - rapporteur: ANDERSEN, Niels Peter MOTOROLA A/S Skov  
G: U: MCC: USAI, Paolino  
*history (event, available, version, comments):*  
smg-22 1997-06-13 3 . 0 . 0 [get it](#) *remarks - general:*  
ETSI publication 1998-11-03 3 . 0 . 1 [get it](#) *remarks - this release:*

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**TS 21.04U Requirements for the support of data services in UMTS**  
UMTS *current version: none* *freeze\_meeting:* WG (prime / other): - / - rapporteur: HOLLEY, Kevin mm02 plc  
G: U: MCC: N, A  
*history (event, available, version, comments):*  
draft 2000-01-17 1 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #26: 0.0.2 or perhaps as 1.0.0

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WITHDRAWN specs UMTS 21 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/21\\_series](http://www.3gpp.org/ftp/Specs/archive/21_series)

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## TR 21.06U O&M requirements for the UMTS

UMTS *current version:* none  
*freeze\_meeting:*

*WG (prime / other):* - / - *rapporteur:* WEICHSELBAUM, Steffen Vodafone D2 GmbH

*G:* U: *MCC:* N, A

*history (event, available, version, comments):*

First complete draft	1997-10-19	1	.	0	.	0
Milestone 1	1997-12-19	1	.	1	.	2
WG approval	1997-02-17	2	.	0	.	0
smg-25	1998-03-20	3	.	0	.	0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)

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UMTS 22 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

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## TS 22.00U UMTS Phase 1

UMTS *current version:* none  
*freeze\_meeting:*

*WG (prime / other):* - / - *rapporteur:* VERRIER, David

Indicate persons who left Company and wait for new One

*G:* U: *MCC:* N, A

*history (event, available, version, comments):*

smg-27	1998-11-24	1	.	0	.	0
draft	1998-11-24	1	.	3	.	0

[get it](#) *remarks - general:*  
*remarks - this release:*

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## TS 22.01U Universal Mobile Telecommunications System (UMTS): Service aspects; Service principles

UMTS *current version:* none  
*freeze\_meeting:*

*WG (prime / other):* - / - *rapporteur:* DWYER, Paul

NORTEL NETWORKS (EUROPE)

*G:* U: *MCC:* N, A

*history (event, available, version, comments):*

smg-21	1998-10-17	3	.	0	.	0
smg-22		3	.	1	.	0
smg-24		3	.	2	.	1
smg-27	1998-10-17	3	.	3	.	0

*remarks - general:*  
*remarks - this release:*  
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WITHDRAWN specs UMTS 22 .- series  
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<b>TS 22.05U</b>	<b>Services and service capabilities</b>				
UMTS	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> PUGA PEREIRA, Emmanuel	Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i>	<i>G:</i>	<i>U:</i>	<i>MCC:</i> N, A	
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i>	
	smg-25 3 . 0 . 0			<i>remarks - this release:</i>	
	smg-26 1998-07-01 3 . 1 . 0			<a href="#">get it</a>	
<hr/>					
<b>TR 22.07U</b>	<b>UMTS terminal and smart card concepts</b>				
UMTS	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> SMOLANDER, Jouni	NOKIA Corporation	
	<i>freeze_meeting:</i>	<i>G:</i> yes	<i>U:</i>	<i>MCC:</i> N, A	
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i>	
	smg-25 3 . 0 . 0			<i>remarks - this release:</i>	
	smg-27 3 . 1 . 0			<a href="#">get it</a>	
	edito 1998-10-29 3 . 1 . 1				
<hr/>					
<b>TS 22.21U</b>	<b>Virtual Home Environment</b>				
UMTS	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> OGUNBEKUN, Jumoke	FUJITSU Laboratories of Europe Limited	
	<i>freeze_meeting:</i>	<i>G:</i>	<i>U:</i>	<i>MCC:</i> N, A	
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i>	
				<i>remarks - this release:</i> .	
<hr/>					
<b>TS 22.24U</b>	<b>Charging and Accounting Mechanism</b>				
UMTS	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> CHAMBERS, David	MOTOROLA Ltd	
	<i>freeze_meeting:</i>	<i>G:</i>	<i>U:</i>	<i>MCC:</i> N, A	
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i>	
	smg-25 1998-05-28 3 . 0 . 0			<i>remarks - this release:</i> #25: 3.0.0	
				<a href="#">get it</a>	
<hr/>					
<b>TS 22.25U</b>	<b>Quality of Service (QoS) and network performance</b>				
UMTS	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> TIAINEN, Seppo	TeliaSonera AB	
	<i>freeze_meeting:</i>	<i>G:</i>	<i>U:</i>	<i>MCC:</i> N, A	
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i>	
	smg-25 1998-05-28 3 . 1 . 0			<i>remarks - this release:</i> #25: 3.1.0	
				<a href="#">get it</a>	

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<b>TS 22.29U</b>	<b>Handover Requirements between UMTS and GSM or other RadioSystems</b>					
UMTS	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> COOPER, David		Telecom Modus Limited	
	<i>freeze_meeting:</i>	G: U:	MCC: N, A			
	<i>history (event, available, version, comments):</i>					<i>remarks - general:</i> <i>remarks - this release:</i> .
<hr/>						
<b>TS 22.30U</b>	<b>Service requirements on security</b>					
UMTS	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> N, A		Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i>	G: U:	MCC: N, A			
	<i>history (event, available, version, comments):</i>					<i>remarks - general:</i> <i>remarks - this release:</i> .
<hr/>						
<b>TS 22.35U</b>	<b>Service requirements on numbering, addressing and identities</b>					
UMTS	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> N, A		Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i>	G: U:	MCC: N, A			
	<i>history (event, available, version, comments):</i>					<i>remarks - general:</i> <i>remarks - this release:</i> .
<hr/>						
<b>TS 22.40U</b>	<b>Charging, billing and accounting principles</b>					
UMTS	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> N, A		Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i>	G: U:	MCC: N, A			
	<i>history (event, available, version, comments):</i>					<i>remarks - general:</i> <i>remarks - this release:</i> .
<hr/>						
<b>TS 22.45U</b>	<b>Human Factors,service principles and their application to UMTS</b>					
UMTS	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> N, A		Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i>	G: U:	MCC: N, A			
	<i>history (event, available, version, comments):</i>					<i>remarks - general:</i> <i>remarks - this release:</i> .

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<b>TS 22.50U</b>	<b>Subscriber and service profile requirements</b>								
UMTS	<i>current version:</i> none			<i>WG (prime / other):</i> - /	<i>rapporteur:</i> N, A				Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i>			G: U:	MCC: N, A				
	<i>history (event, available, version, comments):</i>							<i>remarks - general:</i> <i>remarks - this release:</i> .	
<hr/>									
<b>TS 22.55U</b>	<b>UMTS user identity modules</b>								
UMTS	<i>current version:</i> none			<i>WG (prime / other):</i> - /	<i>rapporteur:</i> N, A				Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i>			G: U:	MCC: N, A				
	<i>history (event, available, version, comments):</i>							<i>remarks - general:</i> <i>remarks - this release:</i> .	
<hr/>									
<b>TS 22.60U</b>	<b>Mobile multimedia services including mobile Intranet and Internet services</b>								
UMTS	<i>current version:</i> none			<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> AHNBERG, Tomas				Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i>			G: U:	MCC: N, A				
	<i>history (event, available, version, comments):</i>							<i>remarks - general:</i> <i>remarks - this release:</i> #25: 3.0.0	
	smg-25 1998-05-28 3 . 0 . 0			<a href="#">get it</a>					
<hr/>									
<b>TS 22.70U</b>	<b>Virtual Home Environment</b>								
UMTS	<i>current version:</i> none			<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> OGUNBEKUN, Jumoke				FUJITSU Laboratories of Europe Limited
	<i>freeze_meeting:</i>			G: U:	MCC: N, A				
	<i>history (event, available, version, comments):</i>							<i>remarks - general:</i> <i>remarks - this release:</i> #25: 3.0.0	
	draft 0 . 0 . 7 1997-10-19								
	draft 1 . 0 . 0 1997-12-19								
	draft 2 . 0 . 0 1998-02-15								
	smg-25 2001-05-28 3 . 0 . 0			<a href="#">get it</a>					
<hr/>									
<b>TS 22.71U</b>	<b>Service aspects; Automatic Establishment of Roaming Relationships</b>								
UMTS	<i>current version:</i> none			<i>WG (prime / other):</i> - / -	<i>rapporteur:</i>				
	<i>freeze_meeting:</i>			G: U:	MCC: N, A				
	<i>history (event, available, version, comments):</i>							<i>remarks - general:</i> <i>remarks - this release:</i> #25: 3.0.0 #27: 3.0.1	
	smg-25 3 . 0 . 0								
	smg-27 1998-10-17 3 . 0 . 1			<a href="#">get it</a>					

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<b>TS 22.72U</b>	<b>Real Time Multimedia in UMTS</b>				
UMTS	<i>current version:</i> none		<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> FISCHER, Ralf	ROBERT BOSCH GmbH
	<i>freeze_meeting:</i>		G: U:	MCC: N, A	
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i>	
				<i>remarks - this release:</i> .	
<hr/>					
<b>TS 22.75U</b>	<b>Service aspects; Advanced addressing</b>				
UMTS	<i>current version:</i> none		<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> KLEIER, Stephan	Vodafone D2 GmbH
	<i>freeze_meeting:</i>		G: U:	MCC: N, A	
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i>	
	smg-25	2 . 0 . 0		<i>remarks - this release:</i> #25: 2.0.0 #27: 3.0.0	
	smg-27	1998-10-17 3 . 0 . 0	<a href="#">get it</a>		
<hr/>					
<b>TR 22.80U</b>	<b>UMTS Relationship to other Standards</b>				
UMTS	<i>current version:</i> none		<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> AXERUD, Bo	NOKIA TELECOMMUNICATIONS FINLAND
	<i>freeze_meeting:</i>		G: U:	MCC: N, A	
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i>	
	First complete draft	1997-10-19 1 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release:</i> #24: 2.0.1	
	WG approval	1997-11-07 2 . 0 . 0	<a href="#">get it</a>		
	Under TB change control.	1998-03-20 2 . 0 . 1	<a href="#">get it</a>		
	Milestone 1	1997-12-19 2 . 0 . 1	<a href="#">get it</a>		
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UMTS 23 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/23\\_series](http://www.3gpp.org/ftp/Specs/archive/23_series)

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<b>TS 23.01U</b>	<b>UMTS Network principles</b>				
UMTS	<i>current version:</i> none		<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> OLSSON, Magnus	Telefon AB LM Ericsson
	<i>freeze_meeting:</i>		G: U:	MCC: N, A	
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i>	
	smg-27	1999-02-24 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #27: for info	
<hr/>					

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<b>TS 23.05U</b>	<b>UMTS Network principles</b>				
UMTS	current version: none	WG (prime / other):	- / -	rapporteur:	N, A
	freeze_meeting:	G:	U:	MCC:	N, A
	history (event, available, version, comments):			remarks - general:	
				remarks - this release:	.
<hr/>					
<b>TS 23.10U</b>	<b>UMTS Access Stratum; Services and Functions</b>				
UMTS	current version: none	WG (prime / other):	- / -	rapporteur:	LOPEZ-TORRES, Oscar T-MOBILE DEUTSCHLAND
	freeze_meeting:	G:	U:	MCC:	N, A
	history (event, available, version, comments):			get it	remarks - general:
	smg-27 1999-02-24 3 . 0 . 0				remarks - this release: #27: for info
<hr/>					
<b>TS 23.20U</b>	<b>Evolution of the GSM platform towards UMTS</b>				
UMTS	current version: none	WG (prime / other):	S2 / -	rapporteur:	JARVIS, Andre Hutchison 3G UK Ltd (3)
	freeze_meeting:	G:	U:	MCC:	YOON, Sang-Ui
	history (event, available, version, comments):			remarks - general:	
	smg-27 1 . 0 . 0			remarks - this release:	#27: for info
<hr/>					
<b>TS 23.40U</b>	<b>UMTS Network Aspects; Relationship with UPT</b>				
UMTS	current version: none	WG (prime / other):	- /	rapporteur:	N, A
	freeze_meeting:	G:	U:	MCC:	N, A
	history (event, available, version, comments):			remarks - general:	Indicate persons who left Company and wait for new One
				remarks - this release:	.
<hr/>					
<b>TS 23.50U</b>	<b>UMTS Network Aspects; IN and B-ISDN concepts in a UMTS environment</b>				
UMTS	current version: none	WG (prime / other):	- /	rapporteur:	N, A
	freeze_meeting:	G:	U:	MCC:	N, A
	history (event, available, version, comments):			remarks - general:	Indicate persons who left Company and wait for new One
				remarks - this release:	.

