

**3GPP TSG-CN**  
**3GPP TSG-RAN**  
**3GPP TSG-T**  
**3GPP TSG-SA**  
**Meeting #21, Frankfurt (Germany), September 2003**

***Tdoc NP-03430***  
***Tdoc RP-03525***  
***Tdoc TP-030210***  
***Tdoc SP-030496***

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

**Title:**             **Specs status list prior to TSGs#21**

**Document for:**    **information**

The following table shows the status list immediately prior to TSGs#21. It differs from that corresponding to the end of SA#20 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#15 and GERAN#16.

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Active or Withdrawn / Stopped (Active specs first)  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 6  
Release 5  
Release 4  
Release 99  
Release 98  
Release 97  
Release 96  
Phase 2  
Phase 1  
Withdrawn / Stopped

# 3GPP specification status

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Server ACTIVE specs <?> 21 .- series  
[http://www.3gpp.org/ftp/Specs/archive/21\\_series](http://www.3gpp.org/ftp/Specs/archive/21_series)

## ACTIVE specs

<?>

<?> 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 21.902</b>	<b>Evolution of 3GPP system</b>								
<?>	current version: 1.1.1		DRAFT	WG (prime / other): SP / -	rapporteur: BISHOP, Craig		SAMSUNG Electronics Research Institute		
	freeze_meeting:			G: U: yes	MCC: POPE, Maurice				
	history (event, available, version,								
	SP-18, Evolution meeting #2	03/01/2003	0 . 0 . 0	Prior to SP-18: doc = EV020032	<a href="#">get it</a>	remarks - general:			
	revised to add missing text	08/01/2003	0 . 1 . 0		<a href="#">get it</a>	remarks - this release:	SP-20: expect revised drafts 2003-06-20 & 2003-09-05.		
	SP-19, Evolution meeting #3	24/03/2003	0 . 1 . 1	EV-030002	<a href="#">get it</a>				
	draft	07/04/2003	0 . 2 . 0		<a href="#">get it</a>				
	draft	17/04/2003	0 . 2 . 1	incorporating comments post SP-19	<a href="#">get it</a>				
	SP-20, Evolution meeting #4	02/06/2003	0 . 2 . 2	EV-030042	<a href="#">get it</a>				
	draft	20/06/2003	1 . 1 . 0		<a href="#">get it</a>				
	draft	20/06/2003	1 . 1 . 1		<a href="#">get it</a>				

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<?> 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 34.902</b>	<b>Measurement uncertainty</b>								
<?>	current version: none			WG (prime / other): T1 /	rapporteur: ROSE, Ian		RACAL INSTRUMENTS LTD		
	freeze_meeting:			G: yes U: yes	MCC: SULTAN, Alain				
	history (event, available, version,								
						remarks - general:			
						remarks - this release:	.		

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

## 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)

### TR 25.802 Remote control of electrical tilting antennas)

Rel-7 *current version: none*  
*freeze\_meeting:*  
*history (event, available, version,*

*WG (prime / other):* R3 / - *rapporteur:* HAUSER, Andreas Vodafone D2 GmbH  
*G:* *U:* yes *MCC:* KRAUSE, Joern

*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 xx.8xx

number instead. 2003-05-12: 25.802 reserved as well as 25.997. One or

other of these numbers will be used, the other returned to the pool. TP-20: This one is confirmed

### TR 25.997 (provisionally reserved for: Remote control of electrical tilting antennas) - TP-20: number not used, bacame 25.802.

Rel-7 *current version: none*  
*freeze\_meeting:*  
*history (event, available, version,*

*WG (prime / other):* R3 / - *rapporteur:* HAUSER, Andreas Vodafone D2 GmbH  
*G:* *U:* yes *MCC:* KRAUSE, Joern

*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 xx.8xx

number instead.

## 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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Server ACTIVE specs Rel-6 21 .- series  
[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,*

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

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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

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

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

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## TR 21.905 Vocabulary for 3GPP Specifications

Rel-6 *current version:* 6.3.0 *WG (prime / other):* S1 / - *rapporteur:* ZARRI, Michele T-Mobile (UK) Ltd  
*freeze\_meeting:* SP-22 G: U: yes *MCC:* CLAYTON, Michael

*history (event, available, version,*  
SP-17 16/09/2002 6 . 0 . 0  
SP-18 18/12/2002 6 . 1 . 0  
SP-19 25/03/2003 6 . 2 . 0  
SP-20 18/06/2003 6 . 3 . 0

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

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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:* 6.1.0 *WG (prime / other):* S1 / - *rapporteur:* GALLAIRE, Jean Paul France Telecom  
*freeze\_meeting:* G: yes U: yes *MCC:* CLAYTON, Michael

*history (event, available, version,*  
SP-19 25/03/2003 6 . 0 . 0  
SP-20 18/06/2003 6 . 1 . 0

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

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

<b>TS 22.038</b>	<b>USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1</b>	Rel-6	current version: 6.0.0 freeze_meeting: SP-22 history (event, available, version, SP-20 18/06/2003 6 . 0 . 0)	WG (prime / other): S1 / - G: yes U: yes	rapporteur: CARPENTER, Paul MCC: CLAYTON, Michael	Research In Motion Limited	<a href="#">get it</a> remarks - general: Transfer>TSG#4 remarks - this release: .
<b>TS 22.041</b>	<b>Operator Determined Call Barring</b>	Rel-6	current version: 6.0.0 freeze_meeting: SP-20 18/06/2003 6 . 0 . 0	WG (prime / other): S1 / - G: yes U: yes	rapporteur: WOLAK, Stephen MCC: CLAYTON, Michael	VODAFONE Group Plc	<a href="#">get it</a> remarks - general: Transfer>TSG#4 remarks - this release: .
<b>TS 22.060</b>	<b>General Packet Radio Service (GPRS); Service description; Stage 1</b>	Rel-6	current version: 6.0.0 freeze_meeting: SP-19 25/03/2003 6 . 0 . 0	WG (prime / other): S1 / - G: yes U: yes	rapporteur: CARPENTER, Paul MCC: CLAYTON, Michael	Research In Motion Limited	<a href="#">get it</a> remarks - general: Transfer>TSG#4 remarks - this release: .
<b>TS 22.066</b>	<b>Support of Mobile Number Portability (MNP); Stage 1</b>	Rel-6	current version: 6.1.0 freeze_meeting: SP-22 history (event, available, version, SP-18 18/12/2002 6 . 0 . 0 SP-20 18/06/2003 6 . 1 . 0)	WG (prime / other): S1 / - G: yes U: yes	rapporteur: CLAYTON, Michael MCC: CLAYTON, Michael	EMCOM Ltd	<a href="#">get it</a> remarks - general: Transfer>TSG#4 <a href="#">get it</a> remarks - this release: .
<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 freeze_meeting: SP-22 history (event, available, version, SP-18 18/12/2002 6 . 0 . 0 SP-20 18/06/2003 6 . 1 . 0)	WG (prime / other): S1 / - G: yes U: yes	rapporteur: SWETINA, Joerg MCC: CLAYTON, Michael	SIEMENS AG	<a href="#">get it</a> remarks - general: Transfer>TSG#4 <a href="#">get it</a> remarks - this release: .

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<b>TS 22.071</b>	<b>Location Services (LCS); Stage 1</b>				
Rel-6	<i>current version:</i> 6.4.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> WOHLERT, Randolph	SBC Communications Inc.	
	<i>freeze_meeting:</i> SP-22	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	SP-16 04/07/2002 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4		
	SP-17 17/09/2002 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	SP-18 18/12/2002 6 . 2 . 0	<a href="#">get it</a>			
	SP-19 25/03/2003 6 . 3 . 0	<a href="#">get it</a>			
	SP-20 18/06/2003 6 . 4 . 0	<a href="#">get it</a>			
<hr/>					
<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> 6.1.0	<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,</i>				
	SP-18 10/01/2003 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-19 25/03/2003 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .		
<hr/>					
<b>TS 22.101</b>	<b>Service aspects; Service principles</b>				
Rel-6	<i>current version:</i> 6.4.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> DWYER, Paul	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> SP-22	G: U: yes	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	SP-16 04/07/2002 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-17 17/09/2002 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> SP-020234 slide 11 justifies existence.		
	SP-18 18/12/2002 6 . 2 . 0	<a href="#">get it</a>			
	SP-19 25/03/2003 6 . 3 . 0	<a href="#">get it</a>			
	SP-20 18/06/2003 6 . 4 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 22.105</b>	<b>Services and service capabilities</b>				
Rel-6	<i>current version:</i> 6.2.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> EVEN, Anne	France Telecom	
	<i>freeze_meeting:</i> SP-22	G: U: yes	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	SP-17 17/09/2002 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-19 25/03/2003 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	SP-20 18/06/2003 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: 6.1.0								
	freeze_meeting:								
	history (event, available, version,								
	SP-19 25/03/2003	6	.	0	.	0			
	SP-20 18/06/2003	6	.	1	.	0			
							<a href="#">get it</a>	remarks - general:	
							<a href="#">get it</a>	remarks - this release:	.
<b>TS 22.127</b>	<b>Service Requirement for the Open Services Access (OSA); Stage 1</b>								
Rel-6	current version: 6.3.0								
	freeze_meeting: SP-22								
	history (event, available, version,								
	SP-16 04/07/2002	6	.	0	.	0			
	SP-17 17/09/2002	6	.	1	.	0			
							<a href="#">get it</a>	remarks - general:	
							<a href="#">get it</a>	remarks - this release:	SP-15: Rel-6 record created on approval of WI "Scope of the Open Service Access Release 6".
	SP-18 18/12/2002	6	.	2	.	0			
	SP-20 18/06/2003	6	.	3	.	0			
							<a href="#">get it</a>		
							<a href="#">get it</a>		
<b>TS 22.129</b>	<b>Handover requirements between UTRAN and GERAN or other radio systems</b>								
Rel-6	current version: 6.0.0								
	freeze_meeting:								
	history (event, available, version,								
	SP-19 25/03/2003	6	.	0	.	0			
							<a href="#">get it</a>	remarks - general:	
								remarks - this release:	.
<b>TS 22.140</b>	<b>Multimedia Messaging Service (MMS); Stage 1</b>								
Rel-6	current version: 6.2.0								
	freeze_meeting: SP-22								
	history (event, available, version,								
	SP-18 20/12/2002	6	.	0	.	0			
	SP-19 25/03/2003	6	.	1	.	0			
	SP-20 18/06/2003	6	.	2	.	0			
							<a href="#">get it</a>	remarks - general:	(development in T2)
							<a href="#">get it</a>	remarks - this release:	.
							<a href="#">get it</a>		

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



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<b>TS 22.141</b>	<b>Presence service; Stage 1</b>								
Rel-6	current version: 6.2.0			WG (prime / other): S1 / -	rapporteur: WOHLERT, Randolph	SBC Communications Inc.			
	freeze_meeting: SP-22			G: U: yes	MCC: CLAYTON, Michael				
	history (event, available, version,								
	SP-16 19/07/2002	6 . 0 . 0		<a href="#">get it</a>	remarks - general:				
	SP-17 17/09/2002	6 . 1 . 0		<a href="#">get it</a>	remarks - this release:	SP-15: Rel-6 record created due to approval of work item "Presence service enhancements".			
	SP-19 25/03/2003	6 . 2 . 0		<a href="#">get it</a>					
<b>TS 22.146</b>	<b>Multimedia Broadcast/Multicast Service (MBMS); Stage 1</b>								
Rel-6	current version: 6.2.0			WG (prime / other): S1 /	rapporteur: JARVIS, Andre	3			
	freeze_meeting: SP-22			G: U: yes	MCC: CLAYTON, Michael				
	history (event, available, version,								
	SP-16 04/07/2002	6 . 0 . 0		<a href="#">get it</a>	remarks - general:	Replaces 22.946. Note that stage 2 is 23.246.			
	SP-17 17/09/2002	6 . 1 . 0		<a href="#">get it</a>	remarks - this release:	.			
	SP-19 25/03/2003	6 . 2 . 0		<a href="#">get it</a>					
<b>TS 22.174</b>	<b>Push service; Stage 1</b>								
Rel-6	current version: 6.2.0			WG (prime / other): S1 /	rapporteur: WOLAK, Stephen	VODAFONE Group Plc			
	freeze_meeting:			G: yes U: yes	MCC: CLAYTON, Michael				
	history (event, available, version,								
	draft 27/03/2002	0 . 6 . 0	S1-020540	<a href="#">get it</a>	remarks - general:				
	draft	0 . 8 . 1			remarks - this release:	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	04/07/2002	1 . 0 . 1	<a href="#">get it</a>					
	up								
	SP-17 17/09/2002	2 . 0 . 0	SP-020571	<a href="#">get it</a>					
	SP-17 16/09/2002	6 . 0 . 0		<a href="#">get it</a>					
	SP-18 18/12/2002	6 . 1 . 0		<a href="#">get it</a>					
	SP-19 25/03/2003	6 . 2 . 0		<a href="#">get it</a>					
<b>TS 22.177</b>	<b>Speech-enabled services; Stage 1</b>								
Rel-6	current version: none			WG (prime / other): S1 /	rapporteur: ZARRI, Michele	T-Mobile (UK) Ltd			
	freeze_meeting: SP-22			G: U: yes	MCC: CLAYTON, Michael				
	history (event, available, version,								
					remarks - general:	Spec number reserved; production depends on results of feasibility study			
					remarks - this release:	.			

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

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

Rel-6 *current version:* 6.3.0 *WG (prime / other):* S1 / *rapporteur:* CATALDO, Mark Openwave Systems (N.I.) Ltd  
*freeze\_meeting:* tbd *G:* yes *U:* yes *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
SP-16 04/07/2002 6 . 0 . 0 [get it](#) *remarks - general:*  
SP-17 17/09/2002 6 . 1 . 0 [get it](#) *remarks - this release:* SP-020234 slide 11 justifies existence.  
SP-19 25/03/2003 6 . 2 . 0 [get it](#)  
SP-20 18/06/2003 6 . 3 . 0 [get it](#)

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

Rel-6 *current version:* 6.2.0 *WG (prime / other):* S1 / *rapporteur:* WOLAK, Stephen VODAFONE Group Plc  
*freeze\_meeting:* SP-22 *G:* U: yes *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
SP-17 17/09/2002 6 . 0 . 0 [get it](#) *remarks - general:*  
SP-18 18/12/2002 6 . 1 . 0 [get it](#) *remarks - this release:* .  
SP-19 25/03/2003 6 . 2 . 0 [get it](#)

## TS 22.240 Service requirements for 3GPP Generic User Profile (GUP); Stage 1

Rel-6 *current version:* 6.0.0 *WG (prime / other):* S1 / *rapporteur:* AMERY, Paul ORANGE PCS LTD  
*freeze\_meeting:* tbd *G:* U: yes *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
SP-17 16/09/2002 1 . 0 . 0 SP-020568 [get it](#) *remarks - general:* Cf work item 'Generic user profile"  
SP-19 2 . 0 . 0 SP-030036 *remarks - this release:* SP-17: Expected for SP-18.  
SP-19 25/03/2003 6 . 0 . 0 [get it](#)

## TS 22.242 Digital Rights Management (DRM); Stage 1

Rel-6 *current version:* 6.2.0 *WG (prime / other):* S1 / *rapporteur:* WOOD, Nicholas Openwave Systems (N.I.) Ltd  
*freeze\_meeting:* SP-18 *G:* U: yes *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
draft ex Kobe 29/07/2003 0 . 0 . 0 [get it](#) *remarks - general:* SP-18: Stages 2 & 3 to be done by OMA.  
SP-15 19/03/2002 1 . 0 . 0 SP-020061 [get it](#) *remarks - this release:* .  
SP-16 04/07/2002 2 . 0 . 0 SP-020261 [get it](#)  
SP-16 04/07/2002 6 . 0 . 0 [get it](#)  
SP-17 17/09/2002 6 . 1 . 0 [get it](#)  
SP-19 25/03/2003 6 . 2 . 0 [get it](#)

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

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## TS 22.243 Speech recognition framework for automated voice services; Stage 1

Rel-6 *current version:* 6.3.0 *WG (prime / other):* S1 / *rapporteur:* WILLIAMS, David Hugh QUALCOMM EUROPE S.A.R.L.  
*freeze\_meeting:* SP-22 *G:* yes *U:* yes *MCC:* CLAYTON, Michael

*history (event, available, version,*  
brought forwards 02/01/2002 1 . 0 . 0 [get it](#) *remarks - general:*  
from Rel-5 *remarks - this release:* Delayed from Rel-5.

SP-15 27/03/2002 1 . 2 . 0 S1-020114 [get it](#)  
SP-17 19/09/2002 2 . 0 . 0 SP-020572 [get it](#)  
SP-17 16/09/2002 6 . 0 . 0 [get it](#)  
SP-18 18/12/2002 6 . 1 . 0 [get it](#)  
SP-19 25/03/2003 6 . 2 . 0 [get it](#)  
SP-20 18/06/2003 6 . 3 . 0 [get it](#)

## TS 22.246 Multimedia Broadcast/Multicast Service (MBMS) teleservice requirements

Rel-6 *current version:* none *WG (prime / other):* S1 / *rapporteur:* CURCIO, Igor NOKIA Corporation  
*freeze\_meeting:* *G:* yes *U:* yes *MCC:* CLAYTON, Michael

*history (event, available, version,*  
*remarks - general:* SP-20: WID = SP-030347.  
*remarks - this release:* .

## TS 22.250 IP Multimedia Subsystem (IMS) Group Management; Stage 1

Rel-6 *current version:* 6.0.0 *WG (prime / other):* S1 / *rapporteur:* KALLIOKULJU, Juha NOKIA MOBILE PHONES  
*freeze\_meeting:* SP-22 *G:* *U:* yes *MCC:* CLAYTON, Michael

*history (event, available, version,*  
draft 24/04/2002 0 . 1 . 0 [get it](#) *remarks - general:*  
SP-17 16/09/2002 1 . 0 . 0 SP-020566 [get it](#) *remarks - this release:* .  
SP-18 18/12/2002 2 . 0 . 0 SP-020669 [get it](#)  
SP-18 18/12/2002 6 . 0 . 0 [get it](#)

## TS 22.340 IP Multimedia Subsystem (IMS) messaging; Stage 1

Rel-6 *current version:* 6.1.0 *WG (prime / other):* S1 / *rapporteur:* KALLIOKULJU, Juha NOKIA MOBILE PHONES  
*freeze\_meeting:* SP-22 *G:* *U:* yes *MCC:* CLAYTON, Michael

*history (event, available, version,*  
SP-18 18/12/2002 2 . 0 . 0 SP-020671 [get it](#) *remarks - general:* 2002-10-08: created from 22.940.  
SP-18 18/12/2002 6 . 0 . 0 [get it](#) *remarks - this release:* .  
SP-19 25/03/2003 6 . 1 . 0 [get it](#)

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[http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

<b>TR 22.800</b>	<b>IP Multimedia Subsystem (IMS) subscription and access scenarios</b>							
Rel-6	current version: 1.0.0 freeze_meeting: SP-22	DRAFT	WG (prime / other): S1 / G: U: yes	rapporteur: FRANK, Robert MCC: CLAYTON, Michael	TeliaSonera AB			
	history (event, available, version, S1-18 0 . 0 . 5 S1-022295 SP-18 20/12/2002 0 . 1 . 0 (annex to liaison) SP-19 24/03/2003 1 . 0 . 0 SP-030037					<a href="#">get it</a>	remarks - general: remarks - this release: SP-20: seems difficult to reach agreement; expect it for info at SP-21, simply cleaned up but technically incomplete.	
<b>TR 22.857</b>	<b>Run-time independent framework feasibility study</b>							
Rel-6	current version: 6.0.0 freeze_meeting: SP-22		WG (prime / other): T2 / G: yes U: yes	rapporteur: WOODWARD, Ernest MCC: RODERMUND, Friedhelm	INTEL CORPORATION SARL			
	history (event, available, version, TP-17 30/08/2002 1 . 0 . 0 TP-18 03/12/2002 2 . 0 . 0 TP-020274 TP-18 20/12/2002 6 . 0 . 0					<a href="#">get it</a> <a href="#">get it</a> <a href="#">get it</a>	remarks - general: remarks - this release: .	
<b>TR 22.934</b>	<b>Feasibility study on 3GPP system to Wireless Local Area Network (WLAN) interworking</b>							
Rel-6	current version: 6.1.0 freeze_meeting: SP-18		WG (prime / other): S1 / - G: U: yes	rapporteur: PAINT, Frédéric MCC: CLAYTON, Michael	Telenor AS			
	history (event, available, version, SP-15 19/03/2002 1 . 0 . 0 SP-020059 SP-17 19/09/2002 2 . 0 . 0 SP-020569 SP-17 16/09/2002 6 . 0 . 0 SP-18 18/12/2002 6 . 1 . 0					<a href="#">get it</a> <a href="#">get it</a> <a href="#">get it</a> <a href="#">get it</a>	remarks - general: remarks - this release: SP-18: tentative conclusion is that no specific stage 1 spec required, just CRs to other specs.	
<b>TR 22.940</b>	<b>IP Multimedia Subsystem (IMS) messaging; Stage 1</b>							
Rel-6	current version: 6.0.0 freeze_meeting: SP-22		WG (prime / other): S1 / G: U: yes	rapporteur: KALLIOKULJU, Juha MCC: CLAYTON, Michael	NOKIA MOBILE PHONES			
	history (event, available, version, draft 26/03/2002 0 . 0 . 0 draft 19/07/2002 0 . 1 . 0 unwithdrawn and approved! SP-16 19/07/2002 0 . 2 . 0 SP-17 16/09/2002 1 . 0 . 0 SP-020567 SP-18 18/12/2002 2 . 0 . 0 SP-020670 SP-18 18/12/2002 6 . 0 . 0					<a href="#">get it</a> <a href="#">get it</a> <a href="#">get it</a> <a href="#">get it</a>	remarks - general: 2002-10-08: -> 22.340. This TR to be withdrawn at SP-18. SP-18: No! In fact, remarks - this release: 2002-10-08: -> 22.340. This TR to be withdrawn at SP-18. SP-18: No! In fact, unwithdrawn and approved!	

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<b>TR 22.949</b>	<b>Study on a generalized privacy capability</b>								
Rel-6	<i>current version:</i> 0.1.0	DRAFT	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> GARRAHAN, James	Telcordia Technologies, Inc.				
	<i>freeze_meeting:</i>		<i>G:</i> U: yes	<i>MCC:</i> CLAYTON, Michael					
	<i>history (event, available, version,</i>								
	S1-20 25/06/2003	0 . 1 . 0	S1-030498	<a href="#">get it</a>	<i>remarks - general:</i> Wl: PrivCap.				
					<i>remarks - this release:</i> .				
<b>TR 22.950</b>	<b>Priority service feasibility study</b>								
Rel-6	<i>current version:</i> 6.2.0		<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> GARRAHAN, James	Telcordia Technologies, Inc.				
	<i>freeze_meeting:</i> SP-22		<i>G:</i> yes U: yes	<i>MCC:</i> CLAYTON, Michael					
	<i>history (event, available, version,</i>								
	SP-15 19/03/2002	1 . 0 . 0	SP-020060	<a href="#">get it</a>	<i>remarks - general:</i> Additional rapporteur: B Pramanik (Telcordia). Work item = PRIOR.				
	draft	1 . 1 . 0			<i>remarks - this release:</i> .				
	SP-16 04/07/2002	2 . 0 . 0	SP-020260	<a href="#">get it</a>					
	SP-16 04/07/2002	6 . 0 . 0		<a href="#">get it</a>					
	SP-18 18/12/2002	6 . 1 . 0		<a href="#">get it</a>					
	SP-19 25/03/2003	6 . 2 . 0		<a href="#">get it</a>					
<b>TR 22.951</b>	<b>Service aspects and requirements for network sharing</b>								
Rel-6	<i>current version:</i> 6.1.0		<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> ZARRI, Michele	T-Mobile (UK) Ltd				
	<i>freeze_meeting:</i>		<i>G:</i> yes U: yes	<i>MCC:</i> CLAYTON, Michael					
	<i>history (event, available, version,</i>								
	draft	0 . 0 . 0	S1-020342		<i>remarks - general:</i>				
	SP-17 16/09/2002	1 . 0 . 0	SP-020565	<a href="#">get it</a>	<i>remarks - this release:</i> TP-16: anticipate v1.0.0 at TP-17.				
	SP-18 18/12/2002	2 . 0 . 0	SP-020668	<a href="#">get it</a>					
	SP-18 18/12/2002	6 . 0 . 0		<a href="#">get it</a>					
	SP-19 25/03/2003	6 . 1 . 0		<a href="#">get it</a>					
<b>TR 22.952</b>	<b>Priority service implementation guide</b>								
Rel-6	<i>current version:</i> 1.0.0	DRAFT	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> GARRAHAN, James	Telcordia Technologies, Inc.				
	<i>freeze_meeting:</i>		<i>G:</i> yes U: yes	<i>MCC:</i> CLAYTON, Michael					
	<i>history (event, available, version,</i>								
	SP-21	1 . 0 . 0			<i>remarks - general:</i> Work item = PRIOR.				
					<i>remarks - this release:</i> SP-21: S2: "No stage 2 TS needed."				