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WITHDRAWN specs UMTS 23 .- series  
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<b>TS 23.60U</b>	<b>UMTS Network Aspects; UMTS data organization</b>					
UMTS	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> N, A			Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i>	G: U:	MCC: N, A			
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i>		
				<i>remarks - this release:</i> .		
<hr/>						
<b>TS 23.70U</b>	<b>UMTS Network Aspects; UMTS operations and procedures</b>					
UMTS	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> N, A			Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i>	G: U:	MCC: N, A			
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i>		
				<i>remarks - this release:</i> .		
<hr/>						
<b>TS 23.80U</b>	<b>UMTS Network Aspects; Signalling requirements for UMTS</b>					
UMTS	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> N, A			Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i>	G: U:	MCC: N, A			
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i>		
				<i>remarks - this release:</i> .		
<hr/>						
<b>TS 23.90U</b>	<b>UMTS Network Aspects; Network performance requirements</b>					
UMTS	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> N, A			Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i>	G: U:	MCC: N, A			
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i>		
				<i>remarks - this release:</i> .		
<hr/>						
<b>TS 23.95U</b>	<b>UMTS Network Aspects; Network functions relevant to satellites</b>					
UMTS	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> N, A			Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i>	G: U:	MCC: N, A			
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i>		
	draft 0 . 0 . 0			<i>remarks - this release:</i> .		

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## UMTS 24 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/24\\_series](http://www.3gpp.org/ftp/Specs/archive/24_series)

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<b>TS 24.05U</b>	<b>UMTS Interworking and internetworking signalling aspects; Interworking of UMTS with other systems</b>				
UMTS	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rporteur:</i> N, A		Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i>	G: U:	MCC: N, A		
<i>history (event, available, version, comments):</i>					
<i>remarks - general:</i>					
<i>remarks - this release:</i> .					

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## UMTS 25 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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<b>TS 25.05U</b>	<b>UMTS Radio Aspects; Multiplexing and multiple access</b>				
UMTS	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rporteur:</i> N, A		Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i>	G: U:	MCC: N, A		
<i>history (event, available, version, comments):</i>					
<i>remarks - general:</i>					
<i>remarks - this release:</i> .					

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<b>TS 25.10U</b>	<b>UMTS Radio Aspects; Channel coding</b>				
UMTS	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rporteur:</i> N, A		Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i>	G: U:	MCC: N, A		
<i>history (event, available, version, comments):</i>					
<i>remarks - general:</i>					
<i>remarks - this release:</i> .					

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**TS 25.15U UMTS Radio Aspects; Modulation**  
UMTS *current version: none*  
*freeze\_meeting:*

*history (event, available, version, comments):*

WG (prime / other): - / rapporteur: N, A  
G: U: MCC: N, A

*remarks - general:*  
*remarks - this release: .*

Indicate persons who left Company and wait for new One

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**TS 25.20U UMTS Radio Aspects; Transmission and reception**  
UMTS *current version: none*  
*freeze\_meeting:*

*history (event, available, version, comments):*

WG (prime / other): - / rapporteur: N, A  
G: U: yes MCC: N, A

*remarks - general:*  
*remarks - this release: .*

Indicate persons who left Company and wait for new One

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UMTS 26 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/26\\_series](http://www.3gpp.org/ftp/Specs/archive/26_series)

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**TS 26.15U Source coding aspects Aspects; Integration of audio visual coding into UMTS**  
UMTS *current version: none*  
*freeze\_meeting:*

*history (event, available, version, comments):*

WG (prime / other): - / rapporteur: N, A  
G: U: MCC: N, A

*remarks - general:*  
*remarks - this release: .*

Indicate persons who left Company and wait for new One

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UMTS 27 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/27\\_series](http://www.3gpp.org/ftp/Specs/archive/27_series)

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WITHDRAWN specs UMTS 27 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/27\\_series](http://www.3gpp.org/ftp/Specs/archive/27_series)

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## TR 27.00U Principles for handling of data services in the UMTS

UMTS *current version:* none  
*freeze\_meeting:*  
*history (event, available, version, comments):*  
First complete draft 1996-05-01 1 . 2 . 1

*WG (prime / other):* S5 / - *rapporteur:* GABE, Axel SIEMENS AG  
*G:* *U:* *MCC:* ZOICAS, Adrian

[get it](#) *remarks - general:*  
*remarks - this release:* .

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UMTS 30 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/30\\_series](http://www.3gpp.org/ftp/Specs/archive/30_series)

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## TR 30.00U SMG - UMTS Work programme

UMTS *current version:* none  
*freeze\_meeting:*  
*history (event, available, version, comments):*  
smg-21 3 . 0 . 0  
smg-22 3 . 1 . 0  
smg-23 3 . 2 . 0  
smg-24 3 . 3 . 0  
smg-25 3 . 4 . 0  
smg-26 1998-07-07 3 . 5 . 0  
smg-27 3 . 6 . 1

*WG (prime / other):* - / - *rapporteur:* SAMUKIC, Antun Telefon AB LM Ericsson  
*G:* *U:* *MCC:* N, A

*remarks - general:*  
*remarks - this release:* #21: 3.0.0 #22: 3.1.0 #23: 3.2.0 #24: 3.3.0 #25: 3.4.0 #26: 3.5.0 #27: 3.6.1

[get it](#)

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## TR 30.01U UMTS Baseline document: Collection of the SMG's positions on the UMTS

UMTS *current version:* none  
*freeze\_meeting:*  
*history (event, available, version, comments):*  
smg-22 3 . 0 . 0  
smg-23 3 . 1 . 0  
smg-24 3 . 2 . 0  
smg-25 1998-07-07 3 . 3 . 0  
smg-26 3 . 4 . 0  
post smg-27 2002-08-08 3 . 5 . 1

*WG (prime / other):* - / - *rapporteur:* SAMUKIC, Antun Telefon AB LM Ericsson  
*G:* *U:* *MCC:* N, A

*remarks - general:*  
*remarks - this release:* #22: 3.0.0 #23: 3.1.0 #24: 3.2.0 #25: 3.3.0 #26: 3.4.0 #27: 3.5.1

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WITHDRAWN specs UMTS 30 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/30\\_series](http://www.3gpp.org/ftp/Specs/archive/30_series)

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**TR 30.02U Experience from GSM standardisation to be applied at UMTS standardisation**

UMTS *current version:* none *WG (prime / other):* - / - *rapporteur:*  
*freeze\_meeting:* G: U: MCC: N, A  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* .

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**TR 30.04U Definition of the limited number of UTRA concepts**

UMTS *current version:* none *WG (prime / other):* GP / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* G: U: MCC: Skov  
USAI, Paolino  
*history (event, available, version, comments):*  
First complete draft 1997-06-01 1 . 0 . 0 [get it](#) *remarks - general:*  
smg-22 1997-06-14 3 . 0 . 0 [get it](#) *remarks - this release:* #22: 3.0.0  
ETSI publication 1998-11-03 3 . 0 . 1 [get it](#)

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**TR 30.05U UMTS terminology**

UMTS *current version:* none *WG (prime / other):* - / - *rapporteur:*  
*freeze\_meeting:* G: U: MCC: N, A  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* .

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**TR 30.20U Technical characteristics, capabilities and limitations of mobile satellite systems applicable to the UMTS**

UMTS *current version:* none *WG (prime / other):* - / - *rapporteur:* RAPELI, Juha PHILIPS CONSUMER COMMUNICATION  
*freeze\_meeting:* G: U: MCC: N, A  
*history (event, available, version, comments):*  
SMG approval by 2 . 0 . 0 1997-06 *remarks - general:*  
correspondence *remarks - this release:* #24: 3.1.0  
SMG approval by 3 . 0 . 0 1997-09  
correspondence  
smg-24 1997-12-19 3 . 1 . 0 [get it](#)

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UMTS **31** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/31\\_series](http://www.3gpp.org/ftp/Specs/archive/31_series)

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WITHDRAWN specs UMTS 31 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/31\\_series](http://www.3gpp.org/ftp/Specs/archive/31_series)

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**TS 31.50U**    **Essential requirements for UMTS Mobile Stations (ME) operating within frequency bands 1885-1980, 2010-2025 and 2110-2200 MHz**  
UMTS    *current version:* none    *WG (prime / other):* /    *rapporteur:* N, A    Indicate persons who left Company and wait for new One  
*freeze\_meeting:*    *G:*    *U:* yes    *MCC:*  
*history (event, available, version, comments):*  
draft    0 . 0 . 0    *remarks - general:*  
*remarks - this release:* .

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**TS 31.60U**    **Essential requirements for UMTS Mobile Earth Stations (MES) operating within frequency bands 1980- 2010 and 2170-2200 MHz**  
UMTS    *current version:* none    *WG (prime / other):* /    *rapporteur:* N, A    Indicate persons who left Company and wait for new One  
*freeze\_meeting:*    *G:*    *U:* yes    *MCC:*  
*history (event, available, version, comments):*  
draft    0 . 0 . 0    *remarks - general:*  
*remarks - this release:* .

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UMTS    **32** .- series    Server location: [http://www.3gpp.org/ftp/Specs/archive/32\\_series](http://www.3gpp.org/ftp/Specs/archive/32_series)

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**TR 32.01U**    **Overall principles of the OAM for the UMTS**  
UMTS    *current version:* none    *WG (prime / other):* SMG12 / -    *rapporteur:* SZELAZEK, Bill    Hutchison 3G UK Ltd (3)  
*freeze\_meeting:*    *G:*    *U:* yes    *MCC:*    SULTAN, Alain  
*history (event, available, version, comments):*  
smg-22    1 . 0 . 0    *remarks - general:*  
*remarks - this release:* No progress since SMG#22.