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## TR 22.977 Feasibility study for speech-enabled services

Rel-6 *current version:* 6.0.0  
*freeze\_meeting:* SP-22  
*history (event, available, version,*  
S1-14 0 . 0 . 0  
S1-15 0 . 1 . 0  
S1 SES 0 . 2 . 0  
S1 SES 0 . 3 . 0  
SP-16 04/07/2002 1 . 0 . 0 SP-020259  
SP-17 19/09/2002 2 . 0 . 0 SP-020570  
SP-17 16/09/2002 6 . 0 . 0

*WG (prime / other):* S1 / *rapporteur:* ZARRI, Michele  
*G:* yes *U:* yes *MCC:* CLAYTON, Michael

T-Mobile (UK) Ltd

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

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[get it](#)  
[get it](#)

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

## TS 23.002 Network architecture

Rel-6 *current version:* 6.1.0  
*freeze\_meeting:*  
*history (event, available, version,*  
SP-19 27/03/2003 6 . 0 . 0  
correct cover 31/03/2003 6 . 0 . 1  
sheet post SP-19  
SP-20 20/06/2003 6 . 1 . 0

*WG (prime / other):* S2 / - *rapporteur:* SULTAN, Alain  
*G:* yes *U:* yes *MCC:* YOON, Sang-Ui

SOURCE COM

*remarks - general:* Transfer>TSG#4,CR at TSG#5  
*remarks - this release:* .  
[get it](#)  
[get it](#)  
[get it](#)

## TS 23.011 Technical realization of Supplementary Services

Rel-6 *current version:* 6.0.0  
*freeze\_meeting:*  
*history (event, available, version,*  
NP-19 04/04/2003 6 . 0 . 0

*WG (prime / other):* N4 / - *rapporteur:* CONRAD, Alan  
*G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo

T-MOBILE DEUTSCHLAND

*remarks - general:*  
*remarks - this release:* .  
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<b>TS 23.016</b>	<b>Subscriber data management; 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,</i>								
	NP-19 04/04/2003	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> 6.1.0		<i>WG (prime / other):</i> T2 / -		<i>rapporteur:</i> HARRIS, Ian		Research In Motion Limited		
	<i>freeze_meeting:</i> SP-22		G: yes U: yes		<i>MCC:</i> RODERMUND, Friedhelm				
	<i>history (event, available, version,</i>								
	TP-17 18/09/2002	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	post TP-17: adds 24/09/2002	6 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>				
	test vector file								
	TP-20 26/06/2003	6 . 1 . 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> 6.1.0		<i>WG (prime / other):</i> T2 / -		<i>rapporteur:</i> HARRIS, Ian		Research In Motion Limited		
	<i>freeze_meeting:</i> SP-22		G: yes U: yes		<i>MCC:</i> RODERMUND, Friedhelm				
	<i>history (event, available, version,</i>								
	TP-17 18/09/2002	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4			
	TP-19 25/03/2003	6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>				
<hr/>									
<b>TS 23.057</b>	<b>Mobile Execution Environment (MExE); Functional description; Stage 2</b>								
Rel-6	<i>current version:</i> 6.1.0		<i>WG (prime / other):</i> T2 / -		<i>rapporteur:</i> BRENK, Lars		TTPCom Ltd		
	<i>freeze_meeting:</i> SP-22		G: yes U: yes		<i>MCC:</i> RODERMUND, Friedhelm				
	<i>history (event, available, version,</i>								
	TP-16 28/06/2002	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	Apr-2001: " Station Application" removed from title.			
	TP-17 18/09/2002	6 . 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-6	<i>current version:</i> 6.1.0		<i>WG (prime / other):</i> S2 / -		<i>rapporteur:</i> ZHAO, Yilin		MOTOROLA Ltd		
	<i>freeze_meeting:</i>		G: yes U: yes		<i>MCC:</i> YOON, Sang-Ui				
	<i>history (event, available, version,</i>								
	SP-19 27/03/2003	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4			
	SP-20 20/06/2003	6 . 1 . 0		<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-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,</i>								
	NP-19 04/04/2003 6 . 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-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,</i>								
	NP-19 04/04/2003 6 . 0 . 0								
		<a href="#">get it</a>	<i>remarks - general:</i>						
			<i>remarks - this release:</i> .						
<hr/>									
<b>TS 23.127</b>	<b>Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2</b>								
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> GOURRAUD,	ERICSSON RESEARCH CANADA					
	<i>freeze_meeting:</i> SP-22	G: U: yes	<i>MCC:</i> YOON, Sang-Ui						
	<i>history (event, available, version,</i>								
	SP-18 10/01/2003 6 . 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: 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	<i>current version:</i> 6.2.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> LAUMEN, Josef	SIEMENS AG					
	<i>freeze_meeting:</i> SP-22	G: yes U: yes	<i>MCC:</i> RODERMUND, Friedhelm						
	<i>history (event, available, version,</i>								
	TP-18 20/12/2002 6 . 0 . 0								
	TP-19 31/03/2003 6 . 1 . 0								
	TP-20 26/06/2003 6 . 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>							

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**TS 23.141 Presence service; Architecture and functional description; Stage 2**

Rel-6 *current version:* 6.3.0 *WG (prime / other):* S2 / *rapporteur:* MAANSAARI, Kirsi NOKIA KOREA  
*freeze\_meeting:* SP-22 *G:* U: yes *MCC:* YOON, Sang-Ui  
*history (event, available, version,*  
draft 17/06/2002 0 . 0 . 0 [get it](#) *remarks - general:*  
SP-17 04/10/2002 1 . 0 . 0 SP-020538 for approval [get it](#) *remarks - this release:* .  
SP-17 07/10/2002 6 . 0 . 0 Many editorial corrections needed [get it](#)  
before fit for SDO publication.  
SP-18 10/01/2003 6 . 1 . 0 [get it](#)  
SP-19 27/03/2003 6 . 2 . 0 [get it](#)  
SP-20 20/06/2003 6 . 3 . 0 [get it](#)

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**TS 23.174 Push service; stage 2**

Rel-6 *current version:* none *WG (prime / other):* S2 / *rapporteur:* WOLAK, Stephen VODAFONE Group Plc  
*freeze\_meeting:* SP-22 *G:* U: yes *MCC:* YOON, Sang-Ui  
*history (event, available, version,*  
*case ...".*  
*remarks - general:* Rapporteur: "note that there are currently no plans for a Push stage 2 but it is  
*remarks - this release:* SP-17: Rel-5 -> Rel-6 to accord with stage 1. good to reserve the number just in

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**TS 23.209 Policy control over Gq interface**

Rel-6 *current version:* none *WG (prime / other):* N3 / *rapporteur:* SILLANPÄÄ, Anna NOKIA Corporation  
*freeze\_meeting:* *G:* U: yes *MCC:* BOSWARTHICK, David  
*history (event, available, version,*  
*remarks - general:* WI = IMS Phase 2 (UID 32021)  
*remarks - this release:* .

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**TS 23.221 Architectural requirements**

Rel-6 *current version:* 6.0.0 *WG (prime / other):* S2 / - *rapporteur:* DANIEL, Elizabeth Lucent Technologies Network Systems UK  
*freeze\_meeting:* *G:* yes U: yes *MCC:* YOON, Sang-Ui  
*history (event, available, version,*  
SP-19 27/03/2003 6 . 0 . 0 [get it](#) *remarks - general:* Derived from R99-specific 23.121  
*remarks - this release:* .

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<b>TS 23.228</b>	<b>IP Multimedia Subsystem (IMS); Stage 2</b>									
Rel-6	current version: 6.2.0			WG (prime / other): S2 / -	rapporteur: TOWLE, Thomas	Lucent Technologies				
	freeze_meeting: SP-22			G: yes U: yes	MCC: YOON, Sang-Ui					
	history (event, available, version,									
	SP-18 07/01/2003	6	. 0	. 0	<a href="#">get it</a>	remarks - general:				
edito post	SP-18 07/01/2003	6	. 0	. 1	<a href="#">get it</a>	remarks - this release:	SP-21: Envisage modifications to cater for PoC feature.			
	SP-19 27/03/2003	6	. 1	. 0	<a href="#">get it</a>					
	SP-20 23/06/2003	6	. 2	. 0	<a href="#">get it</a>					
<b>TS 23.234</b>	<b>3GPP system to Wireless Local Area Network (WLAN) interworking; Functional and architectural definition</b>									
Rel-6	current version: 2.0.0			DRAFT	WG (prime / other): S2 / -	rapporteur: YOON, Sang-Ui	KT Freetel Co., Ltd.			
	freeze_meeting: SP-22				G: U: yes	MCC: YOON, Sang-Ui				
	history (event, available, version,									
	conversion from	0	. 1	. 0		remarks - general:				
	23.934 v0.5.0					remarks - this release:	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 04/10/2002	1	. 0	. 0	<a href="#">get it</a>					
	draft 06/01/2003	1	. 2	. 1	<a href="#">get it</a>					
	draft 08/01/2003	1	. 3	. 0	<a href="#">get it</a>					
	SP-19 24/03/2003	1	. 6	. 0	<a href="#">get it</a>					
	S2-31	1	. 7	. 0						
	draft 25/04/2003	1	. 8	. 0	<a href="#">get it</a>					
	SP-20 17/06/2003	1	. 10	. 0	<a href="#">get it</a>					
	SP-21	2	. 0	. 0						
<b>TS 23.240</b>	<b>3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)</b>									
Rel-6	current version: 6.0.0				WG (prime / other): S2 /	rapporteur: UZQUIANO, Nacho	TELEFONICA DE ESPAÑA SA			
	freeze_meeting:				G: U: yes	MCC: YOON, Sang-Ui				
	history (event, available, version,									
	SP-19 24/03/2003	1	. 0	. 0	<a href="#">get it</a>	remarks - general:	Cf work item 'Generic user profile'			
	S2-31 22/04/2003	1	. 1	. 0	<a href="#">get it</a>	remarks - this release:	SP-19: moved from Rel-5			
	S2-32 26/05/2003	1	. 2	. 0	<a href="#">get it</a>					
	SP-20 26/05/2003	2	. 0	. 0	<a href="#">get it</a>					
	SP-20 20/06/2003	6	. 0	. 0	<a href="#">get it</a>					

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## TS 23.241 3GPP Generic User Profile (GUP) ; Stage 2; Data description method

Rel-6 *current version:* 0.4.3 DRAFT *WG (prime / other):* T2 / *rapporteur:* BISCHINGER, Kurt T-Mobile AUSTRIA GmbH  
*freeze\_meeting:* SP-22 *G:* *U:* yes *MCC:* RODERMUND, Friedhelm

*history (event, available, version,*

draft	28/05/2002	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	12/09/2003	0 . 4 . 3	<a href="#">get it</a>	

---

## TS 23.246 Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description (Stage 2)

Rel-6 *current version:* 2.0.0 DRAFT *WG (prime / other):* S2 / *rapporteur:* JARVIS, Andre 3  
*freeze\_meeting:* SP-22 *G:* *U:* yes *MCC:* YOON, Sang-Ui

*history (event, available, version,*

draft		0 . 0 . 0		<i>remarks - general:</i> Note that stage 1 is 22.146. Meanwhile, stage 2 scenarios are worked on in
S2-27	14/11/2002	0 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> SP-15: from Rel-5.
S2-28		0 . 2 . 0		
add TS number	18/12/2002	0 . 2 . 1	<a href="#">get it</a>	
S2-29	24/02/2003	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	29/04/2003	0 . 5 . 0	<a href="#">get it</a>	
SP-20	17/06/2003	1 . 0 . 0	<a href="#">get it</a>	SP-030312
S2-33	17/07/2003	1 . 1 . 0	<a href="#">get it</a>	
SP-21		2 . 0 . 0		

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

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

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

Rel-6 *current version:* 6.4.0 *freeze\_meeting:* SP-22  
*history (event, available, version,*  
SP-16 18/06/2002 6 . 0 . 0  
SP-17 02/10/2002 6 . 1 . 0  
SP-18 09/01/2003 6 . 2 . 0  
SP-19 27/03/2003 6 . 3 . 0  
SP-20 23/06/2003 6 . 4 . 0

*WG (prime / other):* S2 / - *rapporteur:* KÅLL, Jan NOKIA Corporation  
*G:* yes *U:* yes *MCC:* YOON, Sang-Ui

[get it](#) *remarks - general:* post-TSG#8: Recombined 2G and 3G spec for R00 onwards.  
[get it](#) *remarks - this release:* Continues 23.871  
[get it](#)  
[get it](#)

## TR 23.825 Overall architecture aspects of IP flow based bearer level charging; Stage 2

Rel-6 *current version:* 1.0.0 DRAFT  
*freeze\_meeting:*  
*history (event, available, version,*  
draft 0 . 1 . 0  
S2-29 0 . 2 . 0  
S2-30 08/04/2003 0 . 3 . 0  
S2-31 17/07/2003 0 . 4 . 0  
draft 0 . 4 . 1  
S2-32 02/06/2003 0 . 5 . 0  
S2-33 0 . 6 . 0  
draft 24/07/2003 0 . 6 . 1  
S2-34 01/09/2003 0 . 7 . 0  
SP-21 11/09/2003 1 . 0 . 0

*WG (prime / other):* S2 / - *rapporteur:* WILLIAMS, Brian Telefon AB LM Ericsson  
*G:* *U:* yes *MCC:* YOON, Sang-Ui

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

## TR 23.835 Study into applicability of Galileo in Location Services (LCS)

Rel-6 *current version:* 1.0.0 DRAFT  
*freeze\_meeting:*  
*history (event, available, version,*  
S2-30 0 . 0 . 0  
S2-31 14/04/2003 0 . 0 . 1 S2-031153  
S2-31 0 . 0 . 2  
S2-31 0 . 1 . 0  
S2-31 0 . 2 . 0  
SP-20 28/05/2003 1 . 0 . 0 SP-030311

*WG (prime / other):* S2 / - *rapporteur:* DAMIDAUX, Jean-louis ALCATEL S.A.  
*G:* *U:* yes *MCC:* YOON, Sang-Ui

*remarks - general:* WID contained in S2-022472. See also  
*remarks - this release:* . [http://www.esa.int/export/esaSA/GGGMX650NDC\\_navigation\\_0.html](http://www.esa.int/export/esaSA/GGGMX650NDC_navigation_0.html).  
[get it](#)  
[get it](#)

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

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<b>TR 23.841</b>	<b>Presence service architecture</b>					
Rel-6	current version: 6.0.0					
	freeze_meeting: SP-22					
	history (event, available, version,					
	SP-16 22/07/2002 2 . 0 . 0	SP-020319	<a href="#">get it</a>	remarks - general:		
	SP-16 25/07/2002 6 . 0 . 0		<a href="#">get it</a>	remarks - this release: TP-16: clear that service is Rel-6.		
<hr/>						
<b>TR 23.846</b>	<b>Multimedia Broadcast/Multicast Service (MBMS); Stage 2</b>					
Rel-6	current version: 6.1.0					
	freeze_meeting: SP-22					
	history (event, available, version,					
	draft 12/04/2002 0 . 3 . 0		<a href="#">get it</a>	remarks - general: This is a preparatory report which may result in the creation of a stage 2 TS		
	S2-24 0 . 4 . 0			remarks - this release: SP-15: To be a Rel-6 service, not Rel-5.		
	post S2-24 22/05/2002 0 . 5 . 0		<a href="#">get it</a>			
	draft 28/05/2002 0 . 5 . 1		<a href="#">get it</a>			
	SP-16 04/07/2002 1 . 0 . 0	SP-020361	<a href="#">get it</a>			
	draft 19/07/2002 1 . 1 . 0		<a href="#">get it</a>			
	draft 22/07/2002 1 . 1 . 1		<a href="#">get it</a>			
	draft 16/09/2002 1 . 2 . 0		<a href="#">get it</a>			
	SP-17 24/09/2002 2 . 0 . 0	SP-020535	<a href="#">get it</a>			
	SP-17 03/10/2002 6 . 0 . 0		<a href="#">get it</a>			
	SP-18 13/01/2003 6 . 1 . 0		<a href="#">get it</a>			
<hr/>						
<b>TS 23.851</b>	<b>Network sharing; Architecture and functional description</b>					
Rel-6	current version: 0.5.0	DRAFT				
	freeze_meeting:					
	history (event, available, version,					
	draft 0 . 0 . 0			remarks - general:		
	draft 0 . 1 . 0			remarks - this release: .		
	S2-32 02/05/2003 0 . 2 . 0	S2-031973	<a href="#">get it</a>			
	S2-33 19/08/2003 0 . 4 . 0		<a href="#">get it</a>			
	S2-33 19/08/2003 0 . 4 . 1		<a href="#">get it</a>			
	draft 29/08/2003 0 . 5 . 0		<a href="#">get it</a>			

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

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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,							
	S2-29	03/02/2003	0 . 3 . 1	2003-02-03: Renumbered to 23.864.	<a href="#">get it</a>	remarks - general:	Was briefly 23.964.	
	draft	24/02/2003	0 . 4 . 0		<a href="#">get it</a>	remarks - this release:	.	
	draft	24/02/2003	0 . 4 . 1		<a href="#">get it</a>			
	draft	24/03/2003	0 . 5 . 0		<a href="#">get it</a>			
	S2-31	22/04/2003	0 . 6 . 0	inc S2-031533	<a href="#">get it</a>			
<b>TR 23.867</b>	<b>Internet Protocol (IP) based IP Multimedia Subsystem (IMS) emergency sessions</b>							
Rel-6	current version: 0.4.0	DRAFT	WG (prime / other): S2 / -	rapporteur: POIKSELKA, Miikka		NOKIA Corporation		
	freeze_meeting:		G: U: yes	MCC: YOON, Sang-Ui				
	history (event, available, version,							
	post S2-30	02/04/2003	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	
	draft	17/04/2003	0 . 1 . 0		<a href="#">get it</a>	remarks - this release:	. and 23.228.	
	post S2-32	17/06/2003	0 . 2 . 0		<a href="#">get it</a>			
	post S2-33	15/07/2003	0 . 3 . 0		<a href="#">get it</a>			
	S2-34	04/09/2003	0 . 4 . 0		<a href="#">get it</a>			
<b>TR 23.877</b>	<b>Architectural aspects of speech-enabled services</b>							
Rel-6	current version: 0.0.0	DRAFT	WG (prime / other): S2 / -	rapporteur: N, A		Indicate persons who left Company and wait for new One		
	freeze_meeting:		G: U: yes	MCC: YOON, Sang-Ui				
	history (event, available, version,							
	S2-34	21/08/2003	0 . 0 . 0	S2-033088	<a href="#">get it</a>	remarks - general:	WID = SP-030305.	
						remarks - this release:	.	

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## TR 23.895 Provision of UE specific behaviour information to network entities

Rel-6 *current version:* 6.2.0 *WG (prime / other):* S2 / *rapporteur:* PUDNEY, Chris VODAFONE Group Plc  
*freeze\_meeting:* SP-22 *G:* *U:* yes *MCC:* YOON, Sang-Ui  
*history (event, available, version,*  
draft 0 . 4 . 0 *remarks - general:*  
SP-18 10/01/2003 1 . 0 . 0 SP-020797 for approval [get it](#) *remarks - this release:* .  
SP-18 13/01/2003 6 . 0 . 0 Anticipate CR next mtg to clarify that [get it](#)  
this is not a loophole to allow untested  
UEs to be placed on the market.  
SP-19 27/03/2003 6 . 1 . 0 [get it](#)  
SP-20 20/06/2003 6 . 2 . 0 [get it](#)

## TR 23.917 Dynamic policy control enhancements for End to end Quality of Service (QoS); Feasibility study

Rel-6 *current version:* 1.0.0 DRAFT *WG (prime / other):* S2 / - *rapporteur:* MOUSSET, Claire NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* SP-18 *G:* yes *U:* yes *MCC:* YOON, Sang-Ui  
*history (event, available, version,*  
draft 07/08/2002 0 . 0 . 0 [get it](#) *remarks - general:* Work Item: SP-020140  
draft 24/09/2002 0 . 1 . 0 [get it](#) *remarks - this release:* .  
draft 24/09/2002 0 . 2 . 0 [get it](#)  
draft 14/11/2002 0 . 3 . 0 [get it](#)  
draft 14/11/2002 0 . 3 . 1 [get it](#)  
S2-28 16/12/2002 0 . 4 . 0 [get it](#)  
draft 16/12/2002 0 . 4 . 1 [get it](#)  
S2-29 13/02/2003 0 . 5 . 0 [get it](#)  
S2-29 13/02/2003 0 . 5 . 1 [get it](#)  
S2-30 29/04/2003 0 . 6 . 0 [get it](#)  
S2-31 22/04/2003 0 . 7 . 0 includes S2-031354, S2-031534, [get it](#)  
S2-031598  
S2-33 24/07/2003 0 . 9 . 0 [get it](#)  
S2-34 02/09/2003 0 . 10 . 0 [get it](#)  
SP-21 11/09/2003 1 . 0 . 0 [get it](#)

## TR 23.934 3GPP system to Wireless Local Area Network (WLAN) interworking; Functional and architectural definition

Rel-6 *current version:* 1.0.0 DRAFT *WG (prime / other):* S2 / - *rapporteur:* PAINT, Frédéric Telenor AS  
*freeze\_meeting:* SP-18 *G:* *U:* yes *MCC:* YOON, Sang-Ui  
*history (event, available, version,*  
S2-24 07/05/2002 0 . 1 . 0 [get it](#) *remarks - general:*  
SP-17 24/09/2002 1 . 0 . 0 SP-020536 [get it](#) *remarks - this release:* 2002-05-02: anticipate v1.0.0 in Sept 2002, 2.0.0 in Dec 2002.

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

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<b>TR 23.976</b>	<b>Push architecture</b>								
Rel-6	current version: 0.5.0		DRAFT	WG (prime / other): S2 / -	rapporteur: ALFANO, Nicholas	Research In Motion Limited			
	freeze_meeting:			G: U: yes	MCC: YOON, Sang-Ui				
	history (event, available, version,								
	S2-29	0 . 0 . 0			remarks - general:	2003-02-04: 23.876 -> 23.976			
	S2-29 03/02/2003	0 . 0 . 1		<a href="#">get it</a>	remarks - this release:	.			
	draft 24/02/2003	0 . 1 . 0		<a href="#">get it</a>					
	draft 24/03/2003	0 . 2 . 0		<a href="#">get it</a>					
	S2-31 05/05/2003	0 . 3 . 0		<a href="#">get it</a>					
	S2-32 27/05/2003	0 . 4 . 0		<a href="#">get it</a>					
	S2-33 30/07/2003	0 . 5 . 0		<a href="#">get it</a>					

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<b>TR 23.977</b>	<b>Bandwidth and resource savings and speech enhancements for Circuit Switched (CS) networks</b>								
Rel-6	current version: 0.1.1		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,								
	draft	0 . 0 . 0			remarks - general:	Work Item: Bandwidth and Resource savings and Speech enhancements for CS			
	draft 30/07/2003	0 . 1 . 0	Bears wrong number on cover sheet.	<a href="#">get it</a>	remarks - this release:	. networks (S2-032137)			
	draft 30/07/2003	0 . 1 . 1	Corrects number on cover page!	<a href="#">get it</a>					

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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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<b>TS 24.008</b>	<b>Mobile radio interface Layer 3 specification; Core network protocols; Stage 3</b>								
Rel-6	current version: 6.1.0			WG (prime / other): N1 / -	rapporteur: HOWELL, Andrew	MOTOROLA Ltd			
	freeze_meeting:			G: yes U: yes	MCC: JORGENSEN, Per Johan				
	history (event, available, version,								
	NP-19 24/03/2003	6 . 0 . 0		<a href="#">get it</a>	remarks - general:	CR correction produced 3.0.1, CR at TSG#5. Outstanding issues not expected to			
	NP-20 04/07/2003	6 . 1 . 0		<a href="#">get it</a>	remarks - this release:	. be resolved till Jun00.			

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



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Server ACTIVE specs Rel-6 24 .- series  
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**TS 24.088 Call Barring (CB) Supplementary Service; Stage 3**

Rel-6 *current version:* 6.0.0

*freeze\_meeting:*

*history (event, available, version,*

NP-19 04/04/2003 6 . 0 . 0

*WG (prime / other):* N4 / -

*G:* yes *U:* yes

*rapporteur:* WIEHE, Ulrich

*MCC:* KYMALAINEN, Kimmo

Gesellschaft für Kommunikations Software

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

---

**TS 24.141 Presence service using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3**

Rel-6 *current version:* 0.1.0

DRAFT

*WG (prime / other):* N1 /

*G:* yes *U:* yes

*rapporteur:* DRAGE, Keith

*MCC:* JORGENSEN, Per Johan

Lucent Technologies Network Systems UK

*freeze\_meeting:*

*history (event, available, version,*

draft 0 . 0 . 1

draft 0 . 0 . 2

N1-31 0 . 0 . 3

N1-31 11/09/2003 0 . 1 . 0

*remarks - general:* WI = PRSNC (UID 2499)  
*remarks - this release:* .

[get it](#)

---

**TS 24.147 Conferencing using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3**

Rel-6 *current version:* 0.1.0

DRAFT

*WG (prime / other):* N1 /

*G:* *U:* yes

*rapporteur:* MAYER, Georg

*MCC:* JORGENSEN, Per Johan

NOKIA Corporation

*freeze\_meeting:*

*history (event, available, version,*

draft 0 . 0 . 1

draft 0 . 0 . 2

draft 30/06/2003 0 . 0 . 3

draft 30/06/2003 0 . 0 . 4

draft 10/07/2003 0 . 0 . 5

draft 0 . 1 . 0

technically identical to v003 but has the  
number on the front cover

*remarks - general:* 2003-06: WID is NP-030286 = IMS-CCR-E  
*remarks - this release:* .

[get it](#)

[get it](#)

[get it](#)

---

**TS 24.234 3GPP system to Wireless Local Area Network (WLAN) interworking; User Equipment (UE) to network protocols**

Rel-6 *current version:* none

*WG (prime / other):* N1 / -

*G:* *U:* yes

*rapporteur:* CARRIÓN, Inmaculada

*MCC:* JORGENSEN, Per Johan

NOKIA Corporation

*freeze\_meeting:*

*history (event, available, version,*

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

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

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**TS 24.241 3GPP Generic User Profile (GUP) requirements; Stage 3; Access; Common objects**  
Rel-6 *current version:* 0.4.3 DRAFT *WG (prime / other):* T2 / *rapporteur:* HOLOUBEK, Kevin J. Motorola Inc.  
*freeze\_meeting:* SP-22 *G:* *U:* yes *MCC:* RODERMUND, Friedhelm  
*history (event, available, version,*  
draft 28/05/2002 0 . 3 . 0 [get it](#) *remarks - general:* Cf work item 'Generic user profile' - may be renumbered to 27.241  
draft 12/09/2003 0 . 4 . 3 [get it](#) *remarks - this release:* 2002-05-29 (jmm): Since stage 2 is moved to Rel-6, so should the stage 3 be.

---

**TS 24.247 Messaging using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3**  
Rel-6 *current version:* 0.0.0 DRAFT *WG (prime / other):* N1 / *rapporteur:* MAYER, Georg NOKIA Corporation  
*freeze\_meeting:* *G:* *U:* yes *MCC:* JORGENSEN, Per Johan  
*history (event, available, version,*  
draft 19/08/2003 0 . 0 . 0 [get it](#) *remarks - general:* 2003-06: WID is NP-030286 = IMS-CCR-E  
*remarks - this release:* .

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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:* 1.0.0 DRAFT *WG (prime / other):* N1 / *rapporteur:* DRAGE, Keith Lucent Technologies Network Systems UK  
*freeze\_meeting:* NP-19 *G:* yes *U:* yes *MCC:* JORGENSEN, Per Johan  
*history (event, available, version,*  
draft 0 . 0 . 0 *remarks - general:*  
N1-25 0 . 0 . 1 *remarks - this release:* .  
N1-26 17/09/2002 0 . 1 . 0 [get it](#)  
N1-26 03/10/2002 0 . 2 . 0 [get it](#)  
N1-26bis 14/11/2002 0 . 3 . 0 [get it](#)  
N1-27 17/01/2003 0 . 4 . 0 N1-030010 [get it](#)  
N1-28 04/03/2003 0 . 5 . 0 [get it](#)  
N1-29 06/05/2003 0 . 6 . 0 [get it](#)  
NP-20 02/06/2003 1 . 0 . 0 NP-030303 [get it](#)

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

Rel-6 *current version:* 6.1.0 *freeze\_meeting:* SP-22  
*history (event, available, version,*  
RP-19 04/04/2003 6 . 0 . 0  
RP-20 27/06/2003 6 . 1 . 0

*WG (prime / other):* R4 / - *rapporteur:* FERNANDES, Edgar MOTOROLA Ltd  
*G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* RP-16 agreed not to implement the CR creating this Release.

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

Rel-6 *current version:* 6.2.0 *freeze\_meeting:* SP-22  
*history (event, available, version,*  
RP-18 10/01/2003 6 . 0 . 0 Early ETSI publication because  
referenced in SCP publications.  
RP-19 04/04/2003 6 . 1 . 0  
RP-20 27/06/2003 6 . 2 . 0

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

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

---

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

Rel-6 *current version:* 6.2.0 *freeze\_meeting:* SP-22  
*history (event, available, version,*  
RP-18 10/01/2003 6 . 0 . 0  
RP-19 04/04/2003 6 . 1 . 0  
RP-20 01/07/2003 6 . 2 . 0

*WG (prime / other):* R4 / - *rapporteur:* GUERRINI, Claudio TELECOM ITALIA S.p.A.  
*G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

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

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

Rel-6 *current version:* 6.2.0 *freeze\_meeting:* SP-22  
*history (event, available, version,*  
RP-18 10/01/2003 6 . 0 . 0 Early ETSI publication because  
referenced in SCP publications.  
RP-19 04/04/2003 6 . 1 . 0  
RP-20 27/06/2003 6 . 2 . 0

*WG (prime / other):* R4 / - *rapporteur:* NAKAMURA, Takaharu Fujitsu Limited  
*G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

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

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

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<b>TS 25.346</b>	<b>Introduction of Multimedia Broadcast/Multicast Service (MBMS) in the Radio Access Network (RAN)</b>						
Rel-6	<i>current version:</i> 2.1.0	DRAFT	<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> PIRSKANEN, Juho		NOKIA Corporation	
	<i>freeze_meeting:</i> SP-22		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> ARZELIER, Claude		
	<i>history (event, available, version,</i>						
	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	14/10/2002	1 . 1 . 0	R2-030006				<a href="#">get it</a>
hoc							
draft	23/01/2003	1 . 2 . 0					<a href="#">get it</a>
draft	03/02/2003	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	21/05/2003	1 . 6 . 0	R2-030882				<a href="#">get it</a>
hoc							
RP-20	02/06/2003	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				
RP-21	19/08/2003	2 . 1 . 0	cleaned up draft from MCC				<a href="#">get it</a>
<b>TS 25.401</b>	<b>UTRAN overall description</b>						
Rel-6	<i>current version:</i> 6.1.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> CALMEL, Jean-Marie		NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i>		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> KRAUSE, Joern		
	<i>history (event, available, version,</i>						
	RP-19	26/03/2003	6 . 0 . 0				<i>remarks - general:</i> Approval at TSG#5
	RP-20	17/06/2003	6 . 1 . 0				<i>remarks - this release:</i> .
<b>TS 25.450</b>	<b>UTRAN lupc interface general aspects and principles</b>						
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> R3 /	<i>rapporteur:</i> LIN, le-Hong		Qualcomm Inc	
	<i>freeze_meeting:</i>		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> KRAUSE, Joern		
	<i>history (event, available, version,</i>						
	RP-19	26/03/2003	6 . 0 . 0				<i>remarks - general:</i>
							<i>remarks - this release:</i> .