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UMTS    **33** .- series    Server location: [http://www.3gpp.org/ftp/Specs/archive/33\\_series](http://www.3gpp.org/ftp/Specs/archive/33_series)

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WITHDRAWN specs UMTS 33 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/33\\_series](http://www.3gpp.org/ftp/Specs/archive/33_series)

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## TR 33.20U Security principles for the UMTS

UMTS *current version:* none  
*freeze\_meeting:*  
*history (event, available, version, comments):*  
smg-19 1997-06-13 3 . 0 . 0

*WG (prime / other):* - / - *rapporteur:*  
G: U: *MCC:* N, A

[get it](#) *remarks - general:*  
*remarks - this release:* #19: 3.0.0

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## TS 33.21U Security requirements

UMTS *current version:* none  
*freeze\_meeting:*  
*history (event, available, version, comments):*  
draft 1998-07-16 0 . 1 . 0  
draft 1998-07-22 0 . 1 . 1  
draft 1998-07-31 0 . 1 . 2  
smg-27 1998-07-31 1 . 0 . 0  
draft 1998-10-05 1 . 0 . 1  
draft 1998-10-19 1 . 0 . 2  
draft 1998-10-31 1 . 0 . 3  
draft 1998-11-20 1 . 0 . 4  
draft 1999-02-27 1 . 1 . 0  
smg-28 1999-02-27 2 . 0 . 0  
smg-28 3 . 0 . 0  
smg-27 1999-02-21 3 . 0 . 0

*WG (prime / other):* - / - *rapporteur:*  
G: U: *MCC:* N, A

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #27: for info  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
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UMTS 34 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/34\\_series](http://www.3gpp.org/ftp/Specs/archive/34_series)

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## TS 34.01U Application integration and application programming interfaces

UMTS *current version:* none  
*freeze\_meeting:*  
*history (event, available, version, comments):*  
draft 0 . 0 . 0

*WG (prime / other):* SP / *rapporteur:* N, A  
G: U: yes *MCC:* POPE, Maurice

Indicate persons who left Company and wait for new One

*remarks - general:*  
*remarks - this release:* .

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WITHDRAWN specs UMTS 34 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/34\\_series](http://www.3gpp.org/ftp/Specs/archive/34_series)

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UMTS 35 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/35\\_series](http://www.3gpp.org/ftp/Specs/archive/35_series)

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**TS 35.10U UMTS Terminal aspects;Man Machine Interface (MMI)**  
UMTS *current version:* none *freeze\_meeting:* *WG (prime / other):* SP / *rapporteur:* N, A Indicate persons who left Company and wait for new One  
*history (event, available, version, comments):* G: U: yes *MCC:* POPE, Maurice  
draft 0 . 0 . 0 *remarks - general:*  
*remarks - this release:* .

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## R98

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R98 01 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/01\\_series](http://www.3gpp.org/ftp/Specs/archive/01_series)

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**TR 01.00 Working Procedures for SMG and PT SMG**  
R98 *current version:* none *freeze\_meeting:* smg-29 *WG (prime / other):* SP / - *rapporteur:* BERGMANN, Ansgar Deutsche Telekom AG  
G: yes U: *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
smg-27 1998-10-16 0 . 1 . 0 [get it](#) *remarks - general:*  
smg-28 1999-02-12 7 . 0 . 0 [get it](#) *remarks - this release:*  
smg-29 1999-06-25 7 . 1 . 0 [get it](#)  
smg-30 1999-11-11 7 . 2 . 0 [get it](#) SP-15: withdrawn since SMG and PT-SMG no longer exist.

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R98 02 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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**TS 02.38 SIM application toolkit (SAT); Stage 1**

R98 *current version:* none  
*freeze\_meeting:* smg-29  
*history (event, available, version, comments):*

*WG (prime / other):* S1 / SCP *rapporteur:* CARPENTER, Paul Research In Motion Limited  
*G:* yes *U:* *MCC:* CLAYTON, Michael

*remarks - general:* Moved from T3 Jan-00.  
*remarks - this release:* Place holder - no spec.

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R98 03 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

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**TR 03.39 Digital Cellular Telecommunications System (Phase 2) Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)**

R98 *current version:* none  
*freeze\_meeting:* smg-29  
*history (event, available, version, comments):*  
TP-09 withdrawn 2000-10-04 7 . 0 . 0

*WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*G:* yes *U:* *MCC:* RODERMUND, Friedhelm

[get it](#) *remarks - general:* TSG#9:withdrawn cos contains misleading information/references  
*remarks - this release:* need identified 2000-03-29 TSG#9:withdrawn cos contains misleading information/references

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R98 04 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

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**TS 04.33 Lawful interception; Stage 3**

R98 *current version:* none  
*freeze\_meeting:* smg-29  
*history (event, available, version, comments):*

*WG (prime / other):* - / *rapporteur:* VAN DER AREND, Peter Koninklijke KPN N.V.  
*G:* yes *U:* *MCC:* N, A

*remarks - general:*  
*remarks - this release:* .

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WITHDRAWN specs R98 04 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

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<b>TS 04.53</b>	<b>Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3</b>								
R98	<i>current version:</i> none			<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> NAVARRO, William				NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting:</i> smg-29			<i>G:</i> yes <i>U:</i>	<i>MCC:</i> N, A				
	<i>history (event, available, version, comments):</i>								
	draft	1997-03-14	0 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	replaced by 08.62		
	draft	1998-02-16	1 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	#25: 1.0.0 for info #27: 1.6.0 for info		
	draft	1998-03-27	1 . 1 . 0		<a href="#">get it</a>				
	draft	1998-07-13	1 . 2 . 1		<a href="#">get it</a>				
	draft	1998-07-31	1 . 3 . 0		<a href="#">get it</a>				
	draft	1998-09-17	1 . 3 . 5		<a href="#">get it</a>				
	draft	1998-09-18	1 . 4 . 0		<a href="#">get it</a>				
	draft	1998-09-28	1 . 5 . 0		<a href="#">get it</a>				
	draft	1998-10-05	1 . 6 . 0		<a href="#">get it</a>				

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R98 10 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/10\\_series](http://www.3gpp.org/ftp/Specs/archive/10_series)

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<b>TR 10.57</b>	<b>Project scheduling and open issues: Mobile Station Execution Environment (MExE)</b>								
R98	<i>current version:</i> none			<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> RODERMUND, Friedhelm	Vodafone D2 GmbH			
	<i>freeze_meeting:</i> smg-29			<i>G:</i> yes <i>U:</i>	<i>MCC:</i> RODERMUND, Friedhelm				
	<i>history (event, available, version, comments):</i>								
	smg-26	1998-06-26	7 . 0 . 0	withdrawn SP-09	<a href="#">get it</a>	<i>remarks - general:</i>	TSG#9:withdrawn cos contains misleading information/references		
						<i>remarks - this release:</i>	TSG#9:withdrawn cos contains misleading information/references		

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WITHDRAWN specs R98 10 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/10\\_series](http://www.3gpp.org/ftp/Specs/archive/10_series)

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## TS 10.71 Project scheduling and open issues:Location services (LCS)

R98 *current version:* none *WG (prime / other):* S1 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* CLAYTON, Michael

*history (event, available, version, comments):*

Maui	1999-01-17	0	.	0	.	0
Maui	1999-01-20	0	.	0	.	1
Chicago	1999-01-31	0	.	0	.	2
Chicago	1999-02-04	1	.	0	.	0
Cambridge	1999-06-10	2	.	0	.	0
Dallas	1999-07-09	2	.	0	.	1
San Diego	1999-07-21	2	.	0	.	2
Dallas	1999-09-03	2	.	0	.	3
King of Prussia	1999-09-14	2	.	0	.	4
Phoenix &	1999-10-30	2	.	0	.	5
Clearwater						
Raleigh	1999-11-03	2	.	0	.	6
smg-30	1999-11-11	2	.	0	.	6
Phoenix	1999-11-29	2	.	0	.	7
smg-30b	1999-12-06	2	.	0	.	7
Colorado Spring	2000-01-03	2	.	0	.	8
Dallas	2000-01-05	2	.	0	.	9
smg-31	2001-01-24	2	.	1	.	0
Puerto Vallarta	2000-01-26	3	.	0	.	0
smg-29	1999-06-25	7	.	0	.	0

[get it](#)

*remarks - general:*

[get it](#)

*remarks - this release:* #29: 7.0.0 #30: 2.0.6! #30b: 2.0.7 #31:2.1.0. 2001-01-24 Clayton: withdrawn.

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs R98 10 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/10\\_series](http://www.3gpp.org/ftp/Specs/archive/10_series)

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## TS 10.78 Project scheduling and open issues: CAMEL

R98 *current version:* none *WG (prime / other):* S2 / - *rapporteur:* APRATH, Stefan Vodafone D2 GmbH  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

draft	1997-02-08	0	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
draft	1997-03-24	0	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> July 2002: abandoned
draft	1997-03-27	0	.	1	.	1		<a href="#">get it</a>	
draft	1997-04-09	0	.	1	.	2		<a href="#">get it</a>	
draft	1997-05-07	0	.	2	.	0		<a href="#">get it</a>	
smg-22	1997-06-10	1	.	0	.	0		<a href="#">get it</a>	
draft	1997-06-19	1	.	1	.	0		<a href="#">get it</a>	
draft	1997-07-09	1	.	2	.	0		<a href="#">get it</a>	
draft	1997-09-10	1	.	3	.	0		<a href="#">get it</a>	
smg-23	1997-10-10	1	.	3	.	2		<a href="#">get it</a>	
draft	1997-10-22	1	.	4	.	0		<a href="#">get it</a>	
draft	1997-12-02	1	.	5	.	0		<a href="#">get it</a>	
draft	1998-06-04	1	.	6	.	0		<a href="#">get it</a>	
smg-25	1998-03-10	1	.	6	.	0	abandoned	<a href="#">get it</a>	

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## TR 10.87 User to User Signalling (UUS)

R98 *current version:* none *WG (prime / other):* S2 / GP *rapporteur:* CONRAD, Alan T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* YOON, Sang-Ui

*history (event, available, version, comments):*

*remarks - general:*  
*remarks - this release:* No draft ever produced.

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## TR 10.94 Follow Me supplementary service

R98 *current version:* none *WG (prime / other):* SP / - *rapporteur:* POSTMANN, Erwin SIEMENS AG  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* POPE, Maurice

*history (event, available, version, comments):*

*remarks - general:*  
*remarks - this release:* No draft ever produced.

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R98

11 .- series

Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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WITHDRAWN specs R98 11 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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**TS 11.10-2 Mobile station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification**  
R98 *current version:* none *WG (prime / other):* G3new/ S1 / *rapporteur:* SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* smg-29 NP /  
T2 /  
SCP

*history (event, available, version, comments):* G: yes U: MCC: CLAYTON, Michael

*remarks - general:* 2001-11-19: G4->G5.  
*remarks - this release:* Place holder; no draft ever produced (refer to Phase 2 version).

---

**TS 11.10-3 Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)**  
R98 *current version:* none *WG (prime / other):* G3new/ S1 / *rapporteur:* SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* smg-29 NP /  
T2 /  
SCP

*history (event, available, version, comments):* G: yes U: MCC: CLAYTON, Michael

*remarks - general:* 2001-11-19: G4->G5.  
*remarks - this release:* Place holder; no draft ever produced (refer to Phase 2 version).