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<b>TS 25.452</b>	<b>UTRAN IuCS interface: signalling transport</b>								
Rel-6	<i>current version:</i> 6.0.0			<i>WG (prime / other):</i> R3 /	<i>rapporteur:</i> LIN, Ie-Hong	Qualcomm Inc			
	<i>freeze_meeting:</i>			G: U: yes	<i>MCC:</i> KRAUSE, Joern				
	<i>history (event, available, version,</i>								
	RP-19 26/03/2003	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 IuCS interface Positioning Calculation Application Part (PCAP) signalling</b>								
Rel-6	<i>current version:</i> 6.1.0			<i>WG (prime / other):</i> R3 /	<i>rapporteur:</i> LIN, Ie-Hong	Qualcomm Inc			
	<i>freeze_meeting:</i>			G: U: yes	<i>MCC:</i> KRAUSE, Joern				
	<i>history (event, available, version,</i>								
	RP-19 26/03/2003	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	RP-20 17/06/2003	6 . 1 . 0		<a href="#">get it</a>	<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> Resource Management (RRM)	1.0.0		DRAFT	<i>WG (prime / other):</i> R3	/-	<i>rapporteur:</i> MILLER, James		
	INTERDIGITAL COMMUNICATIONS								
	<i>freeze_meeting:</i>			G: U: yes	<i>MCC:</i> KRAUSE, Joern				
	<i>history (event, available, version,</i>								
	RP-20 17/06/2003	1 . 0 . 0	RP-030342	<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i> .				
<hr/>									
<b>TR 25.803</b>	<b>S-CCPCH performance for MBMS</b>								
Rel-6	<i>current version:</i> 0.1.0		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,</i>								
	R1-33	0 . 0 . 1							
	R1-33 11/09/2003	0 . 0 . 2		<a href="#">get it</a>	<i>remarks - general:</i>				
	post R1-33 13/09/2003	0 . 1 . 0	R1-030950	<a href="#">get it</a>	<i>remarks - this release:</i> 2003-06-25: anticipate approval at RP-22.				
<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			
	<i>freeze_meeting:</i>			G: U: yes	<i>MCC:</i> SASAKI, Tsukasa				
	<i>history (event, available, version,</i>								
	R1-33 05/09/2003	0 . 0 . 1	R1-030940	<a href="#">get it</a>	<i>remarks - general:</i> 2003-09-04: anticipated approval at RP-223. WI = RInImp-FSUpEnhTDD.				
					<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: none freeze_meeting: history (event, available, version,	WG (prime / other): R4 / G: U: yes	rporteur: NAKAMURA, Takehiro NTT DoCoMo Inc. MCC: GUTIERREZ MIGUELEZ, Cesar	remarks - general: WI = RlnImp-UMTS800 (UID 24009) remarks - this release: .
<b>TR 25.806</b>	<b>UMTS 1700/2100MHz and UMTS 850MHz Work Items</b>	Rel-6	current version: none freeze_meeting: history (event, available, version,	WG (prime / other): R4 / G: U: yes	rporteur: NUMMINEN, Jussi NOKIA Corporation MCC: GUTIERREZ MIGUELEZ, Cesar	remarks - general: WI = RlnImp-UMTS850 (UID 24007) & RlnImp-UMTS1721 (UID 24010) remarks - this release: .
<b>TR 25.852</b>	<b>lu enhancements for IMS support in UTRAN</b>	Rel-6	current version: 0.0.0 DRAFT freeze_meeting: history (event, available, version, RP-11 06/04/2001 0 . 0 . 0 Inherited from Rel-4.	WG (prime / other): R3 / G: U: yes	rporteur: DIESEN, Michael MOTOROLA Ltd MCC: KRAUSE, Joern	<a href="#">get it</a> remarks - general: 2003-09-08: Title changed from "Radio access bearer support enhancements for remarks - this release: . the lu".
<b>TR 25.869</b>	<b>Transmitter diversity solutions for multiple antennas</b>	Rel-6	current version: 1.0.2 DRAFT freeze_meeting: history (event, available, version, RP-15 19/03/2002 1 . 0 . 2 RP-020130 - RP-20: to Rel-6	WG (prime / other): R1 / - G: U: yes	rporteur: KIM, Sung-Jin Samsung Electronics Ind. Co., Ltd. MCC: SASAKI, Tsukasa	<a href="#">get it</a> remarks - general: remarks - this release: .
<b>TR 25.887</b>	<b>Beamforming</b>	Rel-6	current version: none freeze_meeting: SP-22 history (event, available, version,	WG (prime / other): R1 / - G: U: yes	rporteur: KAHTAVA, Jussi Nokia Japan Co, Ltd MCC: SASAKI, Tsukasa	remarks - general: remarks - this release: .

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**TR 25.888 Improvement of inter frequency and inter system measurement for 1.28 Mcps TDD**

Rel-6 *current version:* 1.1.0 DRAFT *WG (prime / other):* R1 / - *rapporteur:* LI, Xiaoqiang SAMSUNG Electronics Research Institute  
*freeze\_meeting:* SP-22 *G:* *U:* yes *MCC:* SASAKI, Tsukasa  
*history (event, available, version,*  
RP-18 06/01/2003 1 . 1 . 0 RP-020815 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TR 25.889 Feasibility study considering the viable deployment of UTRA in additional and diverse spectrum arrangements**

Rel-6 *current version:* 6.0.0 *WG (prime / other):* R4 / - *rapporteur:* STAHLFJALL, Peter Telefon AB LM Ericsson  
*freeze\_meeting:* SP-22 *G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar  
*history (event, available, version,*  
RP-16 26/06/2002 1 . 0 . 0 RP-020354 [get it](#) *remarks - general:*  
RP-17 24/09/2002 1 . 1 . 0 RP-020657 [get it](#) *remarks - this release:* .  
RP-18 06/01/2003 1 . 2 . 1 RP-020690 [get it](#)  
R4-26 1 . 3 . 0  
R4-27 1 . 4 . 0  
RP-20 17/06/2003 2 . 0 . 0 RP-030343 [get it](#)  
RP-20 01/07/2003 6 . 0 . 0 [get it](#)

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**TR 25.891 Improvement of Radio Resource Management (RRM) across RNS and RNS/BSS post-Rel-5**

Rel-6 *current version:* 0.3.0 DRAFT *WG (prime / other):* R3 / - *rapporteur:* HWANG, Woonhee NOKIA Corporation  
*freeze\_meeting:* SP-22 *G:* *U:* yes *MCC:* KRAUSE, Joern  
*history (event, available, version,*  
R3-31 0 . 0 . 1 *remarks - general:*  
R3-31 0 . 1 . 0 *remarks - this release:* .  
draft 11/10/2002 0 . 1 . 1 [get it](#)  
draft 24/01/2003 0 . 2 . 1 [get it](#)  
draft 18/06/2003 0 . 3 . 0 [get it](#)

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<b>TR 25.892</b>	<b>Feasibility study for Orthogonal Frequency Division Multiplexing (OFDM) for UTRAN enhancement</b>						
Rel-6	<i>current version:</i> 0.3.1	DRAFT	<i>WG (prime / other):</i> R1 /	<i>rapporteur:</i> BOUMENDIL, Sarah		NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> RP-19		<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa			
	<i>history (event, available, version,</i>						
	R1-27	0 . 0 . 1					<i>remarks - general:</i>
	R1-29	0 . 0 . 2					<i>remarks - this release:</i> .
	R1-33	0 . 0 . 3					
	R1-31	0 . 1 . 0					
	R1-31	0 . 1 . 1					
	R1-31	0 . 1 . 2					
	R1-31 31/03/2003	0 . 2 . 0		<a href="#">get it</a>			
	R1-33	0 . 3 . 0					
	R1-33 05/09/2003	0 . 3 . 1		<a href="#">get it</a>			
<b>TR 25.893</b>	<b>Radio access bearer scenarios</b>						
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> MIKOLA, Juha		NOKIA Corporation	
	<i>freeze_meeting:</i>		<i>G:</i> U: yes	<i>MCC:</i> ARZELIER, Claude			
	<i>history (event, available, version,</i>						
							<i>remarks - general:</i> 2003-05-26: to be stopped.
							<i>remarks - this release:</i> 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.
<b>TR 25.894</b>	<b>Enhanced UE positioning using software blanking</b>						
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> BARTLETT, David		Cambridge Positioning Systems Limited	
	<i>freeze_meeting:</i> SP-22		<i>G:</i> U: yes	<i>MCC:</i> ARZELIER, Claude			
	<i>history (event, available, version,</i>						
							<i>remarks - general:</i>
							<i>remarks - this release:</i> .
<b>TR 25.895</b>	<b>Analysis of higher chip rates for UTRA TDD evolution</b>						
Rel-6	<i>current version:</i> 1.2.0	DRAFT	<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> BEALE, Martin		IPWireless Inc.	
	<i>freeze_meeting:</i> SP-22		<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa			
	<i>history (event, available, version,</i>						
	RP-19 24/03/2003	1 . 0 . 0		<a href="#">get it</a>			<i>remarks - general:</i>
	R1-31 09/09/2003	1 . 2 . 0		<a href="#">get it</a>			<i>remarks - this release:</i> 2002-10-07: anticipate approval at RP-20.

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**TR 25.896 Uplink enhancements for dedicated transport channels**

Rel-6 *current version:* 0.4.2 DRAFT  
*freeze\_meeting:* SP-22  
*history (event, available, version,*  
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 04/09/2003 0 . 4 . 1 R1-030951  
post R1-33 13/09/2003 0 . 4 . 2 R1-030952

*WG (prime / other):* R1 / - *rapporteur:* RANTA-AHO, Karri  
*G:* *U:* yes *MCC:* SASAKI, Tsukasa

NOKIA Corporation

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

[get it](#)  
[get it](#)

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**TR 25.897 Feasibility study on the evolution of UTRAN architecture**

Rel-6 *current version:* 0.2.1 DRAFT  
*freeze\_meeting:* SP-22  
*history (event, available, version,*  
draft 24/01/2003 0 . 1 . 1  
R3-36 19/08/2003 0 . 2 . 1

*WG (prime / other):* R3 / - *rapporteur:* KEKKI, Sami  
*G:* *U:* yes *MCC:* KRAUSE, Joern

NOKIA Corporation

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

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**TR 25.898 Power control enhancements for UTRA**

Rel-6 *current version:* 0.1.0 DRAFT  
*freeze\_meeting:* SP-22  
*history (event, available, version,*  
R1-33 10/09/2003 0 . 1 . 0

*WG (prime / other):* R1 / - *rapporteur:* MITRA, Diptendu  
*G:* *U:* yes *MCC:* SASAKI, Tsukasa

NOKIA UK Ltd

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

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

Rel-6 *current version:* 2.0.1 DRAFT *WG (prime / other):* RP / GP *rapporteur:* PIRSKANEN, Juho NOKIA Corporation  
*freeze\_meeting:* SP-22 *G:* yes *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version,*  
draft 1 . 0 . 0 NOT seen by TSG RAN. Suspect *remarks - general:*  
version number is too optimistic. *remarks - this release:* .  
draft 1 . 1 . 0  
draft 20/01/2003 1 . 2 . 0 Exploder list. Still not seen by RAN. [get it](#)  
RP-19 24/03/2003 1 . 3 . 0 RP-030016 [get it](#)  
RP-20 02/06/2003 2 . 0 . 0 RP-030310 - not approved [get it](#)  
RP-21 19/08/2003 2 . 0 . 1 cleaned up draft from MCC [get it](#)

## 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:* 6.2.0 *WG (prime / other):* R2 / *rapporteur:* FAUCONNIER, Denis NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* SP-22 *G:* *U:* yes *MCC:* ARZELIER, Claude

*history (event, available, version,*  
RP-18 16/12/2002 0 . 0 . 0 RP-020814; version number incorrect [get it](#) *remarks - general:*  
on the document *remarks - this release:* SP-17: Currently the latest release version.  
RP-18 16/01/2003 0 . 1 . 0 RP-020877 [get it](#)  
RP-18 2 . 0 . 0 RP-020890 = composite of previous  
two versions!  
RP-18 13/01/2003 6 . 0 . 0 also created identical R99, Rel-4, Rel-5 [get it](#)  
versions  
RP-19 25/03/2003 6 . 1 . 0 [get it](#)  
RP-20 20/06/2003 6 . 2 . 0 [get it](#)

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

Rel-6 *current version:* 6.0.0 *WG (prime / other):* R1 / *rapporteur:* HUANG, Howard Lucent Technologies  
*freeze\_meeting:* *G:* *U:* yes *MCC:* SASAKI, Tsukasa

*history (event, available, version,*  
RP-19 24/03/2003 1 . 0 . 0 RP-030181 [get it](#) *remarks - general:*  
RP-20 17/06/2003 2 . 0 . 0 RP-030311 [get it](#) *remarks - this release:* .  
RP-20 03/07/2003 6 . 0 . 0 [get it](#)

Rel-6 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 26.093</b>	<b>AMR speech Codec; Source Controlled Rate operation</b>					
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik		Telefon AB LM Ericsson
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>					
	SP-19 04/04/2003 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
					<i>remarks - this release:</i> .	
<hr/>						
<b>TS 26.141</b>	<b>IP Multimedia System (IMS) Messaging and Presence; Media formats and codecs</b>					
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> HONKO, Harri		NOKIA Corporation
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>					
					<i>remarks - general:</i> WI = "Media Codecs and Formats for IMS Messaging and Presence" UID 32045.	
					<i>remarks - this release:</i> .	
<hr/>						
<b>TS 26.234</b>	<b>Transparent end-to-end streaming service; Protocols and codecs</b>					
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> FRANCESCHI, Olle		Nippon Ericsson K.K.
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>					
					<i>remarks - general:</i>	
					<i>remarks - this release:</i> SP-19: CRs anticipated at SP-22.	
<hr/>						
<b>TS 26.235</b>	<b>Packet switched conversational multimedia applications; Default codecs</b>					
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> OJALA, Pasi		Nokia Research Center
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>					
	SP-20 25/06/2003 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i> .	
<hr/>						
<b>TS 26.244</b>	<b>Transparent end-to-end streaming service; 3GPP file format (3GP)</b>					
Rel-6	<i>current version:</i> 0.1.3	DRAFT	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> FRANCESCHI, Olle		Nippon Ericsson K.K.
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>					
	draft 04/04/2003 0 . 1 . 3			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i> .	

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**TS 26.245 Transparent end-to-end streaming service; Timed text format**

Rel-6 *current version:* 0.1.6 DRAFT *WG (prime / other):* S4 / - *rapporteur:* FRANCESCHI, Olle Nippon Ericsson K.K.  
*freeze\_meeting:* G: U: yes *MCC:* USAI, Paolino  
*history (event, available, version,*  
draft 0 . 0 . 0 S4-020670 *remarks - general:*  
draft 0 . 1 . 0 S4-030023 *remarks - this release:* .  
draft 0 . 1 . 1 S4-030062  
draft 0 . 1 . 2 S4-030151  
draft 04/04/2003 0 . 1 . 3 S4-030251 [get it](#)  
draft 0 . 1 . 4 S4-030344  
S4-26 0 . 1 . 5 S4-030421  
draft 24/07/2003 0 . 1 . 6 S4-030581 [get it](#)

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**TS 26.246 Transparent end-to-end Packet-switched Streaming Service (PSS); 3GPP SMIL language profile**

Rel-6 *current version:* 0.0.3 DRAFT *WG (prime / other):* S4 / - *rapporteur:* GRASSEL, Guido NOKIA Corporation  
*freeze\_meeting:* G: U: yes *MCC:* USAI, Paolino  
*history (event, available, version,*  
draft 03/04/2003 0 . 0 . 1 [get it](#) *remarks - general:* Created S4-25bis. See S4-030135.  
draft 0 . 0 . 2 erroneously numbered v6.0.2 *remarks - this release:* .  
draft 29/08/2003 0 . 0 . 3 erroneously numbered v6.0.3 [get it](#)

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**TS 26.346 Multimedia Broadcast/Multicast Service (MBMS); Protocols and codecs**

Rel-6 *current version:* 0.1.0 DRAFT *WG (prime / other):* S4 / - *rapporteur:* SZELAZEK, Bill 3  
*freeze\_meeting:* G: U: yes *MCC:* USAI, Paolino  
*history (event, available, version,*  
S4-28 0 . 0 . 0 *remarks - general:* WI = "Multimedia Broadcast and Multicast Service" UID 2544.  
draft 29/08/2003 0 . 1 . 0 does not show spec number or version [get it](#) *remarks - this release:* .  
on cover

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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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## TS 27.007 AT command set for 3G User Equipment (UE)

Rel-6 *current version:* 6.3.0  
*freeze\_meeting:* SP-22  
*history (event, available, version,*

TP-16	25/06/2002	6	.	0	.	0
TP-18	20/12/2002	6	.	1	.	0
TP-19	31/03/2003	6	.	2	.	0
TP-20	23/06/2003	6	.	3	.	0

*WG (prime / other):* T2 / - *rapporteur:* CHRISTENSEN, Soren Telefon AB LM Ericsson  
*G:* yes *U:* yes *MCC:* RODERMUND, Friedhelm

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

Rel-6 29 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/29\\_series](http://www.3gpp.org/ftp/Specs/archive/29_series)

## TS 29.002 Mobile Application Part (MAP) specification

Rel-6 *current version:* 6.2.0  
*freeze\_meeting:* SP-22  
*history (event, available, version,*

NP-18	09/01/2003	6	.	0	.	0
NP-19	04/04/2003	6	.	1	.	0
NP-20	08/07/2003	6	.	2	.	0

*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:*  
[get it](#)

## TS 29.060 General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface

Rel-6 *current version:* 6.1.0  
*freeze\_meeting:*

*history (event, available, version,*  
NP-19 04/04/2003 6 . 0 . 0  
NP-20 27/06/2003 6 . 1 . 0

*WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo

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

## TS 29.162 Interworking between the IM CN subsystem and IP networks

Rel-6 *current version:* none  
*freeze\_meeting:*  
*history (event, available, version,*

*WG (prime / other):* N3 / *rapporteur:* HOLLAND, Nigel mmO2 plc  
*G:* yes *U:* yes *MCC:* BOSWARTHICK, David

*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: 1.9.0	DRAFT	WG (prime / other): N3 /	rapporteur: SANDERS, David	VODAFONE Group Plc
	freeze_meeting: SP-22		G: yes U: yes	MCC: BOSWARTHICK, David	
history (event, available, version,					
	N3-25 20/01/2003	1 . 4 . 1		<a href="#">get it</a>	remarks - general:
	NP-19 06/03/2003	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 24/03/2003	1 . 5 . 1		<a href="#">get it</a>	
	N3-28	1 . 6 . 0			
	NP-20 17/06/2003	1 . 7 . 0	NP-030196	<a href="#">get it</a>	
	N3-29 09/09/2003	1 . 8 . 0	distributed 2003-09-08 as a "draft" v1.8.0; the held version is the "official" v1.8.0.	<a href="#">get it</a>	
	NP-21 13/09/2003	1 . 9 . 0		<a href="#">get it</a>	
<hr/>					
<b>TS 29.198-04-</b>	<b>Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Common call control data definitions</b>				
Rel-6	current version: 6.0.0		WG (prime / other): N5 /	rapporteur: BAKKER, John-Luc	Telcordia Technologies, Inc.
	freeze_meeting:		G: U: yes	MCC: ZOICAS, Adrian	
history (event, available, version,					
	NP-20 27/06/2003	6 . 0 . 0		<a href="#">get it</a>	remarks - general:
					remarks - this release: .
<hr/>					
<b>TS 29.198-04-</b>	<b>Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data Service Capability Feature (SCF)</b>				
Rel-6	current version: 6.0.0		WG (prime / other): N5 /	rapporteur: BAKKER, John-Luc	Telcordia Technologies, Inc.
	freeze_meeting:		G: U: yes	MCC: ZOICAS, Adrian	
history (event, available, version,					
	NP-20 27/06/2003	6 . 0 . 0		<a href="#">get it</a>	remarks - general:
					remarks - this release: .
<hr/>					
<b>TS 29.198-04-</b>	<b>Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)</b>				
Rel-6	current version: 6.0.0		WG (prime / other): N5 /	rapporteur: BAKKER, John-Luc	Telcordia Technologies, Inc.
	freeze_meeting:		G: U: yes	MCC: ZOICAS, Adrian	
history (event, available, version,					
	NP-20 27/06/2003	6 . 0 . 0		<a href="#">get it</a>	remarks - general:
					remarks - this release: .

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<b>TS 29.198-06</b>	<b>Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility</b>					
Rel-6	current version: 6.0.0		WG (prime / other): N5 /	rapporteur: ABARCA, Chelo	ALCATEL S.A.	
	freeze_meeting:		G: U: yes	MCC: ZOICAS, Adrian		
	history (event, available, version,					
	NP-20 27/06/2003 6 . 0 . 0					<a href="#">get it</a> remarks - general: remarks - this release: .
<hr/>						
<b>TS 29.198-13</b>	<b>Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management SCF</b>					
Rel-6	current version: 6.0.0		WG (prime / other): N5 /	rapporteur: UNMEHOPA, Musa	Lucent Technologies Nederland B.V.	
	freeze_meeting:		G: U: yes	MCC: ZOICAS, Adrian		
	history (event, available, version,					
	NP-20 27/06/2003 6 . 0 . 0					<a href="#">get it</a> remarks - general: remarks - this release: .
<hr/>						
<b>TS 29.199</b>	<b>Open Service Access (OSA); Web Services Application Programming Interface (API) for OSA</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,					
						remarks - general: remarks - this release: .
<hr/>						
<b>TS 29.200</b>	<b>Signalling System No. 7; Mobile Application Part (MAP); Security signalling flows for the Ze interface</b>					
Rel-6	current version: none		WG (prime / other): N4 / -	rapporteur: JANSSON, Jari	NOKIA Corporation	
	freeze_meeting: SP-22		G: U: yes	MCC: KYMALAINEN, Kimmo		
	history (event, available, version,					
						remarks - general: Work item description in N4-021258. remarks - this release: .
<hr/>						
<b>TS 29.209</b>	<b>Policy control over Gq interface</b>					
Rel-6	current version: 0.0.1	DRAFT	WG (prime / other): N3 / -	rapporteur: N, A	Indicate persons who left Company and wait for new One	
	freeze_meeting:		G: U: yes	MCC: BOSWARTHICK, David		
	history (event, available, version,					
	draft 01/09/2003 0 . 0 . 1					<a href="#">get it</a> remarks - general: remarks - this release: .

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<b>TS 29.234</b>	<b>3GPP system to Wireless Local Area Network (WLAN) interworking; Stage 3</b>								
Rel-6	<i>current version:</i> 1.0.0	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, NP-21</i>	1 . 0 . 0							
				<i>remarks - general:</i>	Work Item = "WLAN Interworking – stage 3 definition of WLAN – 3GPP				
				<i>remarks - this release:</i>	. interworking", see N4-030221 (né N4-030157)				
<hr/>									
<b>TS 29.240</b>	<b>Generic User Profile (GUP); Stage 3; Network</b>								
Rel-6	<i>current version:</i> none		<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,</i>								
				<i>remarks - general:</i>	Cf work item 'Generic user profile' - may be renumbered to 27.241				
				<i>remarks - this release:</i>	2003-03-05: Delayed from Rel-5.				
<hr/>									
<b>TS 29.332</b>	<b>Media Gateway Control Function (MGCF) - IM Media Gateway (IM-MGW) Mc interface; Stage 3</b>								
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> SCHMITT, Peter	SIEMENS AG				
	<i>freeze_meeting:</i> SP-22		G: U: yes	<i>MCC:</i> KYMALAINEN, Kimmo					
	<i>history (event, available, version,</i>								
				<i>remarks - general:</i>	2002-05-30: Created in response to proposed new WI in N4-020773.				
				<i>remarks - this release:</i>	Anticipated change control at NP-22.				
<hr/>									
<b>TS 29.333</b>	<b>Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface; Stage 3</b>								
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> N4 /	<i>rapporteur:</i> SANDERS, David	VODAFONE Group Plc				
	<i>freeze_meeting:</i> SP-22		G: U: yes	<i>MCC:</i> KYMALAINEN, Kimmo					
	<i>history (event, available, version,</i>								
				<i>remarks - general:</i>					
				<i>remarks - this release:</i>	.				
<hr/>									
<b>TR 29.846</b>	<b>Multimedia Broadcast/Multicast Service (MBMS); CN1 procedure description</b>								
Rel-6	<i>current version:</i> 0.2.0	DRAFT	<i>WG (prime / other):</i> N1 /	<i>rapporteur:</i> HOBBS, Kevan	3				
	<i>freeze_meeting:</i> NP-19		G: yes U: yes	<i>MCC:</i> JORGENSEN, Per Johan					
	<i>history (event, available, version,</i>								
	draft	0 . 0 . 1							
	N3-27	0 . 1 . 0	N1-0300277						
	draft 24/06/2003	0 . 2 . 0							
				<a href="#">get it</a>					
				<i>remarks - general:</i>					
				<i>remarks - this release:</i>	.				

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<b>TR 29.847</b>	<b>Conferencing based on SIP, SDP, and other protocols; Functional models, information flows and protocol details</b>								
Rel-6	<i>current version:</i> 1.0.0	DRAFT	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> MAYER, Georg	NOKIA Corporation				
	<i>freeze_meeting:</i>		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> JORGENSEN, Per Johan				
	<i>history (event, available, version,</i>								
	draft	0 . 0 . 0						<i>remarks - general:</i>	
	N1-29 06/05/2003	0 . 1 . 0						<i>remarks - this release:</i> .	
	N1-30 02/06/2003	0 . 2 . 0	N1-031121						<a href="#">get it</a>
	N1-31 01/09/2003	0 . 3 . 0							<a href="#">get it</a>
	NP-21 11/09/2003	1 . 0 . 0							<a href="#">get it</a>
<hr/>									
<b>TR 29.962</b>	<b>Signalling interworking between the 3GPP profile of the Session Initiation Protocol (SIP) and non-3GPP SIP usage</b>								
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BELLING, Thomas	SIEMENS AG				
	<i>freeze_meeting:</i> SP-22		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> BOSWARTHICK, David				
	<i>history (event, available, version,</i>								
	NP-18 06/01/2003	1 . 0 . 0	NP-020610					<i>remarks - general:</i>	
	NP-19 06/03/2003	1 . 1 . 0	NP-030073. Will be reviewed N1-28, N3-27.					<i>remarks - this release:</i> .	
	N3-29	1 . 2 . 0							
	NP-20 17/06/2003	2 . 0 . 0	NP-030197 -> NP-030293						<a href="#">get it</a>
	NP-20 23/06/2003	6 . 0 . 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-6	<i>current version:</i> none		<i>WG (prime / other):</i> N1 / RP	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S				
	<i>freeze_meeting:</i> SP-22		<i>G:</i> yes	<i>U:</i> yes	<i>MCC:</i> JORGENSEN, Per Johan				
	<i>history (event, available, version,</i>								
								<i>remarks - general:</i>	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to
								<i>remarks - this release:</i>	. latest Release version.

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**TR 30.531 Work Plan and Study Items - RAN WG3**  
Rel-6 *current version:* 0.9.3 DRAFT  
*freeze\_meeting:*  
*history (event, available, version,*  
draft 23/11/2001 0 . 9 . 3 Inherited from R99.  
*WG (prime / other):* R3 / - *rapporteur:* KRAUSE, Joern SIEMENS AG  
*G:* *U:* yes *MCC:* KRAUSE, Joern  
[get it](#) *remarks - general:*  
*remarks - this release:* Continues work started in R99 document.