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## R97

R97 01 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/01\\_series](http://www.3gpp.org/ftp/Specs/archive/01_series)

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**TR 01.00 Working Procedures for SMG and PT SMG**  
R97 *current version:* none *WG (prime / other):* SP / - *rapporteur:* BERGMANN, Ansgar Deutsche Telekom AG  
*freeze\_meeting:* smg-26 G: yes U: MCC: POPE, Maurice

*history (event, available, version, comments):* *remarks - general:*  
*remarks - this release:* No spec this Release.

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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WITHDRAWN specs R97 01 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/01\\_series](http://www.3gpp.org/ftp/Specs/archive/01_series)

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**TR 01.31 Fraud Information Gathering System (FIGS); Service requirements; Stage 0**  
R97 *current version:* none *WG (prime / other):* S3 / - *rapporteur:* WRIGHT, Tim Indicate persons who left Company and wait for new One  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* No spec this version.

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R97 02 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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**TS 02.31 Fraud Information Gathering System (FIGS); Service description; Stage 1**  
R97 *current version:* none *WG (prime / other):* S3 / *rapporteur:* WRIGHT, Tim Indicate persons who left Company and wait for new One  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* No spec this Release

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**TS 02.33 Lawful Interception (LI); Stage 1**  
R97 *current version:* none *WG (prime / other):* S3 / *rapporteur:* MCKIBBEN, Bernie MOTOROLA GmbH  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* (No spec this Release)

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**TS 02.38 SIM application toolkit (SAT); Stage 1**  
R97 *current version:* none *WG (prime / other):* S1 / SCP *rapporteur:* CARPENTER, Paul Research In Motion Limited  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
*remarks - general:* Moved from T3 Jan-00.  
*remarks - this release:* Place holder - no spec.

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs R97 03 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

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R97 03 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

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**TS 03.04 Signalling Requirements Relating to Routing of Calls to Mobile Subscribers**

R97 *current version:* none *WG (prime / other):* N4 / SPAN *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*freeze\_meeting:* smg-26 / T2

*G:* yes *U:* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, comments):*  
smg-27 1998-10-16 6 . 0 . 0

[get it](#) *remarks - general:*  
*remarks - this release:* #27: 6.0.0 (To be withdrawn)

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**TR 03.39 Digital Cellular Telecommunications System (Phase 2) Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)**

R97 *current version:* none *WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*freeze\_meeting:* smg-26 *G:* yes *U:* *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*  
smg-27 1998-10-16 6 . 0 . 0

[get it](#) *remarks - general:* TSG#9:withdrawn cos contains misleading information/references  
*remarks - this release:* #27: 6.0.0TSG#9:withdrawn cos contains misleading information/references

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**TS 03.61 General Packet Radio Service (GPRS); Point To Multipoint Multicast Service Description; Stage 2**

R97 *current version:* none *WG (prime / other):* - / - *rapporteur:* NAPER, Hans Petter MOTOROLA GmbH  
*freeze\_meeting:* smg-26 *G:* yes *U:* *MCC:* N, A

*history (event, available, version, comments):*  
draft 1998-03-20 0 . 7 . 1

[get it](#) *remarks - general:* Withdrawn since details included in the stage 3 spec.  
*remarks - this release:* .

---

**TS 03.62 General Packet Radio Service (GPRS); Point-to-multipoint group call; Stage 2**

R97 *current version:* none *WG (prime / other):* - / - *rapporteur:* BAUMANN, Jürgen T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* smg-26 *G:* yes *U:* *MCC:* N, A

*history (event, available, version, comments):*

*remarks - general:*  
*remarks - this release:* .

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R97 04 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

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WITHDRAWN specs R97 04 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

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**TS 04.61 General Packet Radio Service (GPRS); Point-to-multipoint multicast; Stage 3**  
R97 *current version: none* WG (prime / other): - / rapporteur: LESKE, John SCANDEW PTY Ltd  
*freeze\_meeting: smg-26* G: yes U: MCC: N, A  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release: .*

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**TS 04.62 General Packet Radio Service (GPRS); Point-to-multipoint group call; Stage 3**  
R97 *current version: none* WG (prime / other): - / rapporteur: LESKE, John SCANDEW PTY Ltd  
*freeze\_meeting: smg-26* G: yes U: MCC: N, A  
*history (event, available, version, comments):*  
Table of Contents 1996-11-14 0 . 2 . 0 [get it](#) *remarks - general:*  
and Scope *remarks - this release: .*

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R97 05 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/05\\_series](http://www.3gpp.org/ftp/Specs/archive/05_series)

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**TR 05.21 DCS 1800; 4 Watt Mobile Power Class - study**  
R97 *current version: none* WG (prime / other): - / rapporteur: TWINGLER, Jonas Northstream AB  
*freeze\_meeting: smg-26* G: yes U: MCC: N, A  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release: .*

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R97 08 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/08\\_series](http://www.3gpp.org/ftp/Specs/archive/08_series)

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**TS 08.64 GPRS support node - BSS protocol (SGSN\_BSS) interface; BSSGP layer 3**  
R97 *current version: none* WG (prime / other): - / rapporteur: LESKE, John SCANDEW PTY Ltd  
*freeze\_meeting: smg-26* G: yes U: MCC: N, A  
*history (event, available, version, comments):*  
First complete draft 1996-07-15 1 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release: .*

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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WITHDRAWN specs R97 08 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/08\\_series](http://www.3gpp.org/ftp/Specs/archive/08_series)

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R97 09 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/09\\_series](http://www.3gpp.org/ftp/Specs/archive/09_series)

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**TR 09.90 Interworking between Phase 1 Infrastructure and Phase 2 Mobile Stations (MS)**

R97 *current version:* none *WG (prime / other):* N1 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* smg-26 *G:* yes *U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
smg-27 1998-10-16 6 . 0 . 0  
[get it](#) *remarks - general:*  
*remarks - this release:* #27: 6.0.0 #32:withdrawn

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R97 10 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/10\\_series](http://www.3gpp.org/ftp/Specs/archive/10_series)

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**TR 10.01 GSM features and releases**

R97 *current version:* none *WG (prime / other):* - / - *rapporteur:* N, A Indicate persons who left Company and wait for new One  
*freeze\_meeting:* smg-26 *G:* yes *U:* *MCC:* N, A  
*history (event, available, version, comments):*  
draft 1997-10-23 0 . 0 . 2  
[get it](#) *remarks - general:* 2001-11-20: stopped - obviously no interest!  
*remarks - this release:* .

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**TR 10.17 General Packet Radio Service (GPRS); Charging in GPRS**

R97 *current version:* none *WG (prime / other):* - / - *rapporteur:* HEATON, Graham Aether Systems Inc.  
*freeze\_meeting:* smg-26 *G:* yes *U:* *MCC:* N, A  
*history (event, available, version, comments):*  
smg-25 1998-03-20 1 . 0 . 0  
[get it](#) *remarks - general:* Scrapped.  
*remarks - this release:* #25: 1.0.0 #26: replaced by 12.15 or 12.04 (v7)

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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Server location: [http://www.3gpp.org/ftp/Specs/archive/10\\_series](http://www.3gpp.org/ftp/Specs/archive/10_series)

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**TR 10.20 Lawful Interception requirements for GSM**  
R97 *current version:* none *WG (prime / other):* S3 / - *rapporteur:* MCKIBBEN, Bernie MOTOROLA GmbH  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
smg-27 1998-10-16 6 . 0 . 0 [get it](#) *remarks - general:* Replaced by 01.33.  
*remarks - this release:* SMG#27:6.0.0; replaced by 01.33

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**TS 10.60 General Packet Radio Services (GPRS); Project Scheduling and Open Issues**  
R97 *current version:* none *WG (prime / other):* S2 / - *rapporteur:*  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* YOON, Sang-Ui  
*history (event, available, version, comments):*  
smg-25 6 . 0 . 0 *remarks - general:*  
*remarks - this release:*

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R97 11 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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**TS 11.10-2 Mobile station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification**  
R97 *current version:* none *WG (prime / other):* G3new/ S1 / *rapporteur:* SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* smg-26 NP /  
T2 /  
SCP  
*G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
*remarks - general:* 2001-11-19: G4->G5.  
*remarks - this release:* Place holder; no draft ever produced (refer to Phase 2 version).

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**TS 11.10-3 Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)**  
R97 *current version:* none *WG (prime / other):* G3new/ S1 / *rapporteur:* SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* smg-26 NP /  
T2 /  
SCP  
*G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version, comments):*  
*remarks - general:* 2001-11-19: G4->G5.  
*remarks - this release:* Place holder; no draft ever produced (refer to Phase 2 version).

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs R97 11 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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**TS 11.21 Base Station System (BSS) equipment specification; Radio aspects**  
R97 *current version:* none *WG (prime / other):* G1 / - *rapporteur:* VACANT,  
*freeze\_meeting:* smg-26 *G: yes U:* MCC: USAI, Paolino  
*history (event, available, version, comments):*  
GP-09 2002-05-06 6 . 0 . 0 not produced post smg-27; withdrawn [get it](#) *remarks - general:*  
GP-12 6 . 1 . 0 CRs unimplementable; spec is scrapped. *remarks - this release:* #27:6.0.0 (Rodermund: not required [Aug-00]). GP-09 (Usai) resurrected. GP-12 (Usai):  
scrapped again.

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**TS 11.56 CTS phase 1, CTS Fixed Part Tests**  
R97 *current version:* none *WG (prime / other):* - / - *rapporteur:* MATTISSON, Leif Telefon AB LM Ericsson  
*freeze\_meeting:* smg-26 *G: yes U:* MCC: N, A  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* .

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R97 12 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

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**TS 12.03 Security Management**  
R97 *current version:* none *WG (prime / other):* S5 / S1 / NP *rapporteur:* TRUSS, Michael MOTOROLA Ltd  
*freeze\_meeting:* smg-26 *G: yes U:* MCC: ZOICAS, Adrian  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* No spec.

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**TS 12.04 Performance data measurements**  
R97 *current version:* none *WG (prime / other):* S5 / S1 / NP *rapporteur:* TOCHE, Christian NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* smg-26 *G: yes U:* MCC: ZOICAS, Adrian  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* No spec

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## R96

R96 01 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/01\\_series](http://www.3gpp.org/ftp/Specs/archive/01_series)

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<b>TR 01.00</b>	<b>Working Procedures for SMG and PT SMG</b>					
R96	<i>current version:</i> none	<i>WG (prime / other):</i> SP / -	<i>rapporteur:</i> BERGMANN, Ansgar	Deutsche Telekom AG		
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version, comments):</i>					
	smg-17 1996-02-02 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-19 1996-06-28 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-25 1998-03-20 5 . 2 . 0	<a href="#">get it</a>				
	SP-15: withdrawn since SMG and PT-SMG no longer exist.					
<hr/>						
<b>TR 01.31</b>	<b>Fraud Information Gathering System (FIGS); Service requirements; Stage 0</b>					
R96	<i>current version:</i> none	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WRIGHT, Tim	Indicate persons who left Company and wait for new One		
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version, comments):</i>					
	smg-23 1997-10-17 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	withdrawn, smg-25		<i>remarks - this release:</i> #25: withdrawn			
<hr/>						
<b>TR 01.50</b>	<b>Radio Local Loop (RLL) using GSM</b>					
R96	<i>current version:</i> none	<i>WG (prime / other):</i> SMG1 /	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
	draft 1995-11-07 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			
<hr/>						
<b>TR 01.51</b>	<b>Dual mode of operation and roaming</b>					
R96	<i>current version:</i> none	<i>WG (prime / other):</i> SMG1 / -	<i>rapporteur:</i> VACANT,			
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>					
			<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			

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G = required in systems with GERAN acces; U = required in systems with UMTS access.