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**TS 31.101 UICC-terminal interface; Physical and logical characteristics**  
Rel-6 *current version:* 6.2.0  
*freeze\_meeting:* tbd  
*history (event, available, version,*  
TP-17 18/09/2002 6 . 0 . 0  
TP-18 02/01/2003 6 . 1 . 0  
TP-20 23/06/2003 6 . 2 . 0  
*WG (prime / other):* T3 / SCP *rapporteur:* VESTERGAARD, Peter NOKIA UK Ltd  
*G:* *U:* yes *MCC:* DIETZE, Claus  
[get it](#) *remarks - general:* Contents is a reference to ETSI TR 102 221.  
[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.  
[get it](#)

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**TS 31.102 Characteristics of the USIM application**  
Rel-6 *current version:* 6.2.0  
*freeze\_meeting:* SP-22  
*history (event, available, version,*  
TP-18 02/01/2003 6 . 0 . 0  
TP-19 01/04/2003 6 . 1 . 0  
TP-20 23/06/2003 6 . 2 . 0  
*WG (prime / other):* T3 / - *rapporteur:* HEIM, Christian GIESECKE & DEVRIENT GmbH  
*G:* *U:* yes *MCC:* DIETZE, Claus  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* .  
[get it](#)

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**TS 31.103 Characteristics of the IP Multimedia Services Identity Module (ISIM) application**  
Rel-6 *current version:* 6.2.0  
*freeze\_meeting:* SP-22  
*WG (prime / other):* T3 / *rapporteur:* N, A Indicate persons who left Company and wait for new One  
*G:* yes *U:* yes *MCC:* DIETZE, Claus  
*history (event, available, version,*  
TP-18 02/01/2003 6 . 0 . 0  
TP-19 26/03/2003 6 . 1 . 0  
TP-20 23/06/2003 6 . 2 . 0  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* .  
[get it](#)

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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> SP-22								
	<i>history (event, available, version,</i>		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i>	DIETZE, Claus			
	TP-16 19/06/2002	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	TP-17 25/09/2002	6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .				
	TP-19 26/03/2003	6 . 2 . 0		<a href="#">get it</a>					
<hr/>									
<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> SP-22		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i>	DIETZE, Claus			
	<i>history (event, available, version,</i>								
					<i>remarks - general:</i>				
					<i>remarks - this release:</i> TP-15: Enhancements to Rel-5 envisaged.				
<hr/>									
<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> 6.2.0		<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> VIALLET, Sophie					GEMPLUS Card International
	<i>freeze_meeting:</i> SP-22		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i>	DIETZE, Claus			
	<i>history (event, available, version,</i>								
	TP-16 26/06/2002	2 . 0 . 0	TP-020126	<a href="#">get it</a>	<i>remarks - general:</i>	additional rapporteur: Florence Martin.			
	TP-16 19/06/2002	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 23/09/2002	6 . 1 . 0		<a href="#">get it</a>					
	TP-18 02/01/2003	6 . 2 . 0		<a href="#">get it</a>					
<hr/>									
<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> 6.3.0		<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> VIALLET, Sophie					GEMPLUS Card International
	<i>freeze_meeting:</i> SP-22		<i>G:</i> yes	<i>U:</i> yes	<i>MCC:</i>	DIETZE, Claus			
	<i>history (event, available, version,</i>								
	TP-16 26/06/2002	2 . 0 . 0	TP-020127	<a href="#">get it</a>	<i>remarks - general:</i>	additional rapporteur: Florence Martin			
	TP-16 19/06/2002	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 23/09/2002	6 . 1 . 0		<a href="#">get it</a>					
	TP-18 02/01/2003	6 . 2 . 0		<a href="#">get it</a>					
	TP-19 26/03/2003	6 . 3 . 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> 1.0.0	DRAFT	<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> DIETZE, Claus						
	<i>history (event, available, version,</i>									
	TP-20 17/06/2003 1 . 0 . 0	TP-030127	<a href="#">get it</a>	<i>remarks - general:</i>						
				<i>remarks - this release:</i> TP-20: Target for approval: TP-21.						
<hr/>										
<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> TON, Wim	ASPECTS Software Ltd					
	<i>freeze_meeting:</i> SP-22		<i>G:</i> <i>U:</i> yes	<i>MCC:</i> DIETZE, Claus						
	<i>history (event, available, version,</i>									
	TP-17 24/09/2002 2 . 0 . 0	TP-020219	<a href="#">get it</a>	<i>remarks - general:</i> Test spec is 34.131.						
	TP-17 27/09/2002 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .						
	TP-19 26/03/2003 6 . 1 . 0		<a href="#">get it</a>							
<hr/>										
<b>TR 31.919</b>	<b>2G/3G Java Card(TM) Application Programming Interface (API) based applet interworking</b>									
Rel-6	<i>current version:</i> 1.0.0	DRAFT	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> ANDRAU, Stéphane	OBERTHUR CARD SYSTEMS S.A.					
	<i>freeze_meeting:</i>		<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> DIETZE, Claus						
	<i>history (event, available, version,</i>									
	TP-20 17/06/2003 1 . 0 . 0	TP-030128	<a href="#">get it</a>	<i>remarks - general:</i> WI UID = 43005.						
				<i>remarks - this release:</i> .						

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<b>TS 32.140</b>	<b>Telecommunication management; Services operations management; Subscription management requirements</b>									
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> ISLIP, John	Lucent Technologies Network Systems UK					
	<i>freeze_meeting:</i>		<i>G:</i> <i>U:</i> yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version,</i>									
	SP-15 19/03/2002 1 . 0 . 0	SP-020012 (originally Rel-5)	<a href="#">get it</a>	<i>remarks - general:</i>						
	SP-18 06/01/2003 1 . 1 . 1	SP-020728	<a href="#">get it</a>	<i>remarks - this release:</i> SP-15: moved from Rel-5.						
	SP-19 2 . 0 . 0	SP-030041								
	SP-19 31/03/2003 6 . 0 . 0		<a href="#">get it</a>							

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<b>TS 32.141</b>	<b>Telecommunication management; Services operations management; Subscription management architecture</b>								
Rel-6	<i>current version:</i> 1.0.0	DRAFT	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> ABA, Istvan	T-Mobile AUSTRIA GmbH				
	<i>freeze_meeting:</i> SP-22		G: U: yes	<i>MCC:</i> ZOICAS, Adrian					
	<i>history (event, available, version,</i>								
	SP-19 27/03/2003 1 . 0 . 0	SP-030042							
			<a href="#">get it</a>	<i>remarks - general:</i>					
				<i>remarks - this release:</i> .					
<hr/>									
<b>TS 32.150</b>	<b>Telecommunication management; Integration Reference Point (IRP): Introduction and definitions</b>								
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> S5 / T2	<i>rapporteur:</i> TOVINGER, Thomas	Telefon AB LM Ericsson				
	<i>freeze_meeting:</i> SP-22		G: U: yes	<i>MCC:</i> ZOICAS, Adrian					
	<i>history (event, available, version,</i>								
				<i>remarks - general:</i>	Justification: see SP-020608. Stage 3: see 27.150. 2003-08-28: Title changed				
				<i>remarks - this release:</i> .	from "Telecommunication management; User Equipment Management (UEM); UEM requirements and architecture; Stages 1 and 2".				
<hr/>									
<b>TS 32.171</b>	<b>Service operations management; Subscription management resources Integration Reference Point (IRP); Requirements</b>								
Rel-6	<i>current version:</i> 0.1.0	DRAFT	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> ABA, Istvan	T-Mobile AUSTRIA GmbH				
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> ZOICAS, Adrian					
	<i>history (event, available, version,</i>								
	draft 22/08/2003 0 . 1 . 0								
			<a href="#">get it</a>	<i>remarks - general:</i>					
				<i>remarks - this release:</i> .					
<hr/>									
<b>TS 32.172</b>	<b>Service operations management; Subscription management resources Integration Reference Point (IRP); Network resources model</b>								
Rel-6	<i>current version:</i> 0.1.0	DRAFT	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> ABA, Istvan	T-Mobile AUSTRIA GmbH				
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> ZOICAS, Adrian					
	<i>history (event, available, version,</i>								
	draft 22/08/2003 0 . 1 . 0								
			<a href="#">get it</a>	<i>remarks - general:</i>					
				<i>remarks - this release:</i> .					
<hr/>									
<b>TS 32.240</b>	<b>Telecommunication management; Charging management; Charging architecture and principles</b>								
Rel-6	<i>current version:</i> none		<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,</i>								
				<i>remarks - general:</i>					
				<i>remarks - this release:</i> .					

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<b>TS 32.250</b>	<b>Telecommunication management; Charging management; Circuit Switched (CS) domain charging</b>				
Rel-6	<i>current version: none</i>	<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,</i>			<i>remarks - general:</i>	
				<i>remarks - this release:</i> .	
<hr/>					
<b>TS 32.251</b>	<b>Telecommunication management; Charging management; Packet Switched (PS) domain charging</b>				
Rel-6	<i>current version: none</i>	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> RICHARDS,		NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>			<i>remarks - general:</i>	
				<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: none</i>	<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,</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: none</i>	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TEPPO, Patrik		Telefon AB LM Ericsson
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>			<i>remarks - general:</i>	
				<i>remarks - this release:</i> .	
<hr/>					
<b>TS 32.270</b>	<b>Telecommunication management; Charging management; Multimedia Messaging Service (MMS) charging</b>				
Rel-6	<i>current version: none</i>	<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,</i>			<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: none</i>	<i>WG (prime / other): S5 / -</i>	<i>rapporteur: BIBAS, Alain</i>		ORANGE FRANCE	
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC: ZOICAS, Adrian</i>			
	<i>history (event, available, version,</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: none</i>	<i>WG (prime / other): S5 /</i>	<i>rapporteur: BROWN, Yishai</i>		Amdocs Software Systems Limited	
	<i>freeze_meeting:</i>	G: yes U: yes	<i>MCC: ZOICAS, Adrian</i>			
	<i>history (event, available, version,</i>			<i>remarks - general: WID = CH (SP-030047)</i>		
				<i>remarks - this release: Target for approval = SP-21.</i>		
<hr/>						
<b>TS 32.297</b>	<b>Telecommunication management; Charging management; Charging Data Records (CDR) file format and transfer</b>					
Rel-6	<i>current version: 1.0.0</i>	DRAFT	<i>WG (prime / other): S5 / -</i>	<i>rapporteur: RICHARDS,</i>	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC: ZOICAS, Adrian</i>		
	<i>history (event, available, version,</i>					
	SP-20 17/06/2003 1 . 0 . 0 SP-030273		<a href="#">get it</a>	<i>remarks - general: 2003-08-18: Title changed from "Telecommunication management; Charging</i>		
				<i>remarks - this release: . management; Charging interface description to the billing domain".</i>		
<hr/>						
<b>TS 32.298</b>	<b>Telecommunication management; Charging management; Charging Data Record (CDR) encoding rules description</b>					
Rel-6	<i>current version: none</i>	<i>WG (prime / other): S5 / -</i>	<i>rapporteur: NENNER, Karl-Heinz</i>		T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC: ZOICAS, Adrian</i>			
	<i>history (event, available, version,</i>			<i>remarks - general:</i>		
				<i>remarks - this release: .</i>		
<hr/>						
<b>TS 32.299</b>	<b>Telecommunication management; Charging management; Diameter charging application</b>					
Rel-6	<i>current version: none</i>	<i>WG (prime / other): S5 / -</i>	<i>rapporteur: TEPP0, Patrik</i>		Telefon AB LM Ericsson	
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC: ZOICAS, Adrian</i>			
	<i>history (event, available, version,</i>			<i>remarks - general: 2003-08-18: Title changed from "Telecommunication management; Charging</i>		
				<i>remarks - this release: . management; Charging protocol description".</i>		

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**TS 32.331 Telecommunication management; Notification log Integration Reference Point (IRP): Requirements**  
Rel-6 *current version: none* WG (prime / other): S5 / rapporteur: SCHMIDT, Joerg MOTOROLA A/S  
*freeze\_meeting:* G: U: yes MCC: ZOICAS, Adrian  
*history (event, available, version,* *remarks - general:*  
*remarks - this release: .*

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**TS 32.332 Telecommunication management; Notification log Integration Reference Point (IRP): Information service**  
Rel-6 *current version: none* WG (prime / other): S5 / rapporteur: SCHMIDT, Joerg MOTOROLA A/S  
*freeze\_meeting:* G: U: yes MCC: ZOICAS, Adrian  
*history (event, available, version,* *remarks - general:*  
*remarks - this release: .*

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**TS 32.333 Telecommunication management; Notification log Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set**  
Rel-6 *current version: none* WG (prime / other): S5 / rapporteur: RAYMER, David Motorola Inc.  
*freeze\_meeting:* G: U: yes MCC: ZOICAS, Adrian  
*history (event, available, version,* *remarks - general:*  
*remarks - this release: .*

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**TS 32.334 Telecommunication management; Notification log Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set**  
Rel-6 *current version: none* WG (prime / other): S5 / rapporteur: POLLAKOWSKI, Olaf SIEMENS AG  
*freeze\_meeting:* G: U: yes MCC: ZOICAS, Adrian  
*history (event, available, version,* *remarks - general:*  
*remarks - this release: .*

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**TS 32.341 Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Requirements**  
Rel-6 *current version: 1.0.0* DRAFT WG (prime / other): S5 / rapporteur: SCHMIDT, Joerg MOTOROLA A/S  
*freeze\_meeting:* G: U: yes MCC: ZOICAS, Adrian  
*history (event, available, version,* *remarks - general:*  
SP-20 17/06/2003 1 . 0 . 0 SP-030290 [get it](#) *remarks - this release: .*

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<b>TS 32.342</b>	<b>Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Information service</b>					
Rel-6	<i>current version: none</i>	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> SCHMIDT, Joerg	MOTOROLA A/S		
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version,</i>					
						<i>remarks - general:</i>
						<i>remarks - this release: .</i>
<hr/>						
<b>TS 32.343</b>	<b>Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set</b>					
Rel-6	<i>current version: none</i>	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> RAYMER, David	Motorola Inc.		
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version,</i>					
						<i>remarks - general:</i>
						<i>remarks - this release: .</i>
<hr/>						
<b>TS 32.344</b>	<b>Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set</b>					
Rel-6	<i>current version: none</i>	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> SUERBAUM, Clemens	SIEMENS AG		
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version,</i>					
						<i>remarks - general:</i>
						<i>remarks - this release: .</i>
<hr/>						
<b>TS 32.350</b>	<b>Telecommunication management; Communication Surveillance (CS) requirements</b>					
Rel-6	<i>current version: none</i>	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> LI, Yewen	China Mobile Communications Corporation (CMCC)		
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version,</i>					
						<i>remarks - general: WI = OAM-NIM (UID 35014)</i>
						<i>remarks - this release: .</i>
<hr/>						
<b>TS 32.351</b>	<b>Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Requirements</b>					
Rel-6	<i>current version: none</i>	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> LI, Yewen	China Mobile Communications Corporation (CMCC)		
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version,</i>					
						<i>remarks - general: WI = OAM-NIM (UID 35014)</i>
						<i>remarks - this release: .</i>

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<b>TS 32.352</b>	<b>Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Information service</b>				
Rel-6	<i>current version: none</i>	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> LI, Yewen		China Mobile Communications Corporation (CMCC)
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>			<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</b>				
Rel-6	<i>current version: none</i>	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> LI, Yewen		China Mobile Communications Corporation (CMCC)
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>			<i>remarks - general:</i> WI = OAM-NIM (UID 35014)	
				<i>remarks - this release:</i> .	
<hr/>					
<b>TS 32.354</b>	<b>Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set</b>				
Rel-6	<i>current version: none</i>	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> LI, Yewen		China Mobile Communications Corporation (CMCC)
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</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: none</i>	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> LI, Yewen		China Mobile Communications Corporation (CMCC)
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>			<i>remarks - general:</i> WI = OAM-NIM (UID 35014)	
				<i>remarks - this release:</i> .	
<hr/>					
<b>TS 32.362</b>	<b>Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Information service</b>				
Rel-6	<i>current version: none</i>	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> LI, Yewen		China Mobile Communications Corporation (CMCC)
	<i>freeze_meeting:</i>	G: U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>			<i>remarks - general:</i> WI = OAM-NIM (UID 35014)	
				<i>remarks - this release:</i> .	

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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</b>
Rel-6	<i>current version: none</i>
	<i>freeze_meeting:</i>
	<i>history (event, available, version,</i>
	<i>WG (prime / other): S5 / rapporteur: LI, Yewen</i>
	<i>G: U: yes MCC: ZOICAS, Adrian</i>
	<i>China Mobile Communications Corporation (CMCC)</i>
	<i>remarks - general: WI = OAM-NIM (UID 35014)</i>
	<i>remarks - this release: .</i>

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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</b>
Rel-6	<i>current version: none</i>
	<i>freeze_meeting:</i>
	<i>history (event, available, version,</i>
	<i>WG (prime / other): S5 / rapporteur: LI, Yewen</i>
	<i>G: U: yes MCC: ZOICAS, Adrian</i>
	<i>China Mobile Communications Corporation (CMCC)</i>
	<i>remarks - general: WI = OAM-NIM (UID 35014)</i>
	<i>remarks - this release: .</i>

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<b>TS 32.371</b>	<b>Security Management Integration Reference Point (IRP): Requirements</b>
Rel-6	<i>current version: none</i>
	<i>freeze_meeting:</i>
	<i>history (event, available, version,</i>
	<i>WG (prime / other): S5 / rapporteur: YANG, Li</i>
	<i>G: U: yes MCC: ZOICAS, Adrian</i>
	<i>HuaWei Technologies Co., Ltd</i>
	<i>remarks - general: WI = OAM-AR (UID 35011)</i>
	<i>remarks - this release: .</i>

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

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

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<b>TS 32.374</b>	<b>Security Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set</b>							
Rel-6	current version: none	WG (prime / other): S5 /	rapporteur: YANG, Li			HuaWei Technologies Co., Ltd		
	freeze_meeting:	G: U: yes	MCC: ZOICAS, Adrian					
	history (event, available, version,							
							remarks - general: WI = OAM-AR (UID 35011)	
							remarks - this release: .	
<b>TS 32.403</b>	<b>Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM</b>							
Rel-6	current version: 6.0.0	WG (prime / other): S5 / -	rapporteur: TOCHE, Christian			NORTEL NETWORKS (EUROPE)		
	freeze_meeting:	G: yes U: yes	MCC: ZOICAS, Adrian					
	history (event, available, version,							
	SP-20 27/06/2003 6 . 0 . 0						get it remarks - general: was 32.104 (pars)	
							remarks - this release: .	
<b>TS 32.411</b>	<b>Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Requirements</b>							
Rel-6	current version: 6.0.0	WG (prime / other): S5 / -	rapporteur: HÜBINETTE, Ulf			Telefon AB LM Ericsson		
	freeze_meeting: SP-22	G: yes U: yes	MCC: ZOICAS, Adrian					
	history (event, available, version,							
	SP-17 16/09/2002 1 . 0 . 0 SP-020500						get it remarks - general:	
	SP-20 17/06/2003 2 . 0 . 0 SP-030294						get it remarks - this release: .	
	SP-20 18/06/2003 6 . 0 . 0						get it	
<b>TS 32.412</b>	<b>Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Information service</b>							
Rel-6	current version: 1.1.0	WG (prime / other): S5 / -	rapporteur: TOCHE, Christian			NORTEL NETWORKS (EUROPE)		
	freeze_meeting: SP-22	G: yes U: yes	MCC: ZOICAS, Adrian					
	history (event, available, version,							
	SP-20 17/06/2003 1 . 0 . 0 SP-030295						get it remarks - general:	
	S5-35 29/07/2003 1 . 1 . 0						get it remarks - this release: .	
<b>TS 32.413</b>	<b>Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set</b>							
Rel-6	current version: none	WG (prime / other): S5 / -	rapporteur: TOCHE, Christian			NORTEL NETWORKS (EUROPE)		
	freeze_meeting: SP-22	G: yes U: yes	MCC: ZOICAS, Adrian					
	history (event, available, version,							
							remarks - general:	
							remarks - this release: .	

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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</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> none	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>			<i>remarks - general:</i>	
				<i>remarks - this release:</i> .	
<hr/>					
<b>TS 32.421</b>	<b>Telecommunication management; Subscriber and equipment trace: Trace concepts and requirements</b>				
Rel-6	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> KORINEK, Frank	MOTOROLA JAPAN LTD	
	<i>freeze_meeting:</i> SP-22	<i>G:</i> <i>U:</i> yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>			<i>remarks - general:</i>	
	SP-16 17/06/2002 1 . 0 . 0 SP-020330		<a href="#">get it</a>	<i>remarks - this release:</i> .	
	SP-18 06/01/2003 2 . 0 . 0 SP-020755		<a href="#">get it</a>		
	SP-18 06/01/2003 6 . 0 . 0		<a href="#">get it</a>		
	SP-19 31/03/2003 6 . 1 . 0		<a href="#">get it</a>		
<hr/>					
<b>TS 32.422</b>	<b>Telecommunication management; Subscriber and equipment trace: Trace control and Configuration Management</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> SP-22	<i>G:</i> <i>U:</i> yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>			<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> SP-22	<i>G:</i> <i>U:</i> yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>			<i>remarks - general:</i>	
				<i>remarks - this release:</i> .	
<hr/>					
<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> none	<i>G:</i> <i>U:</i> yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>			<i>remarks - general:</i>	
	SP-19 01/04/2003 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .	

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<b>TS 32.662</b>	<b>Telecommunication management; Configuration Management (CM); Kernel CM information service</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: U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>				
	SP-19 01/04/2003 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i> .		
<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> SP-22	G: U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>				
	SP-19 03/04/2003 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> SP-22	G: U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>				
	SP-19 01/04/2003 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-20 27/06/2003 6 . 1 . 0	<a href="#">get it</a>	<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> none	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PAL, Tapinder	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> SP-22	G: U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>				
			<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</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> SP-22	G: U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>				
			<i>remarks - general:</i>		
			<i>remarks - this release:</i> .		

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<b>TS 32.683</b>	<b>Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set</b>	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PAL, Tapinder	T-MOBILE DEUTSCHLAND
Rel-6	<i>current version:</i> none	<i>G:</i>	<i>MCC:</i> ZOICAS, Adrian	
	<i>freeze_meeting:</i> SP-22	<i>U:</i> yes		
	<i>history (event, available, version,</i>			
			<i>remarks - general:</i>	
			<i>remarks - this release:</i> .	
<hr/>				
<b>TS 32.684</b>	<b>Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set</b>	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PAL, Tapinder	T-MOBILE DEUTSCHLAND
Rel-6	<i>current version:</i> none	<i>G:</i>	<i>MCC:</i> ZOICAS, Adrian	
	<i>freeze_meeting:</i> SP-22	<i>U:</i> yes		
	<i>history (event, available, version,</i>			
			<i>remarks - general:</i>	
			<i>remarks - this release:</i> .	
<hr/>				
<b>TS 32.695</b>	<b>Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition</b>	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> N, A	Indicate persons who left Company and wait for new One
Rel-6	<i>current version:</i> none	<i>G:</i>	<i>MCC:</i> ZOICAS, Adrian	
	<i>freeze_meeting:</i>	<i>U:</i> yes		
	<i>history (event, available, version,</i>			
			<i>remarks - general:</i>	
			<i>remarks - this release:</i> .	
<hr/>				
<b>TS 32.711</b>	<b>Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Requirements</b>	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PAL, Tapinder	T-MOBILE DEUTSCHLAND
Rel-6	<i>current version:</i> none	<i>G:</i>	<i>MCC:</i> ZOICAS, Adrian	
	<i>freeze_meeting:</i>	<i>U:</i> yes		
	<i>history (event, available, version,</i>			
			<i>remarks - general:</i> WI = OAM-NIM (UID 35014)	
			<i>remarks - this release:</i> .	
<hr/>				
<b>TS 32.712</b>	<b>Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Information service</b>	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PAL, Tapinder	T-MOBILE DEUTSCHLAND
Rel-6	<i>current version:</i> none	<i>G:</i>	<i>MCC:</i> ZOICAS, Adrian	
	<i>freeze_meeting:</i>	<i>U:</i> yes		
	<i>history (event, available, version,</i>			
			<i>remarks - general:</i> WI = OAM-NIM (UID 35014)	
			<i>remarks - this release:</i> .	

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<b>TS 32.713</b>	<b>Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set</b>					
Rel-6	<i>current version: none</i>		<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PAL, Tapinder		T-MOBILE DEUTSCHLAND
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i>		ZOICAS, Adrian
	<i>history (event, available, version,</i>					
				<i>remarks - general:</i>		WI = OAM-NIM (UID 35014)
				<i>remarks - this release:</i>		.
<hr/>						
<b>TS 32.714</b>	<b>Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set</b>					
Rel-6	<i>current version: none</i>		<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PAL, Tapinder		T-MOBILE DEUTSCHLAND
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i>		ZOICAS, Adrian
	<i>history (event, available, version,</i>					
				<i>remarks - general:</i>		WI = OAM-NIM (UID 35014)
				<i>remarks - this release:</i>		.
<hr/>						
<b>TS 32.715</b>	<b>Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition</b>					
Rel-6	<i>current version: none</i>		<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PAL, Tapinder		T-MOBILE DEUTSCHLAND
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i>		ZOICAS, Adrian
	<i>history (event, available, version,</i>					
				<i>remarks - general:</i>		WI = OAM-NIM (UID 35014)
				<i>remarks - this release:</i>		.
<hr/>						
<b>TR 32.815</b>	<b>Telecommunication management; Charging management; On-line Charging System (OCS) architecture study</b>					
Rel-6	<i>current version: 1.0.0</i>	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,</i>					
	SP-20 17/06/2003 1 . 0 . 0	SP-030274		<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	.

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<b>TS 33.108</b>	<b>3G security; Handover interface for Lawful Interception (LI)</b>								
Rel-6	<i>current version:</i> 6.2.0		<i>WG (prime / other):</i> S3 /	<i>rapporteur:</i> WILHELM, Berthold	BUNDESMINISTERIUM FUR WIRTSCHAFT				
	<i>freeze_meeting:</i> SP-22		<i>G:</i> U: yes	<i>MCC:</i> POPE, Maurice					
	<i>history (event, available, version,</i>								
	SP-18 18/12/2002	6 . 0 . 0							
	SP-19 24/03/2003	6 . 1 . 0							
	SP-20 18/06/2003	6 . 2 . 0							
			<a href="#">get it</a>	<i>remarks - general:</i>	2001-12-04 Title changed from "Lawful Interception; Interface between core				
			<a href="#">get it</a>	<i>remarks - this release:</i>	. network and law agency equipment" (Berthold.Wilhelm@RegTP.de).				
			<a href="#">get it</a>						
<hr/>									
<b>TS 33.109</b>	<b>Bootstrapping of application security using AKA and support for subscriber certificates; System description</b>								
Rel-6	<i>current version:</i> 0.3.0	DRAFT	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> HAUKKA, Tao	NOKIA Corporation				
	<i>freeze_meeting:</i>		<i>G:</i> U: yes	<i>MCC:</i> POPE, Maurice					
	<i>history (event, available, version,</i>								
	S3-27	0 . 1 . 0							
	S3-28	0 . 2 . 0							
	S3-29 11/09/2003	0 . 3 . 0							
			<a href="#">get it</a>	<i>remarks - general:</i>					
				<i>remarks - this release:</i>	.				
<hr/>									
<b>TS 33.210</b>	<b>3G security; Network Domain Security (NDS); IP network layer security</b>								
Rel-6	<i>current version:</i> 6.2.0		<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> KOIEN, Geir	Telenor AS				
	<i>freeze_meeting:</i> SP-22		<i>G:</i> yes U: yes	<i>MCC:</i> POPE, Maurice					
	<i>history (event, available, version,</i>								
	SP-18 18/12/2002	6 . 0 . 0							
	SP-19 24/03/2003	6 . 1 . 0							
	SP-20 18/06/2003	6 . 2 . 0							
			<a href="#">get it</a>	<i>remarks - general:</i>	2001-05-24: 33.200 split into MAP (33.200) and IP (33.210).				
			<a href="#">get it</a>	<i>remarks - this release:</i>	.				
			<a href="#">get it</a>						
<hr/>									
<b>TS 33.234</b>	<b>3G security; Wireless Local Area Network (WLAN) interworking security</b>								
Rel-6	<i>current version:</i> 0.1.0	DRAFT	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> LOPEZ SORIA, Luis	Telefon AB LM Ericsson				
	<i>freeze_meeting:</i> SP-22		<i>G:</i> U: yes	<i>MCC:</i> POPE, Maurice					
	<i>history (event, available, version,</i>								
	S3-25 23/10/2002	0 . 1 . 0							
			<a href="#">get it</a>	<i>remarks - general:</i>					
				<i>remarks - this release:</i>	.				