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WITHDRAWN specs R96 01 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/01\\_series](http://www.3gpp.org/ftp/Specs/archive/01_series)

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**TS 01.61 General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements**  
R96 *current version:* none *WG (prime / other):* S3 / - *rapporteur:* WALKER, Michael VODAFONE Group Plc  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* POPE, Maurice  
*history (event, available, version, comments):*  
smg-23 5 . 0 . 0 SMG-25 withdrawn *remarks - general:*  
*remarks - this release:* #25: withdrawn

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**TS 01.78 Customized Applications for Mobile networks using Enhanced Logic (CAMEL); Stage 0**  
R96 *current version:* none *WG (prime / other):* - / - *rapporteur:*  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* N, A  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* .

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R96 02 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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**TS 02.18 Interworking with non-GSM applications on the SIM to be accessed via the GSM network**  
R96 *current version:* none *WG (prime / other):* - / *rapporteur:* SCHMIDT, Günter DETEMOBIL GMBH  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* N, A  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* .

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**TS 02.25 GSM - DCS roaming: Requirements and Stage 1 descriptions**  
R96 *current version:* none *WG (prime / other):* - / *rapporteur:* LE ROUX, Alain France Telecom  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* N, A  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* .

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<b>TS 02.26</b>	<b>Operation of multi-band GSM/DCS 1800 network by a single operator</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> LJUNGGREN, Tommy	Northstream AB	
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC: N, A		
<i>history (event, available, version, comments):</i>					
<i>remarks - general:</i>					
<i>remarks - this release:</i> .					
<hr/>					
<b>TS 02.27</b>	<b>DECT access to GSM networks</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> CONRAD, Alan	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC: N, A		
<i>history (event, available, version, comments):</i>					
<i>remarks - general:</i>					
<i>remarks - this release:</i> .					
<hr/>					
<b>TS 02.28</b>	<b>UPT phase 1</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> KOSYDAR, L	Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC: N, A		
<i>history (event, available, version, comments):</i>					
<i>remarks - general:</i>					
<i>remarks - this release:</i> .					
<hr/>					
<b>TS 02.29</b>	<b>Inter operation with UPT phase 2</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i>		
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC: N, A		
<i>history (event, available, version, comments):</i>					
<i>remarks - general:</i>					
<i>remarks - this release:</i> .					
<hr/>					
<b>TS 02.31</b>	<b>Fraud Information Gathering System (FIGS); Service description; Stage 1</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> S3 /	<i>rapporteur:</i> WRIGHT, Tim	Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC: POPE, Maurice		
<i>history (event, available, version, comments):</i>					
	draft 1997-05-13	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	draft 1997-10-01	2 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #26: withdrawn	
	smg-23 1997-10-17	5 . 0 . 0	<a href="#">get it</a>		withdrawn

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<b>TS 02.33</b>	<b>Lawful Interception (LI); Stage 1</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> S3 /	<i>rapporteur:</i> MCKIBBEN, Bernie	MOTOROLA GmbH	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice		
	<i>history (event, available, version, comments):</i>		<i>remarks - general:</i>		
	smg-19 1 . 0 . 0		<i>remarks - this release:</i>		
	smg-20 2 . 0 . 0				
	smg-20 1996-10-11 5 . 0 . 0 withdrawn SMG-25	<a href="#">get it</a>			
<hr/>					
<b>TS 02.35</b>	<b>Universal access to freephone numbers; Stage 1</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> COX, Alan	VODAFONE Group Plc	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> N, A		
	<i>history (event, available, version, comments):</i>		<i>remarks - general:</i>		
			<i>remarks - this release:</i> .		
<hr/>					
<b>TS 02.36</b>	<b>Premium rate services; Stage 1</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i>		
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> N, A		
	<i>history (event, available, version, comments):</i>		<i>remarks - general:</i>		
			<i>remarks - this release:</i> .		
<hr/>					
<b>TS 02.37</b>	<b>ISDN based DECT/GSM Interworking</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> BERGMANN, Ansgar	Deutsche Telekom AG	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> N, A		
	<i>history (event, available, version, comments):</i>		<i>remarks - general:</i>		
			<i>remarks - this release:</i> .		
<hr/>					
<b>TS 02.38</b>	<b>SIM application toolkit (SAT); Stage 1</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> S1 / SCP	<i>rapporteur:</i> CARPENTER, Paul	Research In Motion Limited	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version, comments):</i>		<i>remarks - general:</i> Moved from T3 Jan-00.		
	smg-29 1 . 0 . 0		<i>remarks - this release:</i>		

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<b>TS 02.53</b>	<b>Tandem Free Operation (TFO); Service description; Stage 1</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> S4 /	<i>rapporteur:</i> NAVARRO, William	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i> SMG11->S4 at SMG#30	
	smg-23 5 . 0 . 0			<i>remarks - this release:</i>	
	smg-24 5 . 1 . 0	withdrawn SMG-25			
<hr/>					
<b>TS 02.60</b>	<b>General Packet Radio Service Stage 1 Description</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CARPENTER, Paul	Research In Motion Limited	
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i>	
	smg-21 1997-02-14 5 . 0 . 0	<a href="#">get it</a>		<i>remarks - this release:</i> #21: 5.0.0 #23: 5.1.0 #24: 5.2.0 #25: withdrawn	
	smg-23 1997-10-17 5 . 1 . 0	<a href="#">get it</a>			
	smg-24 1997-12-19 5 . 2 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 02.66</b>	<b>Support of Mobile Number Portability (MNP); Service description; Stage 1</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> ZARRI, Michele	T-Mobile (UK) Ltd	
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i>	
	smg-24 1997-12-19 5 . 0 . 0	<a href="#">get it</a>		<i>remarks - this release:</i> #24: 5.0.0 @25: withdrawn	
<hr/>					
<b>TS 02.72</b>	<b>Call Deflection Service description; Stage 1</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> HECHWARTNER, Roland	T-Mobile AUSTRIA GmbH	
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i>	
	smg-19 1996-06-28 5 . 0 . 0	<a href="#">get it</a>		<i>remarks - this release:</i> #19: 5.0.0 #25: withdrawn	
<hr/>					
<b>TS 02.73</b>	<b>Malicious Call Identification (MCID); Stage 1</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> SHARP, Iain	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> N, A		
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i>	
				<i>remarks - this release:</i> .	

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<b>TS 02.77</b>	<b>Emergency call TS12 with additional data transfer</b>					
R96	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> CONRAD, Alan	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC: N, A			
	<i>history (event, available, version, comments):</i>				<i>remarks - general:</i>	
					<i>remarks - this release:</i> .	
<hr/>						
<b>TS 02.87</b>	<b>User-to-User Signalling (UUS) Service Description; Stage 1</b>					
R96	<i>current version:</i> none	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> ACHTER, Johannes	T-Mobile AUSTRIA GmbH		
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC: CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>				<i>remarks - general:</i>	
	smg-18 1996-04-12 5 . 0 . 0	<a href="#">get it</a>			<i>remarks - this release:</i> #18: 5.0.0 #20: 5.1.0 #21: 5.2.0 #23: 5.3.0 #25: withdrawn	
	smg-20 1996-10-11 5 . 1 . 0	<a href="#">get it</a>				
	smg-21 1997-02-14 5 . 2 . 0	<a href="#">get it</a>				
	edito 1996-01-19 5 . 2 . 1	<a href="#">get it</a>				
	smg-23 1997-10-17 5 . 3 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 02.92</b>	<b>Call Forward Enhancements (CFE) - Stage 1 description</b>					
R96	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> RENAUD, Nicolas	Indicate persons who left Company and wait for new One		
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC: N, A			
	<i>history (event, available, version, comments):</i>				<i>remarks - general:</i>	
					<i>remarks - this release:</i> .	
<hr/>						
<b>TS 02.93</b>	<b>Completion of Calls to Busy Subscriber (CCBS) Service Description; Stage 1</b>					
R96	<i>current version:</i> none	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC: CLAYTON, Michael			
	<i>history (event, available, version, comments):</i>				<i>remarks - general:</i>	
	smg-16 5 . 0 . 0				<i>remarks - this release:</i> #16: 5.0.0 #19: 5.1.0 #20: 5.2.0 #22: 5.3.0 #23: 5.4.0 #24: 5.5.0 #25: withdrawn	
	smg-19 5 . 1 . 0					
	smg-20 5 . 2 . 0					
	smg-22 5 . 3 . 0					
	smg-23 5 . 4 . 0					
	smg-24 5 . 5 . 0					

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**TS 02.96 Name Identification Supplementary Services; Stage 1**

R96 *current version:* none *WG (prime / other):* S1 / - *rapporteur:* CLAYTON, Michael EMCOM Ltd  
*freeze\_meeting:* smg-22 *G: yes U:* MCC: CLAYTON, Michael  
*history (event, available, version, comments):*  
smg-24 5 . 0 . 0 *remarks - general:*  
*remarks - this release:* #24: 5.0.0 #25: withdrawn

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**TS 02.97 Multiple Subscriber Profile (MSP) Service description, Stage 1**

R96 *current version:* none *WG (prime / other):* S1 / - *rapporteur:* DEOL, Amar Nortel Networks (USA)  
*freeze\_meeting:* smg-22 *G: yes U:* MCC: CLAYTON, Michael  
*history (event, available, version, comments):*  
smg-19 1996-06-28 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-22 1997-06-13 5 . 1 . 0 [get it](#) *remarks - this release:* #19: 5.0.0 #22: 5.1.0 #23: 5.2.0 #25: withdrawn  
ETSI publication 1997-09-15 5 . 1 . 1 [get it](#)  
smg-23 1997-10-17 5 . 2 . 0 [get it](#)

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**TS 02.98 New barring services; Stage 1**

R96 *current version:* none *WG (prime / other):* - / *rapporteur:* SCHMIDT, Günter DETEMOBIL GMBH  
*freeze\_meeting:* smg-22 *G: yes U:* MCC: N, A  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* .

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**TS 02.99 Direct Subscriber Access and Restriction (DSAR); Stage1**

R96 *current version:* none *WG (prime / other):* - / *rapporteur:* CHAPMAN, Neil ORANGE PCS LTD  
*freeze\_meeting:* smg-22 *G: yes U:* MCC: N, A  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* .