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<b>TS 33.246</b>	<b>3G Security; Security of Multimedia Broadcast/Multicast Service (MBMS)</b>								
Rel-6	current version: 0.2.0	DRAFT	WG (prime / other): S3 / -	rapporteur: ESCOTT, Adrian	3				
	freeze_meeting: SP-22		G: yes U: yes	MCC: POPE, Maurice					
	history (event, available, version,								
	S3-25 23/10/2002	0 . 0 . 1				<a href="#">get it</a>	remarks - general:		
	S3-25	0 . 0 . 2					remarks - this release: .		
	S3-26	0 . 0 . 3							
	S3-27	0 . 1 . 0							
	draft 08/07/2003	0 . 1 . 1				<a href="#">get it</a>			
	S3-29 02/09/2003	0 . 2 . 0				<a href="#">get it</a>			
<b>TS 33.310</b>	<b>Network domain security; Authentication framework (NDS/AF)</b>								
Rel-6	current version: none		WG (prime / other): S3 / -	rapporteur: VIITANEN, Tommi	NOKIA Corporation				
	freeze_meeting:		G: U: yes	MCC: POPE, Maurice					
	history (event, available, version,								
							remarks - general:		
							remarks - this release: .		
<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	current version: 6.0.0		WG (prime / other): S3 / -	rapporteur: N, A	Indicate persons who left Company and wait for new One				
	freeze_meeting: SP-20		G: U: yes	MCC: POPE, Maurice					
	history (event, available, version,								
	draft	0 . 0 . 0					remarks - general: 2002-07-22: was formerly 33.910.		
	draft	0 . 0 . 1					remarks - this release: SP-17: expect v2.0.0 at SP-18.		
	SP-17	1 . 0 . 0	SP-020507 (wronly labeled 33.910)						
	edito post SP-17 18/09/2002	1 . 0 . 1	corrects spec number on front cover			<a href="#">get it</a>			
	S3-25	1 . 1 . 0							
	SP-18 16/01/2003	2 . 0 . 0	SP-020723			<a href="#">get it</a>			
	SP-18 18/12/2002	6 . 0 . 0				<a href="#">get it</a>			

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

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[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> 0.6.0	DRAFT	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> YAQUB, Raziq	Toshiba Corporation, Digital Media Network				
	<i>freeze_meeting:</i>		<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> POPE, Maurice					
	<i>history (event, available, version,</i>								
	draft	0 . 0 . 1			<i>remarks - general:</i>	Original WID = SP-030341.			
	TOC enhanced, Requirements & threat analysis added	0 . 0 . 2			<i>remarks - this release:</i>	Original WID = SP-030341			
	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	25/07/2003 0 . 6 . 0	TR number awarded.	<a href="#">get it</a>					

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<b>TR 33.941</b>	<b>Presence service; Security</b>								
Rel-6	<i>current version:</i> 0.5.0	DRAFT	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> BOMAN, Krister	Telefon AB LM Ericsson				
	<i>freeze_meeting:</i>		<i>G:</i> <i>U:</i> yes	<i>MCC:</i> POPE, Maurice					
	<i>history (event, available, version,</i>								
	S3-24	0 . 1 . 0	S3-020340		<i>remarks - general:</i>				
	S3-25	0 . 2 . 0	S3-020507, S3-020508		<i>remarks - this release:</i>	.			
	S3-26	0 . 3 . 0	S3-020621, S3-020622						
	S3-27	0 . 4 . 0	S3-030022, S3-030070, S3-030068						
	S3-28 08/07/2003	0 . 5 . 0	S3-030246, S3-030248	<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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Server ACTIVE specs Rel-6 34 .- series  
[http://www.3gpp.org/ftp/Specs/archive/34\\_series](http://www.3gpp.org/ftp/Specs/archive/34_series)

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**TS 34.131 Test specification for C-language binding for (U)SIM API**

Rel-6 *current version:* 6.0.0  
*freeze\_meeting:* TP-25  
*history (event, available, version,*

T3-13	0	.	1	.	0	
TP-17	24/09/2002	0	.	1	.	1 TP-020223
TP-17	19/09/2002	1	.	0	.	0
TP-19	24/03/2003	2	.	0	.	0 TP-030032
TP-19	26/03/2003	6	.	0	.	0

*WG (prime / other):* T3 / - *rapporteur:* GUTHERY, Scott B. Mobile-Mind Inc.  
*G: yes U: yes* *MCC:* DIETZE, Claus

*remarks - general:* Base spec is 31.131.  
*remarks - this release:* .

[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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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  
*freeze\_meeting:* SP-20  
*history (event, available, version,*

*WG (prime / other):* SP / *rapporteur:* MEREDITH, John M ETSI Secretariat  
*G: yes U:* *MCC:* POPE, Maurice

*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  
*freeze\_meeting:* SP-22  
*history (event, available, version,*

GP-12	03/01/2003	6	.	0	.	0
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*WG (prime / other):* G1 / N1 *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*G: yes U:* *MCC:* USAI, Paolino

*remarks - general:* Moved from SMG3 Jan 2000.  
*remarks - this release:* .

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[http://www.3gpp.org/ftp/Specs/archive/43\\_series](http://www.3gpp.org/ftp/Specs/archive/43_series)

<b>TS 43.055</b>	<b>Dual Transfer Mode (DTM); Stage 2</b>								
Rel-6	current version: 6.2.0			WG (prime / other): G1 / G2	rapporteur: CARRIZO MARTINEZ,	VODAFONE Group Plc			
	freeze_meeting:			G: yes U:	MCC: USAI, Paolino				
	history (event, available, version,								
	GP-13 21/02/2003	6 . 0 . 0		<a href="#">get it</a>	remarks - general:				
	GP-14 25/04/2003	6 . 1 . 0		<a href="#">get it</a>	remarks - this release: .				
	GP-16 12/09/2003	6 . 2 . 0		<a href="#">get it</a>					
<b>TS 43.059</b>	<b>Functional stage 2 description of Location Services (LCS) in GERAN</b>								
Rel-6	current version: 6.1.0			WG (prime / other): G1 / -	rapporteur: LIVINGSTON, Margaret	NOKIA Corporation			
	freeze_meeting:			G: yes U:	MCC: USAI, Paolino				
	history (event, available, version,								
	GP-14 25/04/2003	6 . 0 . 0		<a href="#">get it</a>	remarks - general:				
	GP-15 11/07/2003	6 . 1 . 0		<a href="#">get it</a>	remarks - this release: .				
<b>TS 43.064</b>	<b>Overall description of the GPRS radio interface; Stage 2</b>								
Rel-6	current version: 6.1.0			WG (prime / other): G1 / -	rapporteur: LEPPISAARI, Arto	NOKIA Corporation			
	freeze_meeting:			G: yes U:	MCC: USAI, Paolino				
	history (event, available, version,								
	GP-15 11/07/2003	6 . 0 . 0		<a href="#">get it</a>	remarks - general:				
	GP-16 12/09/2003	6 . 1 . 0		<a href="#">get it</a>	remarks - this release: .				
<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,								
	GP-13	0 . 1 . 0	GP-030181		remarks - general:	2003-05: G2 chair indicates that no separate stage 3 will be required, just changes			
	GP-13b	0 . 2 . 0	G2-030227		remarks - this release: .	to existing GERAN protocol specs.			
	GP-14 02/05/2003	0 . 2 . 1	GP-030726 Formal TS number allocated on upload	<a href="#">get it</a>					
	draft 17/06/2003	0 . 4 . 1		<a href="#">get it</a>					
	GP-15	0 . 5 . 0	GP-031108						
	draft 21/07/2003	0 . 6 . 0		<a href="#">get it</a>					

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Rel-6 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 44.003 Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities**

Rel-6 *current version:* 6.0.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* Peter Skov  
G: yes U: *MCC:* THOMASEN, Gert  
*history (event, available, version,*  
GP-15 10/07/2003 6 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 44.014 Individual equipment type requirements and interworking; Special conformance testing functions**

Rel-6 *current version:* 6.0.0 *WG (prime / other):* G2 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* G: yes U: *MCC:* THOMASEN, Gert  
*history (event, available, version,*  
GP-16 12/09/2003 6 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 44.018 Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol**

Rel-6 *current version:* 6.4.1 *WG (prime / other):* G2 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* SP-22 G: yes U: *MCC:* THOMASEN, Gert  
*history (event, available, version,*  
GP-12 17/12/2002 6 . 0 . 0 [get it](#) *remarks - general:*  
GP-13 21/02/2003 6 . 1 . 0 [get it](#) *remarks - this release:* .  
GP-14 28/04/2003 6 . 2 . 0 [get it](#)  
GP-15 10/07/2003 6 . 3 . 0 [get it](#)  
GP-16 12/09/2003 6 . 4 . 0 problem with ToC [get it](#)  
Fix ToC 6 . 4 . 1

---

**TS 44.031 Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)**

Rel-6 *current version:* 6.1.0 *WG (prime / other):* G2 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*freeze\_meeting:* G: yes U: *MCC:* THOMASEN, Gert  
*history (event, available, version,*  
GP-15 10/07/2003 6 . 0 . 0 [get it](#) *remarks - general:*  
GP-16 12/09/2003 6 . 1 . 0 [get it](#) *remarks - this release:* .

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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	<i>current version:</i> 6.4.0	<i>WG (prime / other):</i> G2 /	<i>rapporteur:</i> BLACK, Jyoti	MOTOROLA	
	<i>freeze_meeting:</i> SP-22	G: yes U:	MCC:	THOMASEN, Gert	
	<i>history (event, available, version,</i>				
	GP-12 17/12/2002	6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System
	GP-13 21/02/2003	6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	. (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol
	GP-14 29/04/2003	6 . 2 . 0	<a href="#">get it</a>		
	GP-15 10/07/2003	6 . 3 . 0	<a href="#">get it</a>		
	GP-16 13/09/2003	6 . 4 . 0	<a href="#">get it</a>		
<hr/>					
<b>TS 44.065</b>	<b>Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)</b>				
Rel-6	<i>current version:</i> 6.0.0	<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,</i>				
	NP-20 03/07/2003	6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	24.065 existed, but scrapped since 04.65 is GSM only.
				<i>remarks - this release:</i>	.
<hr/>					
<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 Iu mode</b>				
Rel-6	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> G2 /	<i>rapporteur:</i> N, A	Indicate persons who left Company and wait for new	
	<i>freeze_meeting:</i>			One	
	<i>history (event, available, version,</i>	G: yes U:	MCC:	THOMASEN, Gert	
	GP-15 10/07/2003	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 13/09/2003	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



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## TR 44.933 Seamless support of streaming services in GERAN A/Gb mode

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,*  
GP-12 0 . 1 . 0 *remarks - general:* Work item = SSSStrea.  
G2-12b 0 . 2 . 0 *remarks - this release:* .  
GP-13 0 . 3 . 0  
GP-14 0 . 4 . 0 GP-030654  
G2-14b 07/05/2003 0 . 5 . 0 (TR number not shown on doc) [get it](#)  
draft 17/06/2003 0 . 6 . 0 [get it](#)  
GP-15 15/07/2003 1 . 1 . 0 [get it](#)  
GP-16 10/09/2003 1 . 2 . 0 [get it](#)  
Update of section 12/09/2003 1 . 3 . 0 [get it](#)  
6.5.3

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

## TS 45.001 Physical layer on the radio path; General description

Rel-6 *current version:* 6.1.0 WG (prime / other): G1 / - *rapporteur:* JOKINEN, Harri NOKIA MOBILE PHONES  
*freeze\_meeting:* SP-22 G: yes U: MCC: USAI, Paolino  
*history (event, available, version,*  
GP-12 03/01/2003 6 . 0 . 0 [get it](#) *remarks - general:*  
GP-14 25/04/2003 6 . 1 . 0 [get it](#) *remarks - this release:* .

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

Rel-6 *current version:* 6.3.0 WG (prime / other): G1 / - *rapporteur:* SÉBIRE, Benoist NOKIA Corporation  
*freeze\_meeting:* G: yes U: MCC: USAI, Paolino  
*history (event, available, version,*  
GP-13 21/02/2003 6 . 0 . 0 [get it](#) *remarks - general:*  
GP-14 25/04/2003 6 . 1 . 0 [get it](#) *remarks - this release:* .  
GP-15 11/07/2003 6 . 2 . 0 [get it](#)  
GP-16 12/09/2003 6 . 3 . 0 [get it](#)

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<b>TS 45.003</b>	<b>Channel coding</b>								
Rel-6	<i>current version:</i> 6.0.0								
	<i>freeze_meeting:</i>								
	<i>history (event, available, version,</i>								
	GP-16 12/09/2003	6	.	0	.	0			
							<a href="#">get it</a>	<i>remarks - general:</i>	
								<i>remarks - this release:</i>	.
<hr/>									
<b>TS 45.005</b>	<b>Radio transmission and reception</b>								
Rel-6	<i>current version:</i> 6.3.0								
	<i>freeze_meeting:</i> SP-22								
	<i>history (event, available, version,</i>								
	GP-12 03/01/2003	6	.	0	.	0			
	GP-13 21/02/2003	6	.	1	.	0			
	GP-14 25/04/2003	6	.	2	.	0			
	GP-16 12/09/2003	6	.	3	.	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 45.008</b>	<b>Radio subsystem link control</b>								
Rel-6	<i>current version:</i> 6.4.0								
	<i>freeze_meeting:</i> SP-22								
	<i>history (event, available, version,</i>								
	GP-12 03/01/2003	6	.	0	.	0			
	GP-13 21/02/2003	6	.	1	.	0			
	GP-14 25/04/2003	6	.	2	.	0			
	GP-15 11/07/2003	6	.	3	.	0			
	GP-16 12/09/2003	6	.	4	.	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 45.010</b>	<b>Radio subsystem synchronization</b>								
Rel-6	<i>current version:</i> 6.2.0								
	<i>freeze_meeting:</i>								
	<i>history (event, available, version,</i>								
	GP-14 25/04/2003	6	.	0	.	0			
	GP-15 11/07/2003	6	.	1	.	0			
	GP-16 12/09/2003	6	.	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>		

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

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**TR 45.050 Background for RF Requirements**

Rel-6 *current version:* 6.0.0  
*freeze\_meeting:* SP-22

*WG (prime / other):* G1 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
*G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version,*  
GP-12 03/01/2003 6 . 0 . 0

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

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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  
*freeze\_meeting:* SP-11

*WG (prime / other):* G1 / *rapporteur:* GROSS, Robert TruePosition Inc.  
*G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version,*  
GP-10 19/07/2002 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:* 6.2.0  
*freeze\_meeting:* SP-22

*WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist NOKIA Corporation  
*G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version,*  
draft 0 . 0 . 0  
GP-12 26/11/2002 0 . 3 . 0 GP-023427  
GP-13 13/02/2003 0 . 4 . 0 GP 030193  
GP-13 13/02/2003 1 . 0 . 0  
GP-14 25/04/2003 6 . 0 . 0  
GP-15 11/07/2003 6 . 1 . 0  
GP-16 12/09/2003 6 . 2 . 0

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

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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 48.008</b>	<b>Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification</b>				
Rel-6	<i>current version:</i> 6.3.0 <i>freeze_meeting:</i> SP-22	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version,</i>				
	GP-12 17/12/2002 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	GP-13 21/02/2003 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release: .</i>		
	GP-15 10/07/2003 6 . 2 . 0	<a href="#">get it</a>			
	GP-16 12/09/2003 6 . 3 . 0	<a href="#">get it</a>			
<hr/>					
<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	<i>current version:</i> 6.2.0 <i>freeze_meeting:</i>	<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,</i>				
	GP-13 21/02/2003 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	GP-14 29/04/2003 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release: .</i>		
	GP-15 10/07/2003 6 . 2 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 48.058</b>	<b>Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification</b>				
Rel-6	<i>current version:</i> 6.0.0 <i>freeze_meeting:</i>	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version,</i>				
	GP-16 12/09/2003 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release: .</i>		
<hr/>					
<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	<i>current version:</i> 6.2.0 <i>freeze_meeting:</i>	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version,</i>				
	GP-14 29/04/2003 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	GP-15 10/07/2003 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release: .</i>		
	GP-16 12/09/2003 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

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

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

**TS 49.031 Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)**

Rel-6 current version: 6.0.0 WG (prime / other): G2 / - rapporteur: ANDERSEN, Niels MOTOROLA A/S  
freeze\_meeting: Peter Skov

G: yes U: MCC: THOMASEN, Gert

history (event, available, version,  
GP-15 10/07/2003 6 . 0 . 0

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

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

**TR 50.099 GERAN project plan and open issues**

Rel-6 current version: 0.1.6 DRAFT WG (prime / other): GP / - rapporteur: BLADSSJO, David Telefon AB LM Ericsson  
freeze\_meeting: USAI, Paolino

history (event, available, version,  
draft 20/03/2002 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.

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

**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: USAI, Paolino

history (event, available, version,  
GP-13 21/02/2003 6 . 0 . 0  
GP-15 11/07/2003 6 . 1 . 0

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

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

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

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

**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: SP-22 G: yes U: MCC: ZOICAS, Adrian  
history (event, available, version, draft 15/07/2003 0 . 1 . 2

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

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

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

**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: 6.1.0 WG (prime / other): S3 / rapporteur: N, A Indicate persons who left Company and wait for new One  
freeze\_meeting: SP-20 G: yes U: MCC: POPE, Maurice  
history (event, available, version, SP-17 22/07/2002 1 . 0 . 0 SP-020506 pars for approval [get it](#) remarks - general:  
SP-17 18/09/2002 6 . 0 . 0 [get it](#) remarks - this release: .  
SP-18 18/12/2002 6 . 1 . 0 [get it](#)

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[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>WG (prime / other):</i> S3 /	<i>rapporteur:</i> N, A						Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i> SP-20								
		<i>G: yes</i>	<i>U:</i>		<i>MCC:</i>				POPE, Maurice
	<i>history (event, available, version,</i>								
	SP-17 22/07/2002	1 . 0 . 0		SP-020506 pars for approval	<a href="#">get it</a>			<i>remarks - general:</i>	
	SP-17 18/09/2002	6 . 0 . 0			<a href="#">get it</a>			<i>remarks - this release:</i> .	
	SP-18 18/12/2002	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>WG (prime / other):</i> S3 /	<i>rapporteur:</i> N, A						Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i> SP-20								
		<i>G: yes</i>	<i>U:</i>		<i>MCC:</i>				POPE, Maurice
	<i>history (event, available, version,</i>								
	SP-17 22/07/2002	1 . 0 . 0		SP-020506 pars for approval	<a href="#">get it</a>			<i>remarks - general:</i>	
	SP-17 18/09/2002	6 . 0 . 0			<a href="#">get it</a>			<i>remarks - this release:</i> .	
	SP-18 18/12/2002	6 . 1 . 0			<a href="#">get it</a>				

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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>WG (prime / other):</i> S3 /	<i>rapporteur:</i> N, A						Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i> SP-20								
		<i>G: yes</i>	<i>U:</i>		<i>MCC:</i>				POPE, Maurice
	<i>history (event, available, version,</i>								
	SP-17 22/07/2002	1 . 0 . 0		SP-020506 pars for approval	<a href="#">get it</a>			<i>remarks - general:</i>	
	SP-17 18/09/2002	6 . 0 . 0			<a href="#">get it</a>			<i>remarks - this release:</i> .	
	SP-18 18/12/2002	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> 5.4.0	<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,</i>								
	SP-20 25/06/2003 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				
				<i>remarks - this release:</i>	. Specifications".				
<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>	DIETZE, Claus				
	<i>history (event, available, version,</i>								
	TP-16 19/06/2002 5 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>					
	TP-17 18/09/2002 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> 5.0.2	<i>WG (prime / other):</i>	SP / -	<i>rapporteur:</i>	MEREDITH, John M	ETSI Secretariat			
	<i>freeze_meeting:</i> SP-15	<i>G:</i> yes	U: yes	<i>MCC:</i>	POPE, Maurice				
	<i>history (event, available, version,</i>								
	SP-16 24/06/2002 5 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>					
	edito 19/07/2002 5 . 0 . 1	<a href="#">get it</a>		<i>remarks - this release:</i>	.				
	edito 15/05/2003 5 . 0 . 2	<a href="#">get it</a>							
<hr/>									
<b>TR 21.900</b>	<b>Technical Specification Group working methods</b>								
Rel-5	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i>	SP / -	<i>rapporteur:</i>	MEREDITH, John M	ETSI Secretariat			
	<i>freeze_meeting:</i> SP-15	<i>G:</i> yes	U: yes	<i>MCC:</i>	POPE, Maurice				
	<i>history (event, available, version,</i>								
	SP-16 24/06/2002 5 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>					
	edito post SP-17 18/09/2002 5 . 0 . 1	corrects Release id on cover page	<a href="#">get it</a>	<i>remarks - this release:</i>	.				

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Server ACTIVE specs Rel-5 21 .- series  
[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-5 *current version:* 5.7.0  
*freeze\_meeting:* SP-15  
*history (event, available, version,*

SP-12	27/06/2001	5	.	0	.	0
SP-13	05/10/2001	5	.	1	.	0
SP-14	10/01/2002	5	.	2	.	0
SP-15	25/03/2002	5	.	3	.	0
SP-16	04/07/2002	5	.	4	.	0
SP-17	16/09/2002	5	.	5	.	0
SP-19	25/03/2003	5	.	6	.	0
SP-20	18/06/2003	5	.	7	.	0

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

T-Mobile (UK) Ltd

[get it](#) *remarks - general:*  
*remarks - this release:* .  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[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  
*freeze\_meeting:* SP-16  
*history (event, available, version,*

SP-16	19/07/2002	5	.	0	.	0
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*WG (prime / other):* S1 / - *rapporteur:* KOKKOLA, Tommi  
*G:* yes *U:* yes *MCC:* CLAYTON, Michael

NOKIA Corporation

[get it](#) *remarks - general:* Transfer>TSG#5  
*remarks - this release:* .

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## TS 22.002 Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* SP-16  
*history (event, available, version,*

SP-16	04/07/2002	5	.	0	.	0
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*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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Server ACTIVE specs Rel-5 22 .- series  
[http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

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<b>TS 22.003</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,</i>								
	SP-14 10/01/2002 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#5			
	SP-15 25/03/2002 5 . 1 . 0				<a href="#">get it</a>	<i>remarks - this release:</i> .			
	SP-16 04/07/2002 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,</i>								
	SP-16 19/07/2002 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> GALLAIRE, Jean Paul	France Telecom					
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version,</i>								
	SP-16 19/07/2002 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-17 17/09/2002 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,</i>								
	SP-16 19/07/2002 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
						<i>remarks - this release:</i> .			
<hr/>									
<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	G: yes U: yes	<i>MCC:</i> POPE, Maurice						
	<i>history (event, available, version,</i>								
	SP-17 18/09/2002 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> .			

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<b>TS 22.024</b>	<b>Description of Charge Advice Information (CAI)</b>					
Rel-5	current version: 5.0.0	WG (prime / other):	S1 / -	rapporteur:	DWYER, Paul	NORTEL NETWORKS (EUROPE)
	freeze_meeting: SP-16	G: yes	U: yes	MCC:	CLAYTON, Michael	
	history (event, available, version, SP-16 19/07/2002 5 . 0 . 0			<a href="#">get it</a>	remarks - general:	Transfer>TSG#4,CR at TSG#5
					remarks - this release:	.
<hr/>						
<b>TS 22.030</b>	<b>Man-Machine Interface (MMI) of the User Equipment (UE)</b>					
Rel-5	current version: 5.0.0	WG (prime / other):	S1 / -	rapporteur:	TOIVANEN, Annukka	NOKIA Corporation
	freeze_meeting: SP-16	G: yes	U: yes	MCC:	CLAYTON, Michael	
	history (event, available, version, SP-16 19/07/2002 5 . 0 . 0			<a href="#">get it</a>	remarks - general:	Transfer>TSG#4
					remarks - this release:	.
<hr/>						
<b>TS 22.031</b>	<b>Fraud Information Gathering System (FIGS); Service description; Stage 1</b>					
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-18	G: yes	U: yes	MCC:	POPE, Maurice	
	history (event, available, version, SP-18 06/01/2003 5 . 0 . 0	Technically identical to 43.031 v5.0.0.		<a href="#">get it</a>	remarks - general:	SP-18: decided FIGS is joint GERAN/UTRAN so 02.31 R99 and 42.031 Rel-4 & Rel-5 -> 22.031.
					remarks - this release:	.
<hr/>						
<b>TS 22.032</b>	<b>Immediate Service Termination (IST); Service description; Stage 1</b>					
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-16	G: yes	U: yes	MCC:	POPE, Maurice	
	history (event, available, version, SP-16 24/06/2002 5 . 0 . 0			<a href="#">get it</a>	remarks - general:	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards).
					remarks - this release:	.
<hr/>						
<b>TS 22.034</b>	<b>High Speed Circuit Switched Data (HSCSD); Stage 1</b>					
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, SP-16 19/07/2002 5 . 0 . 0			<a href="#">get it</a>	remarks - general:	Transfer>TSG#4
					remarks - this release:	.

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<b>TS 22.038</b>	<b>USIM/SIM Application Toolkit (USAT/SAT); 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	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version,</i>								
	SP-09 18/10/2000	5 . 0 . 0							
	SP-10 08/01/2001	5 . 1 . 0					<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4
	SP-12 27/06/2001	5 . 2 . 0					<a href="#">get it</a>	<i>remarks - this release:</i>	
	SP-20 18/06/2003	5 . 3 . 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>	WOLAK, Stephen	VODAFONE Group Plc			
	<i>freeze_meeting:</i> SP-16	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version,</i>								
	SP-16 19/07/2002	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>	DAHLKVIST, Mikael	ERICSSON MOBILE COMMUNICATIONS AB			
	<i>freeze_meeting:</i> SP-16	G: yes U: yes		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version,</i>								
	SP-16 19/07/2002	5 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4
	SP-20 18/06/2003	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>	DIETZE, Claus				
	<i>history (event, available, version,</i>								
	TP-20 23/06/2003	5 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i>	TP-12: was previously 42.048.
		technically identical to v4.0.0						<i>remarks - this release:</i>	.
<hr/>									
<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	G: yes U: yes		<i>MCC:</i>	USAI, Paolino				
	<i>history (event, available, version,</i>								
	SP-16 28/06/2002	5 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4.
								<i>remarks - this release:</i>	.

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## TS 22.057 Mobile Execution Environment (MExE) service description; Stage 1

Rel-5 *current version:* 5.4.0 *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,*  
SP-09 18/10/2000 5 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution  
SP-11 02/04/2001 5 . 1 . 0 [get it](#) *remarks - this release:* Environment (MExE); Stage 1".  
SP-13 05/10/2001 5 . 2 . 0 [get it](#)  
SP-15 25/03/2002 5 . 3 . 0 [get it](#)  
edito post SP-15 04/04/2002 5 . 3 . 1 [get it](#)  
SP-16 04/07/2002 5 . 4 . 0 [get it](#)

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## TS 22.060 General Packet Radio Service (GPRS); Service description; Stage 1

Rel-5 *current version:* 5.3.0 *WG (prime / other):* S1 / - *rapporteur:* CARPENTER, Paul Research In Motion Limited  
*freeze\_meeting:* SP-15 *G: yes U: yes* *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
SP-13 05/10/2001 5 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4  
SP-15 25/03/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
SP-16 04/07/2002 5 . 2 . 0 [get it](#)  
SP-19 25/03/2003 5 . 3 . 0 [get it](#)

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## TS 22.066 Support of Mobile Number Portability (MNP); Stage 1

Rel-5 *current version:* 5.1.0 *WG (prime / other):* S1 / - *rapporteur:* CLAYTON, Michael EMCOM Ltd  
*freeze\_meeting:* SP-16 *G: yes U: yes* *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
SP-16 19/07/2002 5 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4  
SP-20 18/06/2003 5 . 1 . 0 [get it](#) *remarks - this release:* .

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## TS 22.067 enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1

Rel-5 *current version:* 5.0.0 *WG (prime / other):* S1 / - *rapporteur:* SWETINA, Joerg SIEMENS AG  
*freeze\_meeting:* SP-16 *G: yes U: yes* *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
SP-16 19/07/2002 5 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4  
*remarks - this release:* .

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**TS 22.071 Location Services (LCS); Stage 1**

Rel-5 *current version:* 5.1.1  
*freeze\_meeting:* SP-15  
*history (event, available, version,*  
SP-14 10/01/2002 5 . 0 . 0  
SP-15 25/03/2002 5 . 1 . 0  
*edito post* SP-15 04/04/2002 5 . 1 . 1

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

SBC Communications Inc.

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

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**TS 22.072 Call Deflection (CD); Stage 1**

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* SP-16  
*history (event, available, version,*  
SP-16 19/07/2002 5 . 0 . 0

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

T-MOBILE DEUTSCHLAND

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

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**TS 22.076 Noise suppression for the AMR codec; Service description; Stage 1**

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* SP-16  
*history (event, available, version,*  
SP-16 28/06/2002 5 . 0 . 0

*WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino  
*G: yes U: yes* *MCC:* USAI, Paolino

TELECOM ITALIA S.p.A.