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03 .- series

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<b>TS 03.04</b>	<b>Signalling Requirements Relating to Routing of Calls to Mobile Subscribers</b>				
R96	<i>current version:</i> none <i>freeze_meeting:</i> smg-22	<i>WG (prime / other):</i> N4 / T2	<i>SPAN rapporteur:</i> KYMALAINEN, Kimmo	TeliaSonera AB	
		G: yes U:	MCC:	KYMALAINEN, Kimmo	
	<i>history (event, available, version, comments):</i> smg-20 1996-10-11 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #20: 5.0.0 (To be withdrawn)		
<hr/>					
<b>TS 03.17</b>	<b>Technical realization of Exchange of Network Capabilities Information (ENCI); Stage 2</b>				
R96	<i>current version:</i> none <i>freeze_meeting:</i> smg-22	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> APRATH, Stefan	Vodafone D2 GmbH	
		G: yes U:	MCC:	N, A	
	<i>history (event, available, version, comments):</i> Table of Contents 1996-09-01 0 . 4 . 0 and Scope	<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .		
<hr/>					
<b>TS 03.36</b>	<b>Premium rate services - stage 2</b>				
R96	<i>current version:</i> none <i>freeze_meeting:</i> smg-22	<i>WG (prime / other):</i> - /	<i>rapporteur:</i>		
		G: yes U:	MCC:	N, A	
	<i>history (event, available, version, comments):</i>		<i>remarks - general:</i> <i>remarks - this release:</i> .		
<hr/>					
<b>TR 03.39</b>	<b>Digital Cellular Telecommunications System (Phase 2) Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)</b>				
R96	<i>current version:</i> none <i>freeze_meeting:</i> smg-22	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Research In Motion Limited	
		G: yes U:	MCC:	RODERMUND, Friedhelm	
	<i>history (event, available, version, comments):</i> TP-09 (Withdrawn) 2000-09-28 5 . 0 . 0 smg-20 1996-10-11 5 . 0 . 0	<a href="#">get it</a> <a href="#">get it</a>	<i>remarks - general:</i> TSG#9:withdrawn cos contains misleading information/references <i>remarks - this release:</i> #20: 5.0.0TSG#9:withdrawn cos contains misleading information/references		
<hr/>					
<b>TS 03.60</b>	<b>General Packet Radio Service (GPRS); Service description; Stage 2</b>				
R96	<i>current version:</i> none <i>freeze_meeting:</i> smg-22	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> KUCHIBHOTLA, Ravi	MOTOROLA Ltd	
		G: yes U:	MCC:	YOON, Sang-Ui	
	<i>history (event, available, version, comments):</i> smg-23 5 . 0 . 0 smg-24 5 . 1 . 0 smg-24 5 . 2 . 0 smg-25 5 . 3 . 0 withdrawn, SMG-25		<i>remarks - general:</i> <i>remarks - this release:</i> .		

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<b>TS 03.64</b>	<b>General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> LEPPISAARI, Arto	NOKIA Corporation	
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version, comments):</i>				
	smg-23 5 . 1 . 0			<i>remarks - general:</i>	
	smg-24 5 . 2 . 0 withdrawn SMG-25			<i>remarks - this release:</i> .	
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<b>TS 03.94</b>	<b>Follow Me Service description; Stage 2</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> N, A		
	<i>history (event, available, version, comments):</i>				
				<i>remarks - general:</i>	
				<i>remarks - this release:</i> .	
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<b>TS 03.95</b>	<b>Support of Private Numbering Plan (SPNP); Stage 2</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> SHARP, Iain	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> N, A		
	<i>history (event, available, version, comments):</i>				
				<i>remarks - general:</i>	
				<i>remarks - this release:</i> Scrapped Jan 98.	
<hr/>					
<b>TS 03.98</b>	<b>New barring services; Stage 2 description</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> VAN DER AREND, Peter	Koninklijke KPN N.V.	
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> N, A		
	<i>history (event, available, version, comments):</i>				
				<i>remarks - general:</i>	
				<i>remarks - this release:</i> .	
<hr/>					
<b>TS 03.99</b>	<b>Direct Subscriber Access and Restriction (DSAR); Stage 2</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> VAN DER AREND, Peter	Koninklijke KPN N.V.	
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> N, A		
	<i>history (event, available, version, comments):</i>				
				<i>remarks - general:</i>	
				<i>remarks - this release:</i> .	

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**TS 04.36 Premium rate services - stage 3**

R96 *current version:* none *WG (prime / other):* - / *rapporteur:*  
*freeze\_meeting:* smg-22 *G: yes U:* MCC: N, A  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* .

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**TS 04.64 General Packet Radio Service (GPRS); Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) layer specification**

R96 *current version:* none *WG (prime / other):* N1 / - *rapporteur:* DOIG, Ian MOTOROLA S.A.S  
*freeze\_meeting:* smg-22 *G: yes U:* MCC: JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
smg-23 1997-10-17 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-24 1997-12-19 5 . 1 . 0 [get it](#) *remarks - this release:* #25: withdrawn

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**TS 04.65 General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)**

R96 *current version:* none *WG (prime / other):* N1 / - *rapporteur:* DOIG, Ian MOTOROLA S.A.S  
*freeze\_meeting:* smg-22 *G: yes U:* MCC: JORGENSEN, Per Johan  
*history (event, available, version, comments):*  
smg-23 1997-10-17 5 . 0 . 0 [get it](#) *remarks - general:* 24.065 existed, but scrapped since 04.65 is GSM only.  
smg-24 1997-12-19 5 . 1 . 0 [get it](#) *remarks - this release:* #25: withdrawn

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**TS 04.70 Payphone services - stage 3**

R96 *current version:* none *WG (prime / other):* - / *rapporteur:* CLAYTON, Michael EMCOM Ltd  
*freeze\_meeting:* smg-22 *G: yes U:* MCC: N, A  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* .

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**TS 04.73 Malicious Call Identification (MCID); Stage 3**

R96 *current version:* none *WG (prime / other):* - / *rapporteur:* VAN DER AREND, Peter Koninklijke KPN N.V.  
*freeze\_meeting:* smg-22 *G: yes U:* MCC: N, A  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* .

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs R96 04 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

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**TS 04.78 customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 3**  
R96 *current version:* none *WG (prime / other):* - / *rapporteur:* VAN DER AREND, Peter Koninklijke KPN N.V.  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* N, A  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* .

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**TS 04.79 Support of optimal routeing; Stage 3**  
R96 *current version:* none *WG (prime / other):* - / *rapporteur:* VAN DER AREND, Peter Koninklijke KPN N.V.  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* N, A  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* .

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**TS 04.98 New barring services; Stage 3**  
R96 *current version:* none *WG (prime / other):* - / *rapporteur:* VAN DER AREND, Peter Koninklijke KPN N.V.  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* N, A  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* .

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**TS 04.99 Direct subscriber access and restriction; Stage 3**  
R96 *current version:* none *WG (prime / other):* - / *rapporteur:* VAN DER AREND, Peter Koninklijke KPN N.V.  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* N, A  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* .

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R96 05 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/05\\_series](http://www.3gpp.org/ftp/Specs/archive/05_series)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs R96 05 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/05\\_series](http://www.3gpp.org/ftp/Specs/archive/05_series)

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<b>TS 05.00</b>	<b>Service to GSM handportables in trains</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> VOSKAR, Paul	NOKIA UK Ltd	
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC:	N, A	
<i>history (event, available, version, comments):</i>				<i>remarks - general:</i>	
				<i>remarks - this release:</i> .	
<hr/>					
<b>TS 05.18</b>	<b>Hands free mobile station</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> ANDERSEN, Niels Peter	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC:	Skov N, A	
<i>history (event, available, version, comments):</i>				<i>remarks - general:</i>	
				<i>remarks - this release:</i> .	
<hr/>					
<b>TS 05.19</b>	<b>Service to GSM handportables in trains</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> WILTSHIRE, Timothy	Indicate persons who left Company and wait for new	
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC:	Robin N, A One	
<i>history (event, available, version, comments):</i>				<i>remarks - general:</i>	
				<i>remarks - this release:</i> .	
<hr/>					
<b>TR 05.20</b>	<b>Fast moving Mobile Station (study)</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> REINER, Michaél	Eads Telecom Deutschland GmbH	
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC:	N, A	
<i>history (event, available, version, comments):</i>				<i>remarks - general:</i>	
				<i>remarks - this release:</i> .	
<hr/>					
<b>TS 05.30</b>	<b>General packet radio service requirements</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> CONRAD, Alan	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC:	N, A	
<i>history (event, available, version, comments):</i>				<i>remarks - general:</i>	
				<i>remarks - this release:</i> .	

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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WITHDRAWN specs R96 07 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/07\\_series](http://www.3gpp.org/ftp/Specs/archive/07_series)

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R96 **07** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/07\\_series](http://www.3gpp.org/ftp/Specs/archive/07_series)

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**TS 07.57 Mobile Station Application Execution Environment (MExE); Stage 3**

R96 *current version:* none *WG (prime / other):* - / *rapporteur:* CANDISH, John Xtempus Ltd  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* N, A  
*history (event, available, version, comments):*

*remarks - general:*  
*remarks - this release:* .

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R96 **08** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/08\\_series](http://www.3gpp.org/ftp/Specs/archive/08_series)

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**TS 08.14 General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1**

R96 *current version:* none *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* Skov THOMASEN, Gert

*history (event, available, version, comments):*  
smg-24 5 . 0 . 0 smg-26: withdrawn

*remarks - general:*  
*remarks - this release:* .

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**TS 08.16 General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Network Service**

R96 *current version:* none *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels Peter MOTOROLA A/S  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* Skov THOMASEN, Gert

*history (event, available, version, comments):*  
smg-24 1997-12-19 5 . 0 . 0 SMG-25: withdrawn

[get it](#) *remarks - general:*  
*remarks - this release:* .

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R96 **09** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/09\\_series](http://www.3gpp.org/ftp/Specs/archive/09_series)

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs R96 09 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/09\\_series](http://www.3gpp.org/ftp/Specs/archive/09_series)

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**TS 09.12 Application of ISDN User Part (ISUP) Version 2 for the Integrated Services Digital Network (ISDN) - Public Land Mobile Network (PLMN) signalling interface; Paart 1: Protocol**

R96 *current version:* none *WG (prime / other):* TISPAN / N4 *rapporteur:* HÄNDIG, Peter Telia Mobile AB  
*freeze\_meeting:* smg-22 *G: yes U:* MCC:  
*history (event, available, version, comments):*  
draft (ETSI TC SPS) 1997-11-10 5 . 2 . 1 [get it](#) *remarks - general:* EN 300 646  
*remarks - this release:* .  
draft (ETSI TC SPS) 1999-05-18 5 . 3 . 0 [get it](#)  
SPS1 approval 1999-05-21 5 . 3 . 1 [get it](#)

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**TS 09.20 Support of Shared Data Interworking Function**

R96 *current version:* none *WG (prime / other):* - / *rapporteur:*  
*freeze\_meeting:* smg-22 *G: yes U:* MCC: N, A  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* .

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**TS 09.60 General Packet Radio Service (GPRS); GPRS Tunnelling Protocol GPT) across the Gn and Gp Interface**

R96 *current version:* none *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*freeze\_meeting:* smg-22 *G: yes U:* MCC: KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
smg-24 1997-12-19 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #24: 5.0.0 #25: withdrawn

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R96 10 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/10\\_series](http://www.3gpp.org/ftp/Specs/archive/10_series)

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WITHDRAWN specs R96 10 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/10\\_series](http://www.3gpp.org/ftp/Specs/archive/10_series)

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## TS 10.60 General Packet Radio Services (GPRS); Project Scheduling and Open Issues

R96 *current version:* none *WG (prime / other):* S2 / - *rapporteur:*  
*freeze\_meeting:* smg-22 *G: yes U:* MCC: YOON, Sang-Ui  
*history (event, available, version, comments):*  
smg-21 1997-02-14 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-22 1997-06-13 5 . 1 . 0 [get it](#) *remarks - this release:* #25: (5.x.y withdrawn)  
smg-24 1997-10-08 5 . 2 . 0 [get it](#)  
draft 1997-10-28 5 . 2 . 1 [get it](#)  
draft 1998-12-10 5 . 3 . 0 [get it](#)  
smg-24 1997-12-20 5 . 3 . 1 [get it](#)  
draft 1998-02-05 5 . 3 . 2 [get it](#)  
draft 1998-02-12 5 . 3 . 3 [get it](#)  
draft 1998-02-15 5 . 3 . 4 [get it](#)  
draft 1998-03-15 5 . 3 . 5 [get it](#)  
draft 1998-03-05 5 . 4 . 0 [get it](#)  
smg-25 1998-03-15 5 . 4 . 1 [get it](#)  
draft 1998-04-06 5 . 4 . 2 [get it](#)

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## TR 10.66 Support of Mobile Number Portability (MNP); Project plan

R96 *current version:* none *WG (prime / other):* S1 / - *rapporteur:* TARAZI, Roger EDP Telecom  
*freeze\_meeting:* smg-22 *G: yes U:* MCC: CLAYTON, Michael  
*history (event, available, version, comments):*  
smg-21 5 . 0 . 0 *remarks - general:*  
*remarks - this release:* .

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## TR 10.68 Introduction to the services: enhanced Multi-Level Precedence and Pre-emption (eMLPP), Voice Group Call Service (VGCS), Voice Broadcast Service (VBS)

R96 *current version:* none *WG (prime / other):* S2 / - *rapporteur:* VAN DER AREND, Peter Koninklijke KPN N.V.  
*freeze\_meeting:* smg-22 *G: yes U:* MCC: YOON, Sang-Ui  
*history (event, available, version, comments):*  
smg-21 5 . 0 . 0 abandoned *remarks - general:*  
*remarks - this release:* May-2000: spec never produced; Sultan investigating the need. July-2001: scrap.

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R96 11 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs R96 11 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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**TS 11.10-2 Mobile station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification**  
R96 *current version:* none *WG (prime / other):* G3new/ S1 / *rapporteur:* SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* smg-22 NP / T2 / SCP  
G: yes U: MCC: CLAYTON, Michael  
*history (event, available, version, comments):*  
*remarks - general:* 2001-11-19: G4->G5.  
*remarks - this release:* Place holder; no draft ever produced (refer to Phase 2 version).

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**TS 11.12 Specification on the 3 volt subscriber identity module Equipment (SIM-ME) Interface**  
R96 *current version:* none *WG (prime / other):* T3 / - *rapporteur:* LINDHOLM, Rune NOKIA Corporation  
*freeze\_meeting:* smg-22 G: yes U: MCC: JURISIC, Andrijana  
*history (event, available, version, comments):*  
smg-16? 1996-01-25 5 . 0 . 0 SMG-16: withdrawn [get it](#) *remarks - general:*  
*remarks - this release:* #16: 5.0.0 withdrawn

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**TS 11.21 Base Station System (BSS) equipment specification; Radio aspects**  
R96 *current version:* none *WG (prime / other):* G1 / - *rapporteur:* VACANT, USAI, Paolino  
*freeze\_meeting:* smg-22 G: yes U: MCC: USAI, Paolino  
*history (event, available, version, comments):*  
smg-22 1997-06-13 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-23 1997-10-17 5 . 1 . 0 [get it](#) *remarks - this release:*  
smg-25 1998-03-20 5 . 2 . 0 [get it](#)  
smg-26 1998-06-26 5 . 3 . 0 [get it](#)  
smg-27 1998-10-16 5 . 4 . 0 [get it](#)  
Editorial correction 1998-10-16 5 . 4 . 1 [get it](#)  
GP-09 2002-05-15 5 . 5 . 0 withdrawn [get it](#)

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R96 12 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

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G = required in systems with GERAN access; U = required in systems with UMTS access.

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WITHDRAWN specs R96 12 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

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<b>TS 12.03</b>	<b>Security Management</b>					
R96	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / S1 / NP	<i>rapporteur:</i>	TRUSS, Michael	MOTOROLA Ltd	
	<i>freeze_meeting:</i> smg-22					
	<i>history (event, available, version, comments):</i>	G: yes U:	MCC:	ZOICAS, Adrian		
						<i>remarks - general:</i>
						<i>remarks - this release:</i> No spec.

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<b>TS 12.04</b>	<b>Performance data measurements</b>					
R96	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / S1 / NP	<i>rapporteur:</i>	TOCHE, Christian	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> smg-22					
	<i>history (event, available, version, comments):</i>	G: yes U:	MCC:	ZOICAS, Adrian		
						<i>remarks - general:</i>
						<i>remarks - this release:</i> No spec.

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## Ph2

Ph2 01 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/01\\_series](http://www.3gpp.org/ftp/Specs/archive/01_series)

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<b>TR 01.05</b>	<b>Definitions</b>					
Ph2	<i>current version:</i> none	<i>WG (prime / other):</i> SP / -	<i>rapporteur:</i>	VACANT,		
	<i>freeze_meeting:</i>	G: yes U:	MCC:	POPE, Maurice		
	<i>history (event, available, version, comments):</i>					<i>remarks - general:</i>
						<i>remarks - this release:</i> n.a.

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G = required in systems with GERAN acces; U = required in systems with UMTS access.



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**TS 01.06 Service implementation phases and possible further phases in the GSM PLMN**  
Ph2 *current version: none* *WG (prime / other): - / -* *rapporteur: TWINGLER, Jonas* Northstream AB  
*freeze\_meeting:* *G: yes U:* *MCC: N, A*  
*history (event, available, version, comments):*

*remarks - general:*  
*remarks - this release: .*

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**TS 01.07 Updating procedure for GSM Recommendations**  
Ph2 *current version: none* *WG (prime / other): - / -* *rapporteur: TWINGLER, Jonas* Northstream AB  
*freeze\_meeting:* *G: yes U:* *MCC: N, A*  
*history (event, available, version, comments):*

*remarks - general:*  
*remarks - this release: .*

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Ph2 **02** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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**TS 02.08 Quality of Service (QoS) / GSM system performance**  
Ph2 *current version: none* *WG (prime / other): - / -* *rapporteur: TWINGLER, Jonas* Northstream AB  
*freeze\_meeting:* *G: yes U:* *MCC: N, A*  
*history (event, available, version, comments):*

draft	1995-08-21	0	.	1	.	0	
draft	1994-06-01	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
							<a href="#">get it</a> <i>remarks - this release: #16: withdrawn</i>

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Ph2 **03** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

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**TR 03.39 Digital Cellular Telecommunications System (Phase 2) Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)**  
Ph2 *current version: none* *WG (prime / other): T2 / -* *rapporteur: HARRIS, Ian* Research In Motion Limited  
*freeze\_meeting:* *G: yes U:* *MCC: RODERMUND, Friedhelm*  
*history (event, available, version, comments):*

smg-16	1995-10-20	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> TSG#9:withdrawn cos contains misleading information/references
							<i>remarks - this release: #16: 4.0.0 TSG#9:withdrawn cos contains misleading information/references</i>

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs Ph2 03 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

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Ph2 07 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/07\\_series](http://www.3gpp.org/ftp/Specs/archive/07_series)

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**TS 07.06 Use of the V Series Data Terminal Equipment - Data Circuit Terminating Equipment (DTE-DCE) Interface at the Mobile Station (MS) for Mobile Termination (MT) configuration**

Ph2 *current version:* none *WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*freeze\_meeting:* *G:* yes *U:* *MCC:* RODERMUND, Friedhelm

*history (event, available, version, comments):*

ETSI publication 1994-09-13 4 . 1 . 2  
ETSI OAP 1995-03-06 4 . 2 . 0  
ETSI publication 1995-08-01 4 . 2 . 1

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #7: 4.1.0 #13: 4.2.0 #15: withdrawn  
[get it](#)

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Ph2 08 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/08\\_series](http://www.3gpp.org/ftp/Specs/archive/08_series)

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**TS 08.59 BSC-BTS O&M Signalling Transport**

Ph2 *current version:* none *WG (prime / other):* G1 / - *rapporteur:* VACANT, USAI, Paolino  
*freeze\_meeting:* *G:* yes *U:* *MCC:*

*history (event, available, version, comments):*

*remarks - general:*  
*remarks - this release:*

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Ph2 09 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/09\\_series](http://www.3gpp.org/ftp/Specs/archive/09_series)

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**TS 09.92 GSM Phase 1 Mobile Station interworking with Phase 2 Networks**

Ph2 *current version:* none *WG (prime / other):* - / *rapporteur:* TWINGLER, Jonas Northstream AB  
*freeze\_meeting:* *G:* yes *U:* *MCC:* N, A

*history (event, available, version, comments):*

*remarks - general:*  
*remarks - this release:* .

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G = required in systems with GERAN acces; U = required in systems with UMTS access.

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WITHDRAWN specs Ph2 09 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/09\\_series](http://www.3gpp.org/ftp/Specs/archive/09_series)

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Ph2 11 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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WITHDRAWN specs Ph2 11 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

## TS 11.10-3 Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)

Ph2 *current version:* none *WG (prime / other):* G3new/ S1 / *rapporteur:* SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* smg-11b NP /  
T2 /  
SCP

*G:* yes *U:* *MCC:* CLAYTON, Michael

### *history (event, available, version, comments):*

smg-16	1995-10-20	4	.	13	.	0	<a href="#">get it</a>	<i>remarks - general:</i> 2001-11-19: G4->G5.
smg-17	1996-02-02	4	.	14	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> GP-06: Rel-4 serves all releases.
smg-18	1996-04-12	4	.	15	.	0	<a href="#">get it</a>	
smg-19	1996-06-28	4	.	16	.	0	<a href="#">get it</a>	
ETSI publication	1997-01-27	4	.	16	.	1	<a href="#">get it</a>	
smg-20	1996-10-11	4	.	17	.	0	<a href="#">get it</a>	
ETSI publication	1997-06-04	4	.	17	.	1	<a href="#">get it</a>	
smg-21	1997-02-14	4	.	18	.	0	<a href="#">get it</a>	
ETSI publication	1997-09-11	4	.	18	.	1	<a href="#">get it</a>	
smg-22	1997-06-13	4	.	19	.	0	<a href="#">get it</a>	
ETSI publication	1998-02-02	4	.	19	.	1	<a href="#">get it</a>	
smg-23	1997-10-17	4	.	20	.	0	<a href="#">get it</a>	
ETSI publication	1998-05-11	4	.	20	.	1	<a href="#">get it</a>	
smg-24	1997-12-19	4	.	21	.	0	<a href="#">get it</a>	
ETSI publication	1998-08-24	4	.	21	.	1	<a href="#">get it</a>	
smg-25	1998-03-20	4	.	22	.	0	<a href="#">get it</a>	
ETSI publication	1998-10-23	4	.	22	.	1	<a href="#">get it</a>	
smg-26	1998-06-26	4	.	23	.	0	<a href="#">get it</a>	
ETSI publication	1998-12-16	4	.	23	.	1	<a href="#">get it</a>	
smg-27	1998-10-16	4	.	24	.	0	<a href="#">get it</a>	
ETSI publication	1999-04-08	4	.	24	.	1	<a href="#">get it</a>	
smg-28	1999-02-12	4	.	25	.	0	<a href="#">get it</a>	
ETSI publication	1999-08-25	4	.	25	.	1	<a href="#">get it</a>	
smg-29	1999-06-25	4	.	26	.	0	<a href="#">get it</a>	
ETSI publication	1999-12-23	4	.	26	.	1	<a href="#">get it</a>	
smg-30	1999-11-11	4	.	27	.	0	<a href="#">get it</a>	
ETSI publication	2000-06-23	4	.	27	.	1	<a href="#">get it</a>	
smg-31	2000-02-16	4	.	28	.	0	<a href="#">get it</a>	
ETSI publication	2000-10-05	4	.	28	.	1	<a href="#">get it</a>	
smg-32	2000-06-20	4	.	29	.	0	<a href="#">get it</a>	
GP-02	2000-12-01	4	.	30	.	0	<a href="#">get it</a>	
GP-03	2001-01-25	4	.	31	.	0	<a href="#">get it</a>	
GP-04	2001-04-11	4	.	32	.	0	<a href="#">get it</a>	

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WITHDRAWN specs Ph2 11 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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GP-05 2001-06-28 4 . 33 . 0  
GP-06 2001-09-06 4 . 34 . 0

[get it](#)  
[get it](#)

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## TS 11.16 Conformity Specifications for Transparent Facsimile Group 3 Adaptors

Ph2 *current version:* none

*freeze\_meeting:*

*history (event, available, version, comments):*

*WG (prime / other):* - /

*G:* yes *U:*

*rapporteur:* HOWELL, Andrew

*MCC:* N, A

MOTOROLA Ltd

*remarks - general:*

*remarks - this release:* .