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

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

Rel-5 *current version:* 5.10.0

*WG (prime / other):* S1 / -

*rapporteur:* GRECH, Michel

Lucent Technologies Network Systems UK

*freeze\_meeting:* SP-15

*G:* yes *U:* yes

*MCC:* CLAYTON, Michael

*history (event, available, version,*

SP-09 09/11/2000 5 . 0 . 0 unclear how to implement CR

[get it](#)

*remarks - general:*

SP-10 08/01/2001 5 . 1 . 0

[get it](#)

*remarks - this release:*

SP-11 02/04/2001 5 . 2 . 0

[get it](#)

SP-12 27/06/2001 5 . 3 . 0

[get it](#)

SP-13 05/10/2001 5 . 4 . 0

[get it](#)

SP-14 10/01/2002 5 . 5 . 0

[get it](#)

SP-15 25/03/2002 5 . 6 . 0

[get it](#)

SP-16 04/07/2002 5 . 7 . 0

[get it](#)

SP-17 17/09/2002 5 . 8 . 0

[get it](#)

SP-18 18/12/2002 5 . 9 . 0

[get it](#)

edito (fix missing headers/footers)

SP-19 25/03/2003 5 . 10 . 0

[get it](#)

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**TS 22.079 Support of optimal routing; Stage 1**

Rel-5 *current version:* 5.0.0

*WG (prime / other):* S1 / -

*rapporteur:* CLAYTON, Michael

EMCOM Ltd

*freeze\_meeting:* SP-16

*G:* yes *U:* yes

*MCC:* CLAYTON, Michael

*history (event, available, version,*

SP-16 19/07/2002 5 . 0 . 0

[get it](#)

*remarks - general:* Transfer>TSG#4

*remarks - this release:* .

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**TS 22.081 Line Identification supplementary services; Stage 1**

Rel-5 *current version:* 5.0.0

*WG (prime / other):* S1 / -

*rapporteur:* AHNBERG, Tomas

Indicate persons who left Company and wait for new One

*freeze\_meeting:* SP-16

*G:* yes *U:* yes

*MCC:* CLAYTON, Michael

*history (event, available, version,*

SP-16 19/07/2002 5 . 0 . 0

[get it](#)

*remarks - general:* Transfer>TSG#4

*remarks - this release:* .

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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> EVEN, Anne	France Telecom		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	SP-16 19/07/2002 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,</i>					
	SP-16 19/07/2002 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 (MPTY) supplementary service; 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,</i>					
	SP-16 19/07/2002 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> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	SP-16 19/07/2002 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> DWYER, Paul	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	SP-16 19/07/2002 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> BRADEN, Christian	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i> SP-16 19/07/2002 5 . 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-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,</i> SP-16 19/07/2002 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4 <i>remarks - this release:</i> .
<hr/>						
<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> KOKKOLA, Tommi	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i> SP-16 19/07/2002 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> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i> SP-16 19/07/2002 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,</i> SP-16 19/07/2002 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> BERGMANN, Ansgar	Deutsche Telekom AG			
	<i>freeze_meeting:</i> SP-16			G: yes U: yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version,</i>								
	SP-16 19/07/2002 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				
					<i>remarks - this release:</i> . scrap 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> CLAYTON, Michael	EMCOM Ltd			
	<i>freeze_meeting:</i> SP-16			G: yes U: yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version,</i>								
	SP-16 19/07/2002 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> DWYER, Paul	NORTEL NETWORKS (EUROPE)			
	<i>freeze_meeting:</i> SP-16			G: yes U: yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version,</i>								
	SP-16 19/07/2002 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4				
					<i>remarks - this release:</i> .				
<hr/>									
<b>TS 22.101</b>	<b>Service aspects; Service principles</b>								
Rel-5	<i>current version:</i> 5.10.0			<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> DWYER, Paul	NORTEL NETWORKS (EUROPE)			
	<i>freeze_meeting:</i> SP-15			G: U: yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version,</i>								
	SP-09 18/10/2000 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-10 08/01/2001 5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>				
	SP-11 02/04/2001 5 . 2 . 0			<a href="#">get it</a>					
	SP-12 27/06/2001 5 . 3 . 0			<a href="#">get it</a>					
	SP-13 05/10/2001 5 . 4 . 0			<a href="#">get it</a>					
	SP-15 25/03/2002 5 . 5 . 0			<a href="#">get it</a>					
	SP-16 04/07/2002 5 . 6 . 0			<a href="#">get it</a>					
	SP-17 17/09/2002 5 . 7 . 0			<a href="#">get it</a>					
	SP-18 18/12/2002 5 . 8 . 0			<a href="#">get it</a>					
	SP-19 25/03/2003 5 . 9 . 0			<a href="#">get it</a>					
	SP-20 18/06/2003 5 . 10 . 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> EVEN, Anne		France Telecom
	<i>freeze_meeting:</i> SP-15		G: U: yes	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>					
	SP-13 05/10/2001 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	SP-15 25/03/2002 5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> .	
	SP-16 04/07/2002 5 . 2 . 0			<a href="#">get it</a>		
<hr/>						
<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		G: U: yes	<i>MCC:</i> DIETZE, Claus		
	<i>history (event, available, version,</i>					
	TP-13 12/10/2001 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i> .	
<hr/>						
<b>TS 22.115</b>	<b>Service Aspects Charging and billing</b>					
Rel-5	<i>current version:</i> 5.3.0		<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> MONTEGROSSO, Emanuele		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,</i>					
	SP-11 02/04/2001 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	SP-12 27/06/2001 5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	
	SP-15 28/03/2002 5 . 2 . 0			<a href="#">get it</a>		
	SP-20 18/06/2003 5 . 3 . 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> OGUNBEKUN, Jumoke		FUJITSU Laboratories of Europe Limited
	<i>freeze_meeting:</i> SP-15		G: yes U: yes	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>					
	SP-11 02/04/2001 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Former title: "Provision of Services in UMTS - The Virtual Home Environment;	
	SP-12 27/06/2001 5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> Stage 1". SP-16: converted from TS to TR.	
	SP-14 10/01/2002 5 . 2 . 0			<a href="#">get it</a>		
	SP-15 28/03/2002 5 . 3 . 0			<a href="#">get it</a>		
	SP-16 19/07/2002 5 . 3 . 1	Converted 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

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

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**TS 22.127 Service Requirement for the Open Services Access (OSA); Stage 1**

Rel-5 *current version:* 5.5.0 *WG (prime / other):* S1 / - *rapporteur:* SWETINA, Joerg SIEMENS AG  
*freeze\_meeting:* SP-15 *G:* *U:* yes *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
SP-12 27/06/2001 5 . 0 . 0 [get it](#) *remarks - general:*  
SP-13 05/10/2001 5 . 1 . 0 [get it](#) *remarks - this release:* .  
edito 09/10/2001 5 . 1 . 1 [get it](#)  
SP-14 10/01/2002 5 . 2 . 0 [get it](#)  
SP-15 29/03/2002 5 . 3 . 0 [get it](#)  
SP-16 04/07/2002 5 . 4 . 0 [get it](#)  
SP-18 18/12/2002 5 . 5 . 0 [get it](#)

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**TS 22.129 Handover requirements between UTRAN and GERAN or other radio systems**

Rel-5 *current version:* 5.2.0 *WG (prime / other):* S1 / - *rapporteur:* SAMPSON, Nick ORANGE PCS LTD  
*freeze\_meeting:* SP-15 *G:* yes *U:* yes *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
SP-13 05/10/2001 5 . 0 . 0 [get it](#) *remarks - general:*  
SP-14 10/01/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
SP-16 04/07/2002 5 . 2 . 0 [get it](#)

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**TS 22.135 Multicall; Service description; Stage 1**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* S1 / - *rapporteur:* KOKKOLA, Tommi NOKIA Corporation  
*freeze\_meeting:* SP-16 *G:* *U:* yes *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
SP-16 19/07/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 22.140 Multimedia Messaging Service (MMS); Stage 1**

Rel-5 *current version:* 5.4.0 *WG (prime / other):* S1 / - *rapporteur:* LAUMEN, Josef SIEMENS AG  
*freeze\_meeting:* SP-15 *G:* *U:* yes *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
SP-14 10/01/2002 5 . 0 . 0 [get it](#) *remarks - general:* (development in T2)  
SP-15 28/03/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
SP-16 04/07/2002 5 . 2 . 0 [get it](#)  
SP-17 17/09/2002 5 . 3 . 0 [get it](#)  
SP-18 20/12/2002 5 . 4 . 0 [get it](#)

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

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[http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

## TS 22.226 Global text telephony (GTT); Stage 1: Service description

Rel-5 *current version:* 5.2.0 *WG (prime / other):* S1 / - *rapporteur:* HELLSTROM, Gunnar Omnitor AB  
*freeze\_meeting:* SP-15 *G:* yes *U:* yes *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
SP-09 27/11/2000 1 . 0 . 0 [get it](#) *remarks - general:* SP-16: to "GERAN" set.  
SP-12 27/06/2001 2 . 0 . 0 SP-010266 [get it](#) *remarks - this release:* WI approved TSG#7  
SP-12 27/06/2001 5 . 0 . 0 [get it](#)  
SP-13 05/10/2001 5 . 1 . 0 [get it](#)  
SP-15 28/03/2002 5 . 2 . 0 [get it](#)

## 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,*  
SP-09 28/09/2000 1 . 0 . 0 [get it](#) *remarks - general:*  
SP-10 12/01/2001 5 . 0 . 0 [get it](#) *remarks - this release:* Clayton 2000-10-16: Rel-5 confirmed.  
SP-11 02/04/2001 5 . 1 . 0 [get it](#)  
SP-12 27/06/2001 5 . 2 . 0 [get it](#)  
SP-13 05/10/2001 5 . 3 . 0 [get it](#)  
SP-14 10/01/2002 5 . 4 . 0 [get it](#)  
SP-15 28/03/2002 5 . 5 . 0 [get it](#)  
SP-16 19/07/2002 5 . 6 . 0 [get it](#)

## 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:* WOLAK, Stephen VODAFONE Group Plc  
*freeze\_meeting:* SP-16 *G:* *U:* yes *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
S1-12 0 . 1 . 0 *remarks - general:*  
S1-13 0 . 2 . 0 *remarks - this release:* .  
S1-14 0 . 3 . 0  
SP-14 02/01/2002 1 . 0 . 0 SP-010733 [get it](#)  
SP-15 19/03/2002 2 . 0 . 0 SP-020062 [get it](#)  
SP-15 27/03/2002 5 . 0 . 0 [get it](#)

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## TR 22.944 Service requirements for UE functionality split

Rel-5 *current version:* 5.1.0  
*freeze\_meeting:* SP-15  
*history (event, available, version,*

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

WG (prime / other): S1 /  
G: U: yes  
rapporteur: GUPTA, Sanjay  
MCC: CLAYTON, Michael

MOTOROLA Ltd

Rel-5 23 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/23\\_series](http://www.3gpp.org/ftp/Specs/archive/23_series)

## TS 23.002 Network architecture

Rel-5 *current version:* 5.11.0  
*freeze\_meeting:* SP-15  
*history (event, available, version,*

SP-09	18/10/2000	5	.	0	.	0
SP-10	21/12/2000	5	.	1	.	0
SP-11	06/04/2001	5	.	2	.	0
SP-12	12/07/2001	5	.	3	.	0
SP-13	12/10/2001	5	.	4	.	0
SP-14	07/01/2002	5	.	5	.	0
SP-15	02/04/2002	5	.	6	.	0
SP-16	17/06/2002	5	.	7	.	0
SP-17	24/09/2002	5	.	8	.	0
SP-18	10/01/2003	5	.	9	.	0
SP-19	27/03/2003	5	.	10	.	0
SP-20	20/06/2003	5	.	11	.	0

WG (prime / other): S2 / -  
G: yes U: yes  
rapporteur: SULTAN, Alain  
MCC: YOON, Sang-Ui

SOURCE COM

[get it](#) remarks - general: Transfer>TSG#4,CR at TSG#5  
[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

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## TS 23.003 Numbering, Addressing and Identification

Rel-5 *current version:* 5.6.0  
*freeze\_meeting:* NP-15

*WG (prime / other):* N4 / - *rapporteur:* RUSSELL, Nick VODAFONE LTD  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*  
NP-12 27/06/2001 5 . 0 . 0  
NP-13 03/10/2001 5 . 1 . 0  
NP-14 11/01/2002 5 . 2 . 0  
NP-16 21/06/2002 5 . 3 . 0  
NP-17 17/09/2002 5 . 4 . 0  
NP-18 07/01/2003 5 . 5 . 0  
post NP-18 fix 10/01/2003 5 . 5 . 1  
corrupted figures  
pp24 ff  
NP-20 27/06/2003 5 . 6 . 0

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

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## TS 23.007 Restoration procedures

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* NP-15

*WG (prime / other):* N4 / - *rapporteur:* RUSSELL, Nick VODAFONE LTD  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*  
NP-16 21/06/2002 5 . 0 . 0

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

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## TS 23.008 Organisation of subscriber data

Rel-5 *current version:* 5.5.0  
*freeze\_meeting:* NP-15

*WG (prime / other):* N4 / - *rapporteur:* BAUER, Rolf ALCATEL SEL AG  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*  
NP-15 28/03/2002 5 . 0 . 0  
NP-16 21/06/2002 5 . 1 . 0  
NP-17 17/09/2002 5 . 2 . 0  
NP-18 07/01/2003 5 . 3 . 0  
NP-19 04/04/2003 5 . 4 . 0  
NP-20 27/06/2003 5 . 5 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* .  
[get it](#)  
[get it](#)  
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<b>TS 23.009</b>	<b>Handover procedures</b>								
Rel-5	<i>current version:</i> 5.5.0								
	<i>freeze_meeting:</i> NP-15								
	<i>history (event, available, version,</i>								
	NP-14 08/01/2002	5	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
	NP-16 20/06/2002	5	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> .
	NP-17 17/09/2002	5	.	2	.	0		<a href="#">get it</a>	
	NP-18 02/01/2003	5	.	3	.	0		<a href="#">get it</a>	
	NP-19 24/03/2003	5	.	4	.	0		<a href="#">get it</a>	
	NP-20 27/06/2003	5	.	5	.	0		<a href="#">get it</a>	
<b>TS 23.011</b>	<b>Technical realization of Supplementary Services</b>								
Rel-5	<i>current version:</i> 5.0.0								
	<i>freeze_meeting:</i> NP-15								
	<i>history (event, available, version,</i>								
	NP-16 24/06/2002	5	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
									<i>remarks - this release:</i> .
<b>TS 23.012</b>	<b>Location management procedures</b>								
Rel-5	<i>current version:</i> 5.1.0								
	<i>freeze_meeting:</i> NP-15								
	<i>history (event, available, version,</i>								
	NP-15 28/03/2002	5	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
	NP-20 01/07/2003	5	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> .
<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>freeze_meeting:</i> NP-15								
	<i>history (event, available, version,</i>								
	NP-16 26/06/2002	5	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i> Should not be in UMTS ????
	NP-17 17/09/2002	5	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> .

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<b>TS 23.015</b>	<b>Technical realisation of Operator Determined Barring (ODB)</b>								
Rel-5	<i>current version:</i> 5.0.0 <i>freeze_meeting:</i> NP-15	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David Chalmers	VODAFONE LTD					
	<i>history (event, available, version,</i> NP-16 24/06/2002 5 . 0 . 0	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> KYMALAINEN, Kimmo			<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> 5.2.0 <i>freeze_meeting:</i> NP-15	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich Chalmers	Gesellschaft für Kommunikations Software					
	<i>history (event, available, version,</i> NP-15 28/03/2002 5 . 0 . 0 NP-16 21/06/2002 5 . 1 . 0 NP-17 17/09/2002 5 . 2 . 0	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> KYMALAINEN, Kimmo			<a href="#">get it</a> <a href="#">get it</a> <a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .		
<hr/>									
<b>TS 23.018</b>	<b>Basic Call Handling; Technical realization</b>								
Rel-5	<i>current version:</i> 5.7.0 <i>freeze_meeting:</i> NP-15	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David Chalmers	VODAFONE LTD					
	<i>history (event, available, version,</i> NP-12 27/06/2001 5 . 0 . 0 NP-13 03/10/2001 5 . 1 . 0 NP-14 16/01/2002 5 . 2 . 0 NP-15 28/03/2002 5 . 3 . 0 NP-17 17/09/2002 5 . 4 . 0 NP-18 07/01/2003 5 . 5 . 0 NP-19 04/04/2003 5 . 6 . 0 NP-20 27/06/2003 5 . 7 . 0	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> KYMALAINEN, Kimmo			<a href="#">get it</a> <a href="#">get it</a> <a href="#">get it</a> <a href="#">get it</a> <a href="#">get it</a> <a href="#">get it</a> <a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .		
<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>freeze_meeting:</i> SP-18	<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,</i> SP-18 06/01/2003 5 . 0 . 0	<i>G:</i> yes <i>U:</i> yes	<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 & <i>remarks - this release:</i> Created from 43.031 Rel-5. Rel-5 -> 23.031.		

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<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	G: yes U: yes	<i>MCC:</i> YOON, Sang-Ui		
	<i>history (event, available, version,</i>				
	SP-19 27/03/2003 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	G: yes U: yes	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version,</i>				
	NP-16 26/06/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-18 18/12/2002 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	NP-19 24/03/2003 5 . 2 . 0	<a href="#">get it</a>			
<hr/>					
<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	G: yes U: yes	<i>MCC:</i> POPE, Maurice		
	<i>history (event, available, version,</i>				
	SP-16 24/06/2002 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 18/09/2002 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	G: yes U: yes	<i>MCC:</i> RODERMUND, Friedhelm		
	<i>history (event, available, version,</i>				
	TP-15 21/03/2002 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	G: yes U: yes	<i>MCC:</i> RODERMUND, Friedhelm		
	<i>history (event, available, version,</i>				
	TP-16 02/07/2002 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 w ith UMTS

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## TS 23.040 Technical realization of Short Message Service (SMS)

Rel-5 *current version:* 5.6.1  
*freeze\_meeting:* TP-15

*WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*G: yes U: yes* *MCC:* RODERMUND, Friedhelm

*history (event, available, version,*

NP-12 05/07/2001 5 . 0 . 0  
TP-13 03/10/2001 5 . 1 . 0  
TP-14 11/01/2002 5 . 2 . 0  
TP-15 26/03/2002 5 . 3 . 0  
TP-16 05/07/2002 5 . 4 . 0  
TP-17 18/09/2002 5 . 5 . 0

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

post TP-17: adds 24/09/2002 5 . 5 . 1

[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

test vector file

TP-20 26/06/2003 5 . 6 . 0 figures 15h & g illegible  
TP-20 5 . 6 . 1 fixes illegible figures

[get it](#)

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## TS 23.041 Technical realization of Cell Broadcast Service (CBS)

Rel-5 *current version:* 5.1.0  
*freeze\_meeting:* TP-16

*WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*G: yes U: yes* *MCC:* RODERMUND, Friedhelm

*history (event, available, version,*

TP-16 26/06/2002 5 . 0 . 0  
TP-19 24/03/2003 5 . 1 . 0

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

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## TS 23.042 Compression algorithm for SMS

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* TP-15

*WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*G: yes U: yes* *MCC:* RODERMUND, Friedhelm

*history (event, available, version,*

TP-16 26/06/2002 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

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**TS 23.048 Security mechanisms for the (U)SIM application toolkit; Stage 2**

Rel-5 *current version:* 5.7.0 *WG (prime / other):* T3 / - *rapporteur:* BARNES, Nigel MOTOROLA Ltd  
*freeze\_meeting:* TP-15 *G:* yes *U:* yes *MCC:* DIETZE, Claus  
*history (event, available, version,*  
TP-12 06/07/2001 5 . 0 . 0 [get it](#) *remarks - general:* TP-12: replaces 43.048. TP-15: For test spec, see 31.048,  
TP-13 12/10/2001 5 . 1 . 0 [get it](#) *remarks - this release:* .  
TP-14 17/01/2002 5 . 2 . 0 [get it](#)  
TP-15 28/03/2002 5 . 3 . 0 [get it](#)  
TP-17 23/09/2002 5 . 4 . 0 [get it](#)  
TP-18 02/01/2003 5 . 5 . 0 [get it](#)  
TP-19 26/03/2003 5 . 6 . 0 [get it](#)  
TP-20 23/06/2003 5 . 7 . 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,*  
SP-16 28/06/2002 5 . 0 . 0 [get it](#) *remarks - general:* No draft.  
*remarks - this release:* .

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**TS 23.057 Mobile Execution Environment (MExE); Functional description; Stage 2**

Rel-5 *current version:* 5.1.0 *WG (prime / other):* T2 / - *rapporteur:* BRENK, Lars TTPCom Ltd  
*freeze\_meeting:* TP-15 *G:* yes *U:* yes *MCC:* RODERMUND, Friedhelm  
*history (event, available, version,*  
TP-15 25/03/2002 5 . 0 . 0 [get it](#) *remarks - general:* Apr-2001: " Station Application" removed from title.  
TP-17 18/09/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .

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**TS 23.060 General Packet Radio Service (GPRS) Service description; Stage 2**

Rel-5 *current version:* 5.6.0 *WG (prime / other):* S2 / - *rapporteur:* ZHAO, Yilin MOTOROLA Ltd  
*freeze\_meeting:* SP-15 *G: yes U: yes* *MCC:* YOON, Sang-Ui  
*history (event, available, version,*  
SP-14 08/01/2002 5 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4  
SP-15 05/04/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
SP-16 17/06/2002 5 . 2 . 0 [get it](#)  
SP-17 02/10/2002 5 . 3 . 0 [get it](#)  
SP-18 10/01/2003 5 . 4 . 0 [get it](#) Seems that approved CR418 was not  
implemented.  
SP-19 27/03/2003 5 . 5 . 0 [get it](#)  
SP-20 20/06/2003 5 . 6 . 0 [get it](#)

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**TS 23.066 Support of GSM Mobile Number Portability (MNP) stage 2**

Rel-5 *current version:* 5.1.0 *WG (prime / other):* N4 / - *rapporteur:* LOPEZ SORIA, Luis Telefon AB LM Ericsson  
*freeze\_meeting:* NP-15 *G: yes U: yes* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version,*  
NP-16 24/06/2002 5 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4, CR at TSG#5  
NP-20 27/06/2003 5 . 1 . 0 [get it](#) *remarks - this release:* .

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**TS 23.067 Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2**

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

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

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**TS 23.078 Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2**

Rel-5 *current version:* 5.4.0 *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,*  
NP-16 17/06/2002 5 . 0 . 0 [get it](#) *remarks - general:* CR at TSG#4,CR at TSG#5  
NP-17 17/09/2002 5 . 1 . 0 [get it](#) *remarks - this release:* Phase 4.  
NP-18 18/12/2002 5 . 2 . 0 [get it](#)  
NP-19 25/03/2003 5 . 3 . 0 [get it](#)  
NP-20 20/06/2003 5 . 4 . 0 [get it](#)

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

Rel-5 *current version:* 5.2.0 *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,*  
NP-15 28/03/2002 5 . 0 . 0 [get it](#) *remarks - general:* CR at TSG#4,CR at TSG#5  
NP-16 21/06/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
NP-18 07/01/2003 5 . 2 . 0 [get it](#)

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**TS 23.081 Line Identification supplementary services; Stage 2**

Rel-5 *current version:* 5.2.0 *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*freeze\_meeting:* NP-15 *G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version,*  
NP-16 24/06/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
NP-17 17/09/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
NP-19 04/04/2003 5 . 2 . 0 [get it](#)

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**TS 23.082 Call Forwarding (CF) Supplementary Services; Stage 2**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*freeze\_meeting:* NP-15 *G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version,*  
NP-16 21/06/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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<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	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version,</i>					
	NP-15 28/03/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-17 17/09/2002 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
<hr/>						
<b>TS 23.084</b>	<b>MultiParty (MPTY) 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	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version,</i>					
	NP-12 27/06/2001 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	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version,</i>					
	NP-16 24/06/2002 5 . 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-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,</i>					
	NP-16 24/06/2002 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,</i>					
	NP-16 24/06/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			

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<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,</i>								
	NP-16 24/06/2002	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,</i>								
	NP-16 24/06/2002	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,</i>								
	NP-16 21/06/2002	5 . 0 . 0							
	NP-17 17/09/2002	5 . 1 . 0							
			<a href="#">get it</a>	<i>remarks - general:</i>					
			<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-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,</i>								
	NP-16 24/06/2002	5 . 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-5	<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> NP-15		G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo					
	<i>history (event, available, version,</i>								
	NP-16 24/06/2002	5 . 0 . 0							
	post NP-16 edito: 01/07/2002	5 . 0 . 1							
	make fig 5.1								
			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4. GSM only @TSG#5					
			<a href="#">get it</a>	<i>remarks - this release:</i> .					

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**TS 23.096 Name Identification Supplementary Service; Stage 2**

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* NP-15  
*history (event, available, version,*  
NP-16 24/06/2002 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 23.097 Multiple Subscriber Profile (MSP) Phase 1; Stage 2**

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* NP-15  
*history (event, available, version,*  
NP-16 24/06/2002 5 . 0 . 0

*WG (prime / other):* N4 / - *rapporteur:* RUSSELL, Nick VODAFONE LTD  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

[get it](#) *remarks - general:* Transfer>TSG#4,CR at TSG#5  
*remarks - this release:* .

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**TS 23.107 Quality of Service (QoS) concept and architecture**

Rel-5 *current version:* 5.9.0  
*freeze\_meeting:* SP-15  
*history (event, available, version,*  
SP-11 11/04/2001 5 . 0 . 0  
SP-12 29/06/2001 5 . 1 . 0  
SP-13 12/10/2001 5 . 2 . 0  
SP-14 07/01/2002 5 . 3 . 0  
SP-15 07/04/2002 5 . 4 . 0  
SP-16 17/06/2002 5 . 5 . 0  
SP-17 24/09/2002 5 . 6 . 0  
SP-18 10/01/2003 5 . 7 . 0  
SP-19 27/03/2003 5 . 8 . 0  
SP-20 26/06/2003 5 . 9 . 0

*WG (prime / other):* S2 / - *rapporteur:* GREIS, Marc NOKIA Corporation  
*G: U: yes* *MCC:* YOON, Sang-Ui

[get it](#) *remarks - general:* was 23.907  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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**TS 23.108 Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)**

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* NP-16  
*history (event, available, version,*  
NP-16 28/06/2002 5 . 0 . 0

*WG (prime / other):* N1 / - *rapporteur:* DOIG, Ian MOTOROLA S.A.S  
*G: yes U: yes* *MCC:* JORGENSEN, Per Johan

[get it](#) *remarks - general:* This is clause 7 from 04.08 ex R98.  
*remarks - this release:* 2002-04-15: N1-23 decision to continue to Rel-5.