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## TS 11.25 The GSM Base Station System (BSS) Equipment specification Half-rate speech

Ph2 *current version:* none

*freeze\_meeting:*

*history (event, available, version, comments):*

*WG (prime / other):* G1 / -

*G:* yes *U:*

*rapporteur:* VACANT,

*MCC:* USAI, Paolino

*remarks - general:*

*remarks - this release:* (no such spec)

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Ph2

12 .- series

Server location: [http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

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## TS 12.07 Public Land Mobile Network (PLMN) Quality of Service (QoS)

Ph2 *current version:* none

*freeze\_meeting:*

*history (event, available, version, comments):*

draft 0 . 0 . 0

*WG (prime / other):* - / -

*G:* yes *U:*

*rapporteur:*

*MCC:* N, A

*remarks - general:*

Title may have been "Network Management (NM); Part 3: Operations and performance management".  
*remarks - this release:* .

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Ph1

G = required in systems with GERAN acces; U = required in systems with UMTS access.

# 3GPP specification status

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WITHDRAWN specs Ph1 00 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/00\\_series](http://www.3gpp.org/ftp/Specs/archive/00_series)

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Ph1 00 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/00\\_series](http://www.3gpp.org/ftp/Specs/archive/00_series)

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**TR 00.02 Voice group call service study (UIC project)**  
Ph1 *current version:* none *freeze\_meeting:* *WG (prime / other):* - / *rapporteur:* N, A Indicate persons who left Company and wait for new One  
*G: yes U:* *MCC:* N, A  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* .

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Ph1 02 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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**TS 02.05 Simultaneous and Alternate Use of Services**  
Ph1 *current version:* none *freeze\_meeting:* *WG (prime / other):* - / *rapporteur:* N, A Indicate persons who left Company and wait for new One  
*G: yes U:* *MCC:* N, A  
*history (event, available, version, comments):*  
smg-01 1992-05-06 3 . 0 . 2 [get it](#) *remarks - general:* MoU  
*remarks - this release:* .

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**TS 02.08 Quality of Service (QoS) / GSM system performance**  
Ph1 *current version:* none *freeze\_meeting:* *WG (prime / other):* - / - *rapporteur:* TWINGLER, Jonas Northstream AB  
*G: yes U:* *MCC:* N, A  
*history (event, available, version, comments):*  
1995-08-25 0 . 2 . 0 [get it](#) *remarks - general:*  
1995-10-06 0 . 2 . 1 [get it](#) *remarks - this release:* .  
1994-05-10 3 . 0 . 0 [get it](#)  
1994-05-10 3 . 0 . 1 [get it](#)

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WITHDRAWN specs Ph1 02 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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<b>TS 02.10</b>	<b>Provision of Telecommunication Services</b>					
Ph1	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> N, A			Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i>	<i>G: yes U:</i>	<i>MCC:</i> N, A			
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i>		
				<i>remarks - this release:</i> .		
<hr/>						
<b>TS 02.12</b>	<b>Licensing</b>					
Ph1	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> N, A			Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i>	<i>G: yes U:</i>	<i>MCC:</i> N, A			
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i>		
				<i>remarks - this release:</i> .		
<hr/>						
<b>TS 02.13</b>	<b>Subscription to the Services of a GSM PLMN</b>					
Ph1	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> N, A			Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i>	<i>G: yes U:</i>	<i>MCC:</i> N, A			
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i>		
				<i>remarks - this release:</i> .		
<hr/>						
<b>TS 02.14</b>	<b>Service Directory</b>					
Ph1	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> N, A			Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i>	<i>G: yes U:</i>	<i>MCC:</i> N, A			
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i>		
				<i>remarks - this release:</i> .		
<hr/>						
<b>TS 02.15</b>	<b>Circulation of mobile stations</b>					
Ph1	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> N, A			Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i>	<i>G: yes U:</i>	<i>MCC:</i> N, A			
	<i>history (event, available, version, comments):</i>			<i>remarks - general:</i>		
				<i>remarks - this release:</i> .		

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WITHDRAWN specs Ph1 02 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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**TS 02.21**    **Transferred account procedure and billing information**  
Ph1    *current version:* none    *WG (prime / other):* S2 /    *rapporteur:* N, A    Indicate persons who left Company and wait for new One  
*freeze\_meeting:*    *G: yes*    *U:*    *MCC:* YOON, Sang-Ui  
*history (event, available, version, comments):*  
Jan 1990 1994-05-10 3 . 3 . 0    [get it](#)    *remarks - general:*  
? 1994-05-10 3 . 4 . 0    [get it](#)    *remarks - this release:* .

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Ph1    **03** .- series    Server location: [http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

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**TS 03.42**    **SMS Compression**  
Ph1    *current version:* none    *WG (prime / other):* T2 / -    *rapporteur:* HARRIS, Ian    Research In Motion Limited  
*freeze\_meeting:*    *G: yes*    *U:*    *MCC:* RODERMUND, Friedhelm  
*history (event, available, version, comments):*  
gsm4 2003-05-06 3 . 0 . 0    Jan 1990: title was "Advanced data    [get it](#)    *remarks - general:*  
MHS".    *remarks - this release:* .

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Ph1    **09** .- series    Server location: [http://www.3gpp.org/ftp/Specs/archive/09\\_series](http://www.3gpp.org/ftp/Specs/archive/09_series)

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**TS 09.09**    **Detailed Signalling Interworking within the PLMN and with the PSTN/ISDN**  
Ph1    *current version:* none    *WG (prime / other):* N4 / -    *rapporteur:* VAINIKKA, Jari    NOKIA Corporation  
*freeze\_meeting:* gsm-25b    *G: yes*    *U:*    *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version, comments):*  
First complete draft    1 . 0 . 0    *remarks - general:* 2003-05-07: no draft available, so withdraw.  
*remarks - this release:* .

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Ph1    **11** .- series    Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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WITHDRAWN specs Ph1 11 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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**TS 11.01 Mobile station type approval procedure principles (Candidate NET 10 part 1)**  
Ph1 *current version:* none *WG (prime / other):* - / *rporteur:* N, A Indicate persons who left Company and wait for new One  
*freeze\_meeting:* *G: yes U:* *MCC:* N, A  
*history (event, available, version, comments):* *remarks - general:*  
*remarks - this release:* .

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**TS 11.20 GSM DCS 1800 Base Station Specification**  
Ph1 *current version:* none *WG (prime / other):* GP / NP *rporteur:* VACANT,  
*freeze\_meeting:* *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version, comments):* *remarks - general:*  
*remarks - this release:*

gsm-32		3 . 6 . 0	
smg-01		3 . 7 . 0	
smg-02		3 . 8 . 0	
smg-03		3 . 9 . 0	
smg-04		3 . 10 . 0	
smg-05		3 . 11 . 0	
smg-06	2003-09-01	3 . 12 . 0	<a href="#">get it</a>
smg-07	1995-01-01	3 . 13 . 0	<a href="#">get it</a>
smg-08		3 . 14 . 0	
smg-09		3 . 15 . 0	
smg-10		3 . 16 . 0	
smg-11		3 . 17 . 0	
smg-12	1995-01-01	3 . 19 . 0	<a href="#">get it</a>
smg-13		3 . 20 . 0	
smg-20	1996-12-13	3 . 23 . 1	<a href="#">get it</a>

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Ph1 12 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

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WITHDRAWN specs Ph1 12 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

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**TS 12.07 Public Land Mobile Network (PLMN) Quality of Service (QoS)**  
Ph1 *current version:* none *WG (prime / other):* - / - *rapporteur:*  
*freeze\_meeting:* *G:* yes *U:* *MCC:* N, A  
*history (event, available, version, comments):*  
draft 0 . 0 . 0  
*remarks - general:* Title may have been "Network Management (NM); Part 3: Operations and performance  
*remarks - this release:* . management".

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**TS 12.13 Maintenance of the Mobile-services Switching Centre**  
Ph1 *current version:* none *WG (prime / other):* S5 / *rapporteur:* TRUSS, Michael MOTOROLA Ltd  
*freeze\_meeting:* gsm-25b *G:* yes *U:* *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* .

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**TS 12.14 Maintenance of Location Registers**  
Ph1 *current version:* none *WG (prime / other):* S5 / *rapporteur:* TRUSS, Michael MOTOROLA Ltd  
*freeze\_meeting:* gsm-25b *G:* yes *U:* *MCC:* ZOICAS, Adrian  
*history (event, available, version, comments):*  
*remarks - general:*  
*remarks - this release:* .

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24 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/24\\_series](http://www.3gpp.org/ftp/Specs/archive/24_series)

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WITHDRAWN specs 24 .- series  
Server location: [http://www.3gpp.org/ftp/Specs/archive/24\\_series](http://www.3gpp.org/ftp/Specs/archive/24_series)

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**TS 24.04U** **UMTS Interworking and internetworking signalling aspects; Interworking of UMTS with other systems**  
*current version:* none *WG (prime / other):* - / *rapporteur:* N, A Indicate persons who left Company and wait for new One  
*freeze\_meeting:* *G:* *U:* *MCC:* N, A  
  
*history (event, available, version, comments):* *remarks - general:*  
*remarks - this release:*

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**32 .- series** Server location: [http://www.3gpp.org/ftp/Specs/archive/32\\_series](http://www.3gpp.org/ftp/Specs/archive/32_series)

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**TS 32.103** **(pending)**  
*current version:* none *WG (prime / other):* S5 / *rapporteur:* N, A Indicate persons who left Company and wait for new One  
*freeze\_meeting:* *G:* *U:* yes *MCC:* ZOICAS, Adrian  
  
*history (event, available, version, comments):* *remarks - general:* 2003-11-05: S5 declares this spec number will not be used.  
*remarks - this release:*

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