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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>G:</i> yes <i>U:</i> yes	<i>MCC:</i> KYMALAINEN, Kimmo					
	<i>history (event, available, version,</i>								
	NP-16 24/06/2002 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>G:</i> yes <i>U:</i> yes	<i>MCC:</i> KYMALAINEN, Kimmo					
	<i>history (event, available, version,</i>								
	NP-16 24/06/2002 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> 5.2.0		<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> HIETALAHTI, Hannu		NOKIA Corporation			
	<i>freeze_meeting:</i> NP-15		<i>G:</i> <i>U:</i> yes	<i>MCC:</i> JORGENSEN, Per Johan					
	<i>history (event, available, version,</i>								
	NP-16 24/06/2002 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-17 17/09/2002 5 . 1 . 0				<a href="#">get it</a>	<i>remarks - this release:</i> .			
	NP-18 18/12/2002 5 . 2 . 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,		ERICSSON RESEARCH CANADA			
	<i>freeze_meeting:</i> SP-15		<i>G:</i> <i>U:</i> yes	<i>MCC:</i> YOON, Sang-Ui					
	<i>history (event, available, version,</i>								
	SP-14 07/01/2002 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> Sept 00: "Open Service Architecture" removed from title.			
	SP-15 05/04/2002 5 . 1 . 0				<a href="#">get it</a>	<i>remarks - this release:</i> .			
	SP-16 17/06/2002 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>G:</i> <i>U:</i> yes	<i>MCC:</i> KYMALAINEN, Kimmo					
	<i>history (event, available, version,</i>								
	NP-16 24/06/2002 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	<i>current version:</i> 5.7.0			<i>WG (prime / other):</i> T2 / -		<i>rapporteur:</i> LAUMEN, Josef		SIEMENS AG		
	<i>freeze_meeting:</i> TP-15			<i>G:</i> yes <i>U:</i> yes		<i>MCC:</i> RODERMUND, Friedhelm				
<i>history (event, available, version,</i>										
	TP-13	05/10/2001	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	
	TP-14	11/01/2002	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.
	TP-15	29/03/2002	5	.	2	.	0	<a href="#">get it</a>		
	TP-16	05/07/2002	5	.	3	.	0	<a href="#">get it</a>		
										Schema delivered 2002-07-07 (uploaded -19) to <a href="http://www.3gpp.org/ftp/Specs/archive/23_series/23.140/schema/REL-5-MM7-1">http://www.3gpp.org/ftp/Specs/archive/23_series/23.140/schema/REL-5-MM7-1</a>
	TP-17	30/09/2002	5	.	4	.	0	<a href="#">get it</a>		Schema v1.1 uploaded 2002-11-14.
	TP-18	20/12/2002	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	31/03/2003	5	.	6	.	0	<a href="#">get it</a>		
	TP-20	25/06/2003	5	.	7	.	0	<a href="#">get it</a>		
<hr/>										
<b>TS 23.146</b>	<b>Technical realisation of facsimile Group 3 service- non-transparent</b>									
Rel-5	<i>current version:</i> 5.0.0			<i>WG (prime / other):</i> N3 / -		<i>rapporteur:</i> HAGIWARA, Junichiro		NTT DoCoMo Inc.		
	<i>freeze_meeting:</i> NP-15			<i>G:</i> <i>U:</i> yes		<i>MCC:</i> BOSWARTHICK, David				
<i>history (event, available, version,</i>										
	NP-16	28/06/2002	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	
									<i>remarks - this release:</i>	.
<hr/>										
<b>TS 23.153</b>	<b>Out of Band Transcoder Control; Stage 2</b>									
Rel-5	<i>current version:</i> 5.5.0			<i>WG (prime / other):</i> N4 / -		<i>rapporteur:</i> HODGES, Phil		Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> NP-15			<i>G:</i> <i>U:</i> yes		<i>MCC:</i> KYMALAINEN, Kimmo				
<i>history (event, available, version,</i>										
	NP-15	28/03/2002	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	New after TSG#5
	NP-16	21/06/2002	5	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	.
	NP-17	18/09/2002	5	.	2	.	0	<a href="#">get it</a>		
	NP-18	09/01/2003	5	.	3	.	0	<a href="#">get it</a>		
	NP-19	04/04/2003	5	.	4	.	0	<a href="#">get it</a>		
	NP-20	27/06/2003	5	.	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-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> HUSLENDE, Ragnar	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> NP-16	<i>G:</i>	<i>MCC:</i> BOSWARTHICK, David		
	<i>history (event, available, version,</i>	<i>U: yes</i>			
	draft 18/04/2002	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	NP-16 25/06/2002	2 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	NP-020168
	NP-16 28/06/2002	5 . 0 . 0	<a href="#">get it</a>		
	NP-18 09/01/2003	5 . 1 . 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> 5.0.0	<i>WG (prime / other):</i> S2 /	<i>rapporteur:</i> PUDNEY, Chris	VODAFONE Group Plc	
	<i>freeze_meeting:</i> SP-20	<i>G: yes</i>	<i>MCC:</i> YOON, Sang-Ui		
	<i>history (event, available, version,</i>	<i>U: yes</i>			
	draft 24/03/2003	0 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Created as a result of 23.895.
	SP-19 24/03/2003	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 17/06/2003	2 . 1 . 0	<a href="#">get it</a>		SP-030335; incorporates RP-20 decisions re IMEISV vs bitmap resolved (ie remove IMEISV)
	SP-20 20/06/2003	5 . 0 . 0	<a href="#">get it</a>		

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<b>TS 23.205</b>	<b>Bearer-independent circuit-switched core network; Stage 2</b>				
Rel-5	<i>current version:</i> 5.6.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> HODGES, Phil	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> NP-15	<i>G:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>	<i>U: yes</i>			
	NP-14 10/01/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	2000-10: Rap change from Keutmann.
	NP-15 28/03/2002	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	.
	NP-16 21/06/2002	5 . 2 . 0	<a href="#">get it</a>		
	NP-17 18/09/2002	5 . 3 . 0	<a href="#">get it</a>		
	NP-18 07/01/2003	5 . 4 . 0	<a href="#">get it</a>		
	NP-19 04/04/2003	5 . 5 . 0	<a href="#">get it</a>		
	NP-20 27/06/2003	5 . 6 . 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	<i>current version:</i> 5.8.0	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> OYAMA, Johnson	Nippon Ericsson K.K.
	<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,</i>				
	SP-12	2 . 0 . 0	SP-010337	<i>remarks - general:</i>
	SP-12 02/07/2001	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .
	SP-13 15/10/2001	5 . 1 . 0	<a href="#">get it</a>	
	SP-14 07/01/2002	5 . 2 . 0	<a href="#">get it</a>	
	SP-15 05/04/2002	5 . 3 . 0	<a href="#">get it</a>	
	SP-16 18/06/2002	5 . 4 . 0	<a href="#">get it</a>	
	SP-17 24/09/2002	5 . 5 . 0	<a href="#">get it</a>	
	SP-18 10/01/2003	5 . 6 . 0	<a href="#">get it</a>	
	SP-19 27/03/2003	5 . 7 . 0	<a href="#">get it</a>	
	SP-20 20/06/2003	5 . 8 . 0	<a href="#">get it</a>	

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

Rel-5	<i>current version:</i> 5.5.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> DRAGE, Keith	Lucent Technologies Network Systems UK
	<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,</i>				
	draft 30/03/2001	0 . 5 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
	draft 20/08/2001	0 . 5 . 2	<a href="#">get it</a>	<i>remarks - this release:</i> .
	draft 11/09/2001	0 . 6 . 0	<a href="#">get it</a>	
	draft 10/10/2001	0 . 7 . 0	<a href="#">get it</a>	
	draft 05/11/2001	0 . 8 . 0	<a href="#">get it</a>	
	draft 19/11/2001	0 . 9 . 0	<a href="#">get it</a>	
	NP-14 05/12/2001	1 . 0 . 0	NP-010640	<a href="#">get it</a>
	draft 22/01/2002	1 . 1 . 0	<a href="#">get it</a>	
	draft 06/02/2002	1 . 2 . 0	<a href="#">get it</a>	
	draft 26/02/2002	2 . 0 . 0	<a href="#">get it</a>	
	NP-15 19/03/2002	2 . 0 . 1	NP-020047	<a href="#">get it</a>
	NP-15 19/03/2002	5 . 0 . 0	<a href="#">get it</a>	
	NP-16 25/06/2002	5 . 1 . 0	<a href="#">get it</a>	
	NP-17 17/09/2002	5 . 2 . 0	<a href="#">get it</a>	
	NP-18 18/12/2002	5 . 3 . 0	<a href="#">get it</a>	
	NP-19 24/03/2003	5 . 4 . 0	<a href="#">get it</a>	
	NP-20 03/07/2003	5 . 5 . 0	<a href="#">get it</a>	

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<b>TS 23.221</b>	<b>Architectural requirements</b>								
Rel-5	<i>current version:</i> 5.7.0								
	<i>freeze_meeting:</i> SP-15								
	<i>history (event, available, version,</i>								
	SP-11 06/04/2001	5	.	0	.	0			
	SP-12 02/07/2001	5	.	1	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	Derived from R99-specific 23.121
	SP-13 12/10/2001	5	.	2	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	SP-14 07/01/2002	5	.	3	.	0	<a href="#">get it</a>		
	SP-15 05/04/2002	5	.	4	.	0	<a href="#">get it</a>		
	SP-16 18/06/2002	5	.	5	.	0	<a href="#">get it</a>		
	SP-17 02/10/2002	5	.	6	.	0	<a href="#">get it</a>		
	SP-18 10/01/2003	5	.	7	.	0	<a href="#">get it</a>		
<hr/>									
<b>TS 23.226</b>	<b>Global text telephony (GTT); Stage 2: Architecture</b>								
Rel-5	<i>current version:</i> 5.2.0								
	<i>freeze_meeting:</i> NP-15								
	<i>history (event, available, version,</i>								
	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 29/06/2001	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	WI approved TSG#7
	SP-14 07/01/2002	5	.	1	.	0	<a href="#">get it</a>		
	SP-15 05/04/2002	5	.	2	.	0	<a href="#">get it</a>		
<hr/>									
<b>TS 23.227</b>	<b>Application and user interaction in the UE; Principles and specific requirements</b>								
Rel-5	<i>current version:</i> 5.1.0								
	<i>freeze_meeting:</i> TP-15								
	<i>history (event, available, version,</i>								
	TP-14 11/01/2002	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	
	TP-15 26/03/2002	5	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	.

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

Rel-5 *current version:* 5.9.0  
*freeze\_meeting:* SP-15

*WG (prime / other):* S2 / - *rapporteur:* TOWLE, Thomas  
*G:* yes *U:* yes *MCC:* YOON, Sang-Ui

Lucent Technologies

*history (event, available, version,*

draft 30/11/2000 1 . 0 . 0

SP-10 10/01/2001 1 . 4 . 0 SP-000598

draft 06/02/2001 1 . 7 . 0

SP-11 06/04/2001 5 . 0 . 0

SP-12 02/07/2001 5 . 1 . 0

SP-13 17/10/2001 5 . 2 . 0

repair of lost 5 . 2 . 1

figures

SP-14 04/01/2002 5 . 3 . 0

SP-15 08/04/2002 5 . 4 . 0

edito post SP-15 12/04/2002 5 . 4 . 1

SP-16 17/06/2002 5 . 5 . 0

SP-17 30/09/2002 5 . 6 . 0

SP-18 07/01/2003 5 . 7 . 0

SP-19 27/03/2003 5 . 8 . 0

SP-20 20/06/2003 5 . 9 . 0

[get it](#)

*remarks - general:*

[get it](#)

*remarks - this release:*

[get it](#)

[get it](#)

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

Telefon AB LM Ericsson

*history (event, available, version,*

SP-12 12/07/2001 1 . 0 . 0 SP-010338

draft 16/08/2001 1 . 1 . 0

SP-13 01/10/2001 2 . 0 . 0 SP-010507

SP-13 2 . 1 . 0 not made available

SP-13 15/10/2001 5 . 0 . 0

SP-14 07/01/2002 5 . 1 . 0

SP-15 05/04/2002 5 . 2 . 0

[get it](#)

*remarks - general:*

[get it](#)

*remarks - this release:* .

[get it](#)

[get it](#)

[get it](#)

[get it](#)

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

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

SP-13	15/10/2001	5	.	0	.	0	
SP-14	07/01/2002	5	.	1	.	0	<a href="#">get it</a>
SP-15	29/03/2002	5	.	2	.	0	<a href="#">get it</a>
SP-16	18/06/2002	5	.	3	.	0	<a href="#">get it</a>
SP-17	24/09/2002	5	.	4	.	0	<a href="#">get it</a>
SP-18	09/01/2003	5	.	5	.	0	<a href="#">get it</a>
SP-19	27/03/2003	5	.	6	.	0	<a href="#">get it</a>
SP-20	23/06/2003	5	.	7	.	0	<a href="#">get it</a>

*)* WG (prime / other): S2 / - *rapporteur:* KÅLL, Jan NOKIA Corporation  
G: yes U: yes *MCC:* YOON, Sang-Ui

*remarks - general:* post-TSG#8: Recombined 2G and 3G spec for R00 onwards.  
*remarks - this release:* .

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

Rel-5 *current version:* 5.3.0  
*freeze\_meeting:* NP-18  
*history (event, available, version,*

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

*)* WG (prime / other): N2 / - *rapporteur:* REMOQUILLO, Angelica Lucent Technologies  
G: yes U: yes *MCC:* JURISIC, Andrijana

## TR 23.815 Charging implications of IMS architecture

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* SP-15  
*history (event, available, version,*

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	20/11/2001	0	.	2	.	0		<a href="#">get it</a>	
S2-21	04/12/2001	0	.	3	.	0		<a href="#">get it</a>	
SP-14	11/01/2002	1	.	0	.	0	SP-010718	<a href="#">get it</a>	
SP-15	19/03/2002	2	.	0	.	0	SP-020144	<a href="#">get it</a>	
SP-15	05/04/2002	5	.	0	.	0		<a href="#">get it</a>	

*)* WG (prime / other): S2 / *rapporteur:* MILINSKI, Alexander SIEMENS AG  
G: yes U: yes *MCC:* YOON, Sang-Ui

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**TR 23.871 Enhanced support for user privacy in Location Services (LCS)**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* S2 / *rapporteur:* KÅLL, Jan NOKIA Corporation  
*freeze\_meeting:* SP-15 *G:* U: yes *MCC:* YOON, Sang-Ui

*history (event, available, version,*  
draft 0 . 0 . 1 *remarks - general:*  
draft 0 . 0 . 2 *remarks - this release:* 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 02/01/2002 1 . 0 . 0 SP-010717 [get it](#)  
S2-23 1 . 2 . 0  
draft 19/03/2002 1 . 3 . 0 [get it](#)  
SP-15 2 . 0 . 0 not presented  
SP-16 22/07/2002 2 . 1 . 0 SP-020379 [get it](#)  
SP-16 25/07/2002 5 . 0 . 0 [get it](#)

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**TR 23.875 Support of Push service**

Rel-5 *current version:* 5.1.0 *WG (prime / other):* S2 / *rapporteur:* UDA, Nobuyuki NTT COMWARE Corporation  
*freeze\_meeting:* SP-15 *G:* U: yes *MCC:* YOON, Sang-Ui

*history (event, available, version,*  
SP-13 16/10/2001 5 . 0 . 0 derived from SP-010508 [get it](#) *remarks - general:* SP-13: changed number from 23.974.  
SP-14 04/04/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .

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**TR 23.910 Circuit switched data bearer services**

Rel-5 *current version:* 5.3.0 *WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*freeze\_meeting:* NP-15 *G:* U: yes *MCC:* BOSWARTHICK, David

*history (event, available, version,*  
NP-14 11/01/2002 5 . 0 . 0 [get it](#) *remarks - general:* 03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)  
NP-17 17/09/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
NP-18 06/01/2003 5 . 2 . 0 [get it](#)  
NP-19 27/03/2003 5 . 3 . 0 [get it](#)

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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)

<b>TS 24.002</b>	<b>GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration</b>								
Rel-5	current version: 5.1.1	WG (prime / other):	N1 / -	rapporteur:	ANDERSEN, Niels	MOTOROLA A/S			
	freeze_meeting: NP-15	G: yes	U: yes	MCC:	Peter Skov				
	history (event, available, version,				JORGENSEN, Per Johan				
	NP-16 28/06/2002	5	. 0	. 0			<a href="#">get it</a>	remarks - general:	
	NP-19 24/03/2003	5	. 1	. 0			<a href="#">get it</a>	remarks - this release: .	
	correction of typo 02/06/2003	5	. 1	. 1			<a href="#">get it</a>		
	on cover page								
<b>TS 24.007</b>	<b>Mobile radio interface signalling layer 3; General Aspects</b>								
Rel-5	current version: 5.1.0	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,								
	NP-16 24/06/2002	5	. 0	. 0			<a href="#">get it</a>	remarks - general: Transfer>TSG#4,CR at TSG#5	
	NP-17 17/09/2002	5	. 1	. 0			<a href="#">get it</a>	remarks - this release: .	
<b>TS 24.008</b>	<b>Mobile radio interface Layer 3 specification; Core network protocols; Stage 3</b>								
Rel-5	current version: 5.8.0	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,								
	NP-12 13/07/2001	5	. 0	. 0			<a href="#">get it</a>	remarks - general: CR correction produced 3.0.1, CR at TSG#5. Outstanding issues not expected to	
	NP-13 05/10/2001	5	. 1	. 0			<a href="#">get it</a>	remarks - this release: . be resolved till Jun00.	
	NP-14 10/01/2002	5	. 2	. 0			<a href="#">get it</a>		
	NP-15 21/03/2002	5	. 3	. 0			<a href="#">get it</a>		
	NP-16 24/06/2002	5	. 4	. 0			<a href="#">get it</a>		
	NP-17 17/09/2002	5	. 5	. 0			<a href="#">get it</a>		
	NP-18 18/12/2002	5	. 6	. 0			<a href="#">get it</a>		
	NP-19 24/03/2003	5	. 7	. 0			<a href="#">get it</a>		
	NP-20 04/07/2003	5	. 8	. 0			<a href="#">get it</a>		

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<b>TS 24.010</b>	<b>Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects</b>								
Rel-5	<i>current version:</i> 5.0.0 <i>freeze_meeting:</i> NP-15		<i>WG (prime / other):</i> N4 / -		<i>rapporteur:</i> ANDERSEN, Niels Peter Skov		MOTOROLA A/S		
			G: yes U: yes		<i>MCC:</i> KYMALAINEN, Kimmo				
	<i>history (event, available, version,</i> NP-16 24/06/2002 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .				
<hr/>									
<b>TS 24.011</b>	<b>Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface</b>								
Rel-5	<i>current version:</i> 5.2.0 <i>freeze_meeting:</i> NP-15		<i>WG (prime / other):</i> N1 / T2		<i>rapporteur:</i> ANDERSEN, Niels Peter Skov		MOTOROLA A/S		
			G: yes U: yes		<i>MCC:</i> JORGENSEN, Per Johan				
	<i>history (event, available, version,</i> NP-16 28/06/2002 5 . 0 . 0 NP-18 18/12/2002 5 . 1 . 0 NP-20 03/07/2003 5 . 2 . 0			<a href="#">get it</a> <a href="#">get it</a> <a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4 <i>remarks - this release:</i> .				
<hr/>									
<b>TS 24.022</b>	<b>Radio Link Protocol (RLP) for circuit switched bearer and teleservices</b>								
Rel-5	<i>current version:</i> 5.3.0 <i>freeze_meeting:</i> NP-15		<i>WG (prime / other):</i> N3 / -		<i>rapporteur:</i> KLEHN, Norbert		SIEMENS AG		
			G: yes U: yes		<i>MCC:</i> BOSWARTHICK, David				
	<i>history (event, available, version,</i> NP-14 16/01/2002 5 . 0 . 0 NP-18 06/01/2003 5 . 1 . 0  NP-19 27/03/2003 5 . 2 . 0 NP-20 23/06/2003 5 . 3 . 0			<a href="#">get it</a> <a href="#">get it</a>  <a href="#">get it</a> <a href="#">get it</a>	<i>remarks - general:</i> CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link <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)				
<hr/>									
<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>freeze_meeting:</i> NP-15		<i>WG (prime / other):</i> N4 / -		<i>rapporteur:</i> GARAPATY, Sonia		Nortel Networks (USA)		
			G: yes U: yes		<i>MCC:</i> KYMALAINEN, Kimmo				
	<i>history (event, available, version,</i> NP-15 28/03/2002 5 . 0 . 0 NP-16 21/06/2002 5 . 1 . 0			<a href="#">get it</a> <a href="#">get it</a>	<i>remarks - general:</i> TSG#7: txfrd from SMG to 3GPP for R99. <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	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version,</i>					
	NP-16 24/06/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			
<hr/>						
<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	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version,</i>					
	NP-16 24/06/2002 5 . 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>					
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,</i>					
	NP-15 28/03/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-16 21/06/2002 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	NP-17 18/09/2002 5 . 2 . 0	<a href="#">get it</a>				
	NP-18 07/01/2003 5 . 3 . 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,</i>					
	NP-16 24/06/2002 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,</i>					
	NP-16 25/06/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			

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<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,</i>					
	NP-16 25/06/2002 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,</i>					
	NP-16 25/06/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			
<hr/>						
<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,</i>					
	NP-16 25/06/2002 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,</i>					
	NP-16 25/06/2002 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,</i>					
	NP-16 25/06/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			

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<b>TS 24.088</b>	<b>Call Barring (CB) Supplementary Service; Stage 3</b>	WG (prime / other): N4 / - G: yes U: yes	rapporteur: WIEHE, Ulrich MCC: KYMALAINEN, Kimmo	Gesellschaft für Kommunikations Software
Rel-5	current version: 5.0.0 freeze_meeting: NP-15 history (event, available, version, NP-16 25/06/2002 5 . 0 . 0	<a href="#">get it</a>	remarks - general: remarks - this release: .	
<hr/>				
<b>TS 24.090</b>	<b>Unstructured Supplementary Service Data (USSD); Stage 3</b>	WG (prime / other): N4 / - G: yes U: yes	rapporteur: BRUSS, Jörg MCC: KYMALAINEN, Kimmo	ERICSSON Eurolab Deutschland GmbH
Rel-5	current version: 5.0.0 freeze_meeting: NP-15 history (event, available, version, NP-16 25/06/2002 5 . 0 . 0	<a href="#">get it</a>	remarks - general: remarks - this release: .	
<hr/>				
<b>TS 24.091</b>	<b>Explicit Call Transfer (ECT) Supplementary Service; Stage 3</b>	WG (prime / other): N4 / - G: yes U: yes	rapporteur: WIEHE, Ulrich MCC: KYMALAINEN, Kimmo	Gesellschaft für Kommunikations Software
Rel-5	current version: 5.0.0 freeze_meeting: NP-15 history (event, available, version, NP-16 25/06/2002 5 . 0 . 0	<a href="#">get it</a>	remarks - general: remarks - this release: .	
<hr/>				
<b>TS 24.093</b>	<b>Call Completion to Busy Subscriber (CCBS); Stage 3</b>	WG (prime / other): N4 / - G: yes U: yes	rapporteur: WIEHE, Ulrich MCC: KYMALAINEN, Kimmo	Gesellschaft für Kommunikations Software
Rel-5	current version: 5.0.0 freeze_meeting: NP-15 history (event, available, version, NP-16 25/06/2002 5 . 0 . 0	<a href="#">get it</a>	remarks - general: remarks - this release: .	
<hr/>				
<b>TS 24.096</b>	<b>Name Identification Supplementary Service; Stage 3</b>	WG (prime / other): N4 / - G: yes U: yes	rapporteur: WIEHE, Ulrich MCC: KYMALAINEN, Kimmo	Gesellschaft für Kommunikations Software
Rel-5	current version: 5.0.0 freeze_meeting: NP-15 history (event, available, version, NP-16 25/06/2002 5 . 0 . 0	<a href="#">get it</a>	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,*  
NP-16 25/06/2002 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:* .

## 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:* 5.5.0  
*freeze\_meeting:* NP-16  
*history (event, available, version,*

*WG (prime / other):* N1 / - *rapporteur:* KISS, Krisztian  
*G:* yes U: yes *MCC:* JORGENSEN, Per Johan

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

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

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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:* 5.5.0 *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,*  
NP-10 0 . 0 . 6 *remarks - general:* NP-14: confirmed that this is appropriate for GSM as well as UMTS.  
NP-10 05/01/2001 0 . 0 . 7 N1-001115->1379 (NP-000684) [get it](#) *remarks - this release:*  
draft 26/03/2001 0 . 1 . 0 [get it](#)  
draft 10/05/2001 0 . 2 . 0 [get it](#)  
draft 26/06/2001 0 . 3 . 0 [get it](#)  
draft 26/07/2001 0 . 4 . 0 [get it](#)  
draft 12/09/2001 0 . 5 . 0 [get it](#)  
draft 09/10/2001 0 . 6 . 0 [get it](#)  
draft 24/10/2001 0 . 7 . 0 [get it](#)  
draft 19/11/2001 0 . 8 . 0 [get it](#)

NP-14 06/12/2001 1 . 0 . 0 NP-010642 [get it](#)  
draft 22/01/2002 1 . 1 . 0 [get it](#)  
draft 06/02/2002 1 . 2 . 0 [get it](#)  
draft 06/02/2002 1 . 2 . 1 [get it](#)  
draft 27/02/2002 2 . 0 . 0 [get it](#)  
NP-15 19/03/2002 2 . 0 . 2 NP-020049 [get it](#)  
NP-15 19/03/2002 5 . 0 . 0 not frozen [get it](#)  
NP-16 28/06/2002 5 . 1 . 0 CR009 not implemented; expect further [get it](#)  
CR at NP-17 to remove it.  
NP-17 17/09/2002 5 . 2 . 0 [get it](#)  
NP-18 20/12/2002 5 . 3 . 0 [get it](#)  
NP-19 24/03/2003 5 . 4 . 0 [get it](#)  
NP-20 23/06/2003 5 . 5 . 0 [get it](#)

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

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

*WG (prime / other):* R4 / - *rapporteur:* FERNANDES, Edgar MOTOROLA Ltd  
*G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

RP-13 03/10/2001 5 . 0 . 0  
RP-14 14/01/2002 5 . 1 . 0  
RP-15 29/03/2002 5 . 2 . 0  
RP-16 01/07/2002 5 . 3 . 0  
RP-17 04/10/2002 5 . 4 . 0  
RP-18 10/01/2003 5 . 5 . 0  
RP-19 04/04/2003 5 . 6 . 0  
RP-20 27/06/2003 5 . 7 . 0

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

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

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

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

RP-15 29/03/2002 5 . 0 . 0  
editor post RP-15 15/04/2002 5 . 0 . 1 Fixes change history table entry.  
RP-16 01/07/2002 5 . 1 . 0  
RP-17 02/10/2002 5 . 2 . 0  
RP-18 10/01/2003 5 . 3 . 0  
RP-19 04/04/2003 5 . 4 . 0  
RP-20 27/06/2003 5 . 5 . 0

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

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

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

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

RP-13 03/10/2001 5 . 0 . 0  
RP-14 14/01/2002 5 . 1 . 0  
RP-15 29/03/2002 5 . 2 . 0  
RP-16 01/07/2002 5 . 3 . 0  
RP-17 02/10/2002 5 . 4 . 0  
RP-18 10/01/2003 5 . 5 . 0  
RP-19 04/04/2003 5 . 6 . 0  
RP-20 27/06/2003 5 . 7 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* .  
[get it](#)  
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## TS 25.105 UTRA (BS) TDD: Radio transmission and reception

Rel-5 *current version:* 5.4.0  
*freeze\_meeting:* RP-15  
*history (event, available, version,*

RP-15	29/03/2002	5	.	0	.	0
RP-16	01/07/2002	5	.	1	.	0
RP-17	02/10/2002	5	.	2	.	0
RP-18	10/01/2003	5	.	3	.	0
RP-19	04/04/2003	5	.	4	.	0

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

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

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## TS 25.106 UTRA repeater radio transmission and reception

Rel-5 *current version:* 5.5.0  
*freeze\_meeting:* RP-15

*history (event, available, version,*  
RP-15 29/03/2002 5 . 0 . 0  
RP-16 01/07/2002 5 . 1 . 0  
RP-17 02/10/2002 5 . 2 . 0  
RP-18 10/01/2003 5 . 3 . 0  
RP-19 04/04/2003 5 . 4 . 0  
RP-20 27/06/2003 5 . 5 . 0

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

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

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

Rel-5 *current version:* 5.4.0  
*freeze\_meeting:* RP-15

*history (event, available, version,*  
RP-15 02/04/2002 5 . 0 . 0  
edito 19/04/2002 5 . 0 . 1  
RP-16 01/07/2002 5 . 1 . 0  
RP-17 02/10/2002 5 . 2 . 0  
RP-18 10/01/2003 5 . 3 . 0  
RP-19 04/04/2003 5 . 4 . 0

*WG (prime / other):* R4 / - *rapporteur:* BARNES, David DTI - Department of Trade and Industry  
*G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

[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 access; U = required in systems with UMTS

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

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

Rel-5 *current version:* 5.5.0 *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,*  
RP-15 29/03/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
RP-16 03/07/2002 5 . 1 . 0 [get it](#) *remarks - this release: .*  
RP-17 10/10/2002 5 . 2 . 0 [get it](#)  
RP-18 10/01/2003 5 . 3 . 0 [get it](#)  
RP-19 04/04/2003 5 . 4 . 0 [get it](#)  
RP-20 01/07/2003 5 . 5 . 0 [get it](#)

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

Rel-5 *current version:* 5.7.0 *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,*  
RP-13 10/10/2001 5 . 0 . 0 [get it](#) *remarks - general:*  
RP-14 17/01/2002 5 . 1 . 0 [get it](#) *remarks - this release: .*  
RP-15 29/03/2002 5 . 2 . 0 [get it](#)  
RP-16 04/07/2002 5 . 3 . 0 [get it](#)  
RP-17 04/10/2002 5 . 4 . 0 [get it](#)  
RP-18 10/01/2003 5 . 5 . 0 [get it](#)  
RP-19 04/04/2003 5 . 6 . 0 [get it](#)  
RP-20 02/07/2003 5 . 7 . 0 [get it](#)

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

Rel-5 *current version:* 5.7.0 *WG (prime / other):* R4 / - *rapporteur:* NAKAMURA, Takaharu Fujitsu Limited  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar  
*history (event, available, version,*  
RP-13 03/10/2001 5 . 0 . 0 [get it](#) *remarks - general:*  
RP-14 16/01/2002 5 . 1 . 0 [get it](#) *remarks - this release: .*  
RP-15 02/04/2002 5 . 2 . 0 [get it](#)  
RP-16 04/07/2002 5 . 3 . 0 [get it](#)  
edito post RP-16 19/07/2002 5 . 3 . 1 eliminate duplicate clause numbers [get it](#)  
RP-17 04/10/2002 5 . 4 . 0 [get it](#)  
RP-18 10/01/2003 5 . 5 . 0 [get it](#)  
RP-19 04/04/2003 5 . 6 . 0 [get it](#)  
RP-20 27/06/2003 5 . 7 . 0 [get it](#)

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

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[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)

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

RP-15	29/03/2002	5	.	0	.	0
RP-16	04/07/2002	5	.	1	.	0
RP-17	04/10/2002	5	.	2	.	0
RP-18	10/01/2003	5	.	3	.	0
RP-19	04/04/2003	5	.	4	.	0
RP-20	27/06/2003	5	.	5	.	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:* 5.5.0  
*freeze\_meeting:* RP-15  
*history (event, available, version,*

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

*WG (prime / other):* R4 / - *rapporteur:* KUMMETZ, Thomas MIKOM GmbH - Mikrotechnik zur Kommunikation  
*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](#)

---

## TS 25.201 Physical layer - general description

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

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

*WG (prime / other):* R1 / - *rapporteur:* TOSKALA, Antti NOKIA Corporation  
*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

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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> 5.4.0	<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> WILDE, Andreas	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> RP-15	<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa			
	<i>history (event, available, version,</i>					
	RP-15 29/03/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	RP-16 28/06/2002 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	RP-17 27/09/2002 5 . 2 . 0	<a href="#">get it</a>				
	RP-18 07/01/2003 5 . 3 . 0	<a href="#">get it</a>				
	RP-20 27/06/2003 5 . 4 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 25.212</b>	<b>Multiplexing and channel coding (FDD)</b>					
Rel-5	<i>current version:</i> 5.5.0	<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> TANAKA, Yoshinori	Fujitsu Limited		
	<i>freeze_meeting:</i> RP-15	<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa			
	<i>history (event, available, version,</i>					
	RP-15 29/03/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	RP-16 28/06/2002 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	RP-17 27/09/2002 5 . 2 . 0	<a href="#">get it</a>				
	RP-18 07/01/2003 5 . 3 . 0	<a href="#">get it</a>				
	RP-19 04/04/2003 5 . 4 . 0	<a href="#">get it</a>				
	RP-20 27/06/2003 5 . 5 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 25.213</b>	<b>Spreading and modulation (FDD)</b>					
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> CHAMBERS, Peter	SIEMENS AG		
	<i>freeze_meeting:</i> RP-15	<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa			
	<i>history (event, available, version,</i>					
	RP-15 29/03/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	RP-16 28/06/2002 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	RP-17 27/09/2002 5 . 2 . 0	<a href="#">get it</a>				
	RP-19 04/04/2003 5 . 3 . 0	<a href="#">get it</a>				

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

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## TS 25.214 Physical layer procedures (FDD)

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

RP-15	29/03/2002	5	.	0	.	0
RP-16	28/06/2002	5	.	1	.	0
RP-17	27/09/2002	5	.	2	.	0
RP-18	07/01/2003	5	.	3	.	0
RP-19	04/04/2003	5	.	4	.	0
RP-20	27/06/2003	5	.	5	.	0

*WG (prime / other):* R1 / - *rapporteur:* IKEDA, Shinobu NEC Corporation  
*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 25.215 Physical layer; Measurements (FDD)

Rel-5 *current version:* 5.4.0  
*freeze\_meeting:* RP-15  
*history (event, available, version,*

RP-15	29/03/2002	5	.	0	.	0
RP-17	27/09/2002	5	.	1	.	0
RP-18	07/01/2003	5	.	2	.	0
RP-19	04/04/2003	5	.	3	.	0
RP-20	27/06/2003	5	.	4	.	0

*WG (prime / other):* R1 / - *rapporteur:* IKEDA, Shinobu NEC Corporation  
*G:* *U:* yes *MCC:* SASAKI, Tsukasa

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

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## TS 25.221 Physical channels and mapping of transport channels onto physical channels (TDD)

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

RP-15	29/03/2002	5	.	0	.	0
RP-16	28/06/2002	5	.	1	.	0
RP-17	27/09/2002	5	.	2	.	0
RP-18	07/01/2003	5	.	3	.	0
RP-19	04/04/2003	5	.	4	.	0
RP-20	27/06/2003	5	.	5	.	0

*WG (prime / other):* R1 / - *rapporteur:* HIRAMA TSU, Katsuhiko Panasonic Mobile Communications Co.,Ltd.  
*G:* *U:* yes *MCC:* SASAKI, Tsukasa

[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

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## TS 25.222 Multiplexing and channel coding (TDD)

Rel-5 *current version:* 5.5.0  
*freeze\_meeting:* RP-15

*WG (prime / other):* R1 / - *rapporteur:* KAHTAVA, Jussi Nokia Japan Co, Ltd  
*G:* *U:* yes *MCC:* SASAKI, Tsukasa

*history (event, available, version,*  
RP-15 29/03/2002 5 . 0 . 0  
RP-16 28/06/2002 5 . 1 . 0  
RP-17 27/09/2002 5 . 2 . 0  
editorial to correct 22/10/2002 5 . 2 . 1  
clause numbers  
RP-18 07/01/2003 5 . 3 . 0  
RP-19 04/04/2003 5 . 4 . 0  
RP-20 27/06/2003 5 . 5 . 0

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

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## TS 25.223 Spreading and modulation (TDD)

Rel-5 *current version:* 5.3.0  
*freeze\_meeting:* RP-15

*WG (prime / other):* R1 / - *rapporteur:* VACANT,  
*G:* *U:* yes *MCC:* SASAKI, Tsukasa

*history (event, available, version,*  
RP-15 29/03/2002 5 . 0 . 0  
RP-16 28/06/2002 5 . 1 . 0  
RP-18 07/01/2003 5 . 2 . 0  
RP-19 04/04/2003 5 . 3 . 0

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

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## TS 25.224 Physical layer procedures (TDD)

Rel-5 *current version:* 5.5.0  
*freeze\_meeting:* RP-15

*WG (prime / other):* R1 / - *rapporteur:* OESTREICH, Stefan SIEMENS AG  
*G:* *U:* yes *MCC:* SASAKI, Tsukasa

*history (event, available, version,*  
RP-15 29/03/2002 5 . 0 . 0  
RP-16 28/06/2002 5 . 1 . 0  
RP-17 27/09/2002 5 . 2 . 0  
editorial to correct 22/10/2002 5 . 2 . 1  
clause numbers  
RP-18 07/01/2003 5 . 3 . 0  
RP-19 04/04/2003 5 . 4 . 0  
RP-20 27/06/2003 5 . 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 access; U = required in systems with UMTS

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**TS 25.225 Physical layer; Measurements (TDD)**

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

RP-15	02/04/2002	5	.	0	.	0
RP-16	28/06/2002	5	.	1	.	0
RP-17	27/09/2002	5	.	2	.	0
RP-18	07/01/2003	5	.	3	.	0
RP-19	04/04/2003	5	.	4	.	0
RP-20	27/06/2003	5	.	5	.	0

*WG (prime / other):* R1 / - *rapporteur:* IKEDA, Shinobu NEC Corporation  
*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 25.301 Radio Interface Protocol Architecture**

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

RP-15	19/03/2002	5	.	0	.	0
RP-16	17/06/2002	5	.	1	.	0
RP-17	18/09/2002	5	.	2	.	0

*WG (prime / other):* R2 / - *rapporteur:* GRANZOW, Wolfgang ERICSSON Eurolab Deutschland GmbH  
*G:* *U:* yes *MCC:* ARZELIER, Claude

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

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**TS 25.302 Services provided by the physical layer**

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

RP-15	19/03/2002	5	.	0	.	0
RP-16	17/06/2002	5	.	1	.	0
RP-17	18/09/2002	5	.	2	.	0
RP-18	20/12/2002	5	.	3	.	0
RP-19	25/03/2003	5	.	4	.	0
RP-20	20/06/2003	5	.	5	.	0

*WG (prime / other):* R2 / - *rapporteur:* MIHAILESCU, Claudiu NORTEL NETWORKS (EUROPE)  
*G:* *U:* yes *MCC:* ARZELIER, Claude

[get it](#) *remarks - general:* V3.0.0 approved via e-mail July 99 CR at TSG#5?  
[get it](#) *remarks - this release:* .  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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**TS 25.303 Interlayer procedures in Connected Mode**

Rel-5 *current version:* 5.1.0  
*freeze\_meeting:* RP-15  
*history (event, available, version,*

RP-15	19/03/2002	5	.	0	.	0
RP-16	17/06/2002	5	.	1	.	0

*WG (prime / other):* R2 / - *rapporteur:* RINNE, Mikko J Nokia Research Center  
*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



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<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> 5.3.0	<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> MAHKONEN, Marko	NOKIA Corporation	
	<i>freeze_meeting:</i> RP-15	G: U: yes	<i>MCC:</i> ARZELIER, Claude		
	<i>history (event, available, version,</i>				
	RP-15 19/03/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	RP-16 17/06/2002 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	RP-18 08/01/2003 5 . 2 . 0	<a href="#">get it</a>			
	RP-20 25/06/2003 5 . 3 . 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> 5.6.0	<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> MIHAILESCU, Claudiu	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> RP-15	G: U: yes	<i>MCC:</i> ARZELIER, Claude		
	<i>history (event, available, version,</i>				
	RP-11 27/03/2001 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Created from 25.923		
	RP-12 19/06/2001 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	RP-13 02/10/2001 5 . 2 . 0	<a href="#">get it</a>			
	RP-14 04/01/2002 5 . 3 . 0	<a href="#">get it</a>			
	RP-15 19/03/2002 5 . 4 . 0	<a href="#">get it</a>			
	RP-19 25/03/2003 5 . 5 . 0	<a href="#">get it</a>			
	RP-20 20/06/2003 5 . 6 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 25.306</b>	<b>UE Radio Access capabilities definition</b>				
Rel-5	<i>current version:</i> 5.5.0	<i>WG (prime / other):</i> R2 / -	<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,</i>				
	RP-15 19/03/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Converted from TR 25.926 at TSG#10.		
	RP-16 17/06/2002 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	RP-17 18/09/2002 5 . 2 . 0	<a href="#">get it</a>			
	RP-18 08/01/2003 5 . 3 . 0	<a href="#">get it</a>			
	RP-19 25/03/2003 5 . 4 . 0	<a href="#">get it</a>			
	RP-20 20/06/2003 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

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

Rel-5 *current version:* 5.0.0 *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,*  
RP-15 19/03/2002 5 . 0 . 0 [get it](#)

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

RMM requirements.

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

Rel-5 *current version:* 5.4.0 *WG (prime / other):* R2 / *rapporteur:* KUCHIBHOTLA, Ravi MOTOROLA Ltd  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* ARZELIER, Claude  
*history (event, available, version,*  
RP-13 01/10/2001 0 . 1 . 0 RP-010643 for approval [get it](#) *remarks - general:* TS created from entrails of TR 25.855.  
RP-13 02/10/2001 5 . 0 . 0 [get it](#) *remarks - this release:* .  
RP-14 04/01/2002 5 . 1 . 0 [get it](#)  
RP-15 21/03/2002 5 . 2 . 0 [get it](#)  
RP-18 14/01/2003 5 . 3 . 0 [get it](#)  
RP-19 25/03/2003 5 . 4 . 0 [get it](#)

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

Rel-5 *current version:* 5.5.0 *WG (prime / other):* R2 / - *rapporteur:* STADLER, Thomas SIEMENS AG  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* ARZELIER, Claude  
*history (event, available, version,*  
RP-15 19/03/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
RP-16 17/06/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
RP-17 18/09/2002 5 . 2 . 0 [get it](#)  
RP-18 08/01/2003 5 . 3 . 0 [get it](#)  
RP-19 25/03/2003 5 . 4 . 0 [get it](#)  
RP-20 20/06/2003 5 . 5 . 0 [get it](#)

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

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[http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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

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

RP-15	19/03/2002	5	.	0	.	0
RP-16	17/06/2002	5	.	1	.	0
RP-17	19/09/2002	5	.	2	.	0
RP-18	10/01/2003	5	.	3	.	0
RP-19	25/03/2003	5	.	4	.	0
RP-20	20/06/2003	5	.	5	.	0

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

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

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

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

RP-15	19/03/2002	5	.	0	.	0
RP-16	17/06/2002	5	.	1	.	0
RP-17	18/09/2002	5	.	2	.	0

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

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

## TS 25.324 Broadcast/Multicast Control (BMC)

Rel-5 *current version:* 5.3.0  
*freeze\_meeting:* RP-15  
*history (event, available, version,*

RP-15	19/03/2002	5	.	0	.	0
RP-16	17/06/2002	5	.	1	.	0
RP-18	13/01/2003	5	.	2	.	0
RP-19	25/03/2003	5	.	3	.	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:* .  
[get it](#)  
[get it](#)

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

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

RP-15	04/04/2002	5	.	0	.	0
RP-16	21/06/2002	5	.	1	.	0
RP-17	01/10/2002	5	.	2	.	0
RP-18	03/02/2003	5	.	3	.	0
RP-19	27/03/2003	5	.	4	.	0
RP-20	25/06/2003	5	.	5	.	0

*WG (prime / other):* R2 / - *rapporteur:* KUCHIBHOTLA, Ravi MOTOROLA Ltd  
*G:* *U:* yes *MCC:* ARZELIER, Claude

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

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<b>TS 25.401</b>	<b>UTRAN overall description</b>				
Rel-5	<i>current version:</i> 5.6.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> CALMEL, Jean-Marie		NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting:</i> RP-15	<i>G:</i>	<i>MCC:</i> KRAUSE, Joern		
	<i>history (event, available, version,</i>	<i>U: yes</i>			
	RP-12 06/07/2001 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Approval at TSG#5		
	RP-13 12/10/2001 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	RP-15 02/04/2002 5 . 2 . 0	<a href="#">get it</a>			
	RP-16 28/06/2002 5 . 3 . 0	<a href="#">get it</a>			
	RP-17 30/09/2002 5 . 4 . 0	<a href="#">get it</a>			
	RP-18 03/01/2003 5 . 5 . 0	<a href="#">get it</a>			
	RP-20 17/06/2003 5 . 6 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 25.402</b>	<b>Synchronisation in UTRAN Stage 2</b>				
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> PIOLINI, Flavio		Indicate persons who left Company and wait for new
	<i>freeze_meeting:</i> RP-15	<i>G:</i>	<i>MCC:</i> KRAUSE, Joern		One
	<i>history (event, available, version,</i>	<i>U: yes</i>			
	RP-15 02/04/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> New		
	RP-16 28/06/2002 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	RP-20 17/06/2003 5 . 2 . 0	<a href="#">get it</a>			
<hr/>					
<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> TOWNEND, Richard		mmO2 plc
	<i>freeze_meeting:</i> RP-15	<i>G:</i>	<i>MCC:</i> KRAUSE, Joern		
	<i>history (event, available, version,</i>	<i>U: yes</i>			
	RP-15 25/03/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Approval at TSG#5		
	RP-16 28/06/2002 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	RP-17 30/09/2002 5 . 2 . 0	<a href="#">get it</a>			
	RP-18 03/01/2003 5 . 3 . 0	<a href="#">get it</a>			
<hr/>					
<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> BRANDT, Achim V.		SIEMENS AG
	<i>freeze_meeting:</i> RP-15	<i>G:</i>	<i>MCC:</i> KRAUSE, Joern		
	<i>history (event, available, version,</i>	<i>U: yes</i>			
	RP-15 25/03/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i> .		

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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> THAKARE, Kiran		RadioScape Limited	
	<i>freeze_meeting:</i> RP-15		<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern			
	<i>history (event, available, version,</i>						
	RP-15 25/03/2002	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	RP-17 30/09/2002	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> 5.5.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> JUSSILA, Jyrki		NOKIA Corporation	
	<i>freeze_meeting:</i> RP-15		<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern			
	<i>history (event, available, version,</i>						
	RP-15 02/04/2002	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	RP-16 05/07/2002	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .		
	RP-17 11/10/2002	5 . 2 . 0		<a href="#">get it</a>			
	RP-18 03/01/2003	5 . 3 . 0		<a href="#">get it</a>			
	RP-19 26/03/2003	5 . 4 . 0		<a href="#">get it</a>			
	RP-20 17/06/2003	5 . 5 . 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> 5.4.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> COMSTOCK, David		Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> RP-15		<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern			
	<i>history (event, available, version,</i>						
	RP-15 02/04/2002	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	RP-16 28/06/2002	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .		
	RP-17 30/09/2002	5 . 2 . 0		<a href="#">get it</a>			
	RP-18 03/01/2003	5 . 3 . 0		<a href="#">get it</a>			
	RP-19 26/03/2003	5 . 4 . 0		<a href="#">get it</a>			
<hr/>							
<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> MAUPIN, Alain		Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> RP-15		<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern			
	<i>history (event, available, version,</i>						
	RP-15 25/03/2002	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	RP-16 28/06/2002	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .		
	RP-17 30/09/2002	5 . 2 . 0		<a href="#">get it</a>			
	RP-18 03/01/2003	5 . 3 . 0		<a href="#">get it</a>			

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<b>TS 25.419</b>	<b>UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)</b>					
Rel-5	<i>current version:</i> 5.4.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> TAYLOR, Carolyn	MOTOROLA Ltd		
	<i>freeze_meeting:</i> RP-15	<i>G:</i>	<i>MCC:</i> KRAUSE, Joern			
	<i>history (event, available, version,</i>	<i>U: yes</i>				
	TP-15 25/03/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	RP-16 28/06/2002 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release: .</i>			
	RP-17 03/10/2002 5 . 2 . 0	<a href="#">get it</a>				
	RP-19 26/03/2003 5 . 3 . 0	<a href="#">get it</a>				
	RP-20 17/06/2003 5 . 4 . 0	<a href="#">get it</a>				

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<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> THAKARE, Kiran	RadioScape Limited		
	<i>freeze_meeting:</i> RP-15	<i>G:</i>	<i>MCC:</i> KRAUSE, Joern			
	<i>history (event, available, version,</i>	<i>U: yes</i>				
	RP-15 02/04/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	RP-17 03/10/2002 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release: .</i>			

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<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> BRANDT, Achim V.	SIEMENS AG		
	<i>freeze_meeting:</i> RP-15	<i>G:</i>	<i>MCC:</i> KRAUSE, Joern			
	<i>history (event, available, version,</i>	<i>U: yes</i>				
	TP-15 25/03/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release: .</i>			

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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> THAKARE, Kiran	RadioScape Limited		
	<i>freeze_meeting:</i> RP-15	<i>G:</i>	<i>MCC:</i> KRAUSE, Joern			
	<i>history (event, available, version,</i>	<i>U: yes</i>				
	RP-15 02/04/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	RP-17 03/10/2002 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release: .</i>			

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**TS 25.423 UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling**

Rel-5 *current version:* 5.6.0 *WG (prime / other):* R3 / - *rapporteur:* RUNE, Göran Ericsson AB  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* KRAUSE, Joern

*history (event, available, version,*  
RP-15 02/04/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
RP-16 19/07/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
PCG post RP-16 06/08/2002 5 . 2 . 0 One CR endorsed by PCG [get it](#)  
RP-17 11/10/2002 5 . 3 . 0 [get it](#)  
RP-18 03/01/2003 5 . 4 . 0 [get it](#)  
RP-19 31/03/2003 5 . 5 . 0 [get it](#)  
RP-20 17/06/2003 5 . 6 . 0 [get it](#)

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**TS 25.424 UTRAN Iur interface data transport & transport signalling for CCH data streams**

Rel-5 *current version:* 5.1.0 *WG (prime / other):* R3 / - *rapporteur:* DREVON, Nicolas ALCATEL S.A.  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* KRAUSE, Joern

*history (event, available, version,*  
RP-15 02/04/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
RP-16 28/06/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .

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

Rel-5 *current version:* 5.5.0 *WG (prime / other):* R3 / - *rapporteur:* DREVON, Nicolas ALCATEL S.A.  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* KRAUSE, Joern

*history (event, available, version,*  
RP-15 02/04/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
RP-16 28/06/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
RP-17 03/10/2002 5 . 2 . 0 [get it](#)  
RP-18 03/01/2003 5 . 3 . 0 [get it](#)  
RP-19 26/03/2003 5 . 4 . 0 [get it](#)  
RP-20 17/06/2003 5 . 5 . 0 [get it](#)

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

Rel-5 *current version:* 5.2.0 *WG (prime / other):* R3 / - *rapporteur:* KEKKI, Sami NOKIA Corporation  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* KRAUSE, Joern

*history (event, available, version,*  
RP-15 02/04/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
RP-16 28/06/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
RP-17 03/10/2002 5 . 2 . 0 [get it](#)

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<b>TS 25.427</b>	<b>UTRAN Iur and Iub interface user plane protocols for DCH data streams</b>								
Rel-5	<i>current version:</i> 5.1.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> LONGONI, Fabio		NOKIA TELECOMMUNICATIONS FINLAND			
	<i>freeze_meeting:</i> RP-15		<i>G:</i>	<i>MCC:</i> KRAUSE, Joern					
	<i>history (event, available, version,</i>		<i>U:</i> yes						
	RP-15 25/03/2002	5 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i>	
	RP-18 03/01/2003	5 . 1 . 0					<a href="#">get it</a>	<i>remarks - this release:</i> .	
<hr/>									
<b>TS 25.430</b>	<b>UTRAN Iub Interface: General Aspects and Principles</b>								
Rel-5	<i>current version:</i> 5.2.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> WILSON, Mick		FUJITSU Laboratories of Europe Limited			
	<i>freeze_meeting:</i> RP-15		<i>G:</i>	<i>MCC:</i> KRAUSE, Joern					
	<i>history (event, available, version,</i>		<i>U:</i> yes						
	RP-15 25/03/2002	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-16 28/06/2002	5 . 1 . 0					<a href="#">get it</a>		
									To include CR029r2 from RP-15 which was forgotten in v5.0.0.
	RP-17 03/10/2002	5 . 2 . 0					<a href="#">get it</a>		
<hr/>									
<b>TS 25.431</b>	<b>UTRAN Iub interface Layer 1</b>								
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> BRANDT, Achim V.		SIEMENS AG			
	<i>freeze_meeting:</i> RP-15		<i>G:</i>	<i>MCC:</i> KRAUSE, Joern					
	<i>history (event, available, version,</i>		<i>U:</i> yes						
	RP-15 25/03/2002	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 Iub interface: signalling transport</b>								
Rel-5	<i>current version:</i> 5.1.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> WILSON, Mick		FUJITSU Laboratories of Europe Limited			
	<i>freeze_meeting:</i> RP-15		<i>G:</i>	<i>MCC:</i> KRAUSE, Joern					
	<i>history (event, available, version,</i>		<i>U:</i> yes						
	RP-15 25/03/2002	5 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i>	
edito post	RP-15 03/04/2002	5 . 0 . 1					<a href="#">get it</a>	<i>remarks - this release:</i> .	
	RP-17 03/10/2002	5 . 1 . 0					<a href="#">get it</a>		
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## TS 25.433 UTRAN lub interface NBAP signalling

Rel-5 *current version:* 5.5.0 *freeze\_meeting:* RP-15  
*history (event, available, version,*  
RP-15 04/04/2002 5 . 0 . 0 2003-08-18: implementation error of CR609r1. Will be corrected RP-21. [get it](#) *remarks - general:*  
*remarks - this release:* .  
RP-16 19/07/2002 5 . 1 . 0 [get it](#)  
RP-17 11/10/2002 5 . 2 . 0 [get it](#)  
RP-18 03/01/2003 5 . 3 . 0 [get it](#)  
RP-19 31/03/2003 5 . 4 . 0 [get it](#)  
RP-20 17/06/2003 5 . 5 . 0 [get it](#)

*WG (prime / other):* R3 / - *rapporteur:* ISHIKAWA, Nobutaka NTT Do CoMo Inc  
*G:* *U:* yes *MCC:* KRAUSE, Joern

## TS 25.434 UTRAN lub interface data transport & transport signalling for CCH data streams

Rel-5 *current version:* 5.1.0 *freeze\_meeting:* RP-15  
*history (event, available, version,*  
RP-15 02/04/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
RP-16 28/06/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .

*WG (prime / other):* R3 / - *rapporteur:* ALDEN, Magnus TeliaSonera AB  
*G:* *U:* yes *MCC:* KRAUSE, Joern

## TS 25.435 UTRAN lub interface user plane protocols for CCH data streams

Rel-5 *current version:* 5.5.0 *freeze\_meeting:* RP-15  
*history (event, available, version,*  
RP-15 02/04/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
RP-16 28/06/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
RP-17 03/10/2002 5 . 2 . 0 [get it](#)  
RP-18 03/01/2003 5 . 3 . 0 [get it](#)  
RP-19 26/03/2003 5 . 4 . 0 [get it](#)  
RP-20 17/06/2003 5 . 5 . 0 [get it](#)

*WG (prime / other):* R3 / - *rapporteur:* CALMEL, Jean-Marie NORTEL NETWORKS (EUROPE)  
*G:* *U:* yes *MCC:* KRAUSE, Joern

## TS 25.442 UTRAN implementation-specific O&M transport

Rel-5 *current version:* 5.1.0 *freeze\_meeting:* RP-15  
*history (event, available, version,*  
RP-15 28/03/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
edito post RP-15 5 . 0 . 1 (not supplied - use v5.0.0) [get it](#) *remarks - this release:* .  
RP-17 03/10/2002 5 . 1 . 0 [get it](#)

*WG (prime / other):* R3 / - *rapporteur:* RECKER, Stephan Indicate persons who left Company and wait for new One  
*G:* *U:* yes *MCC:* KRAUSE, Joern

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## TS 25.450 UTRAN lupc interface general aspects and principles

Rel-5 *current version:* 5.1.0 *WG (prime / other):* R3 / *rapporteur:* LIN, le-Hong  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* KRAUSE, Joern Qualcomm Inc  
*history (event, available, version,*  
RP-12 2 . 0 . 0 RP-010400 *remarks - general:*  
RP-12 05/07/2001 5 . 0 . 0 [get it](#) *remarks - this release:* .  
RP-14 11/01/2002 5 . 1 . 0 [get it](#)

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## TS 25.451 UTRAN lupc interface layer 1

Rel-5 *current version:* 5.0.1 *WG (prime / other):* R3 / *rapporteur:* LIN, le-Hong  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* KRAUSE, Joern Qualcomm Inc  
*history (event, available, version,*  
RP-12 2 . 0 . 0 RP-010401 *remarks - general:*  
RP-12 05/07/2001 5 . 0 . 0 [get it](#) *remarks - this release:* .  
correction to 24/04/2002 5 . 0 . 1 [get it](#)  
history table

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## TS 25.452 UTRAN lupc interface: signalling transport

Rel-5 *current version:* 5.0.0 *WG (prime / other):* R3 / *rapporteur:* LIN, le-Hong  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* KRAUSE, Joern Qualcomm Inc  
*history (event, available, version,*  
RP-13 26/09/2001 2 . 0 . 0 RP-010640 [get it](#) *remarks - general:*  
RP-13 12/10/2001 5 . 0 . 0 [get it](#) *remarks - this release:* .

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## TS 25.453 UTRAN lupc interface Positioning Calculation Application Part (PCAP) signalling

Rel-5 *current version:* 5.6.0 *WG (prime / other):* R3 / *rapporteur:* LIN, le-Hong  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* KRAUSE, Joern Qualcomm Inc  
*history (event, available, version,*  
RP-12 2 . 0 . 0 RP-010402 *remarks - general:*  
RP-12 05/07/2001 5 . 0 . 0 [get it](#) *remarks - this release:* .  
RP-13 12/10/2001 5 . 1 . 0 [get it](#)  
RP-14 11/01/2002 5 . 2 . 0 [get it](#)  
RP-15 25/03/2002 5 . 3 . 0 [get it](#)  
RP-16 28/06/2002 5 . 4 . 0 [get it](#)  
RP-19 26/03/2003 5 . 5 . 0 [get it](#)  
RP-20 17/06/2003 5 . 6 . 0 [get it](#)

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<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,</i>					
	RP-13 01/10/2001 1 . 0 . 0	RP-010647	<a href="#">get it</a>	<i>remarks - general:</i>		
	RP-11 05/04/2001 1 . 0 . 0	RP-010428 at RP-12	<a href="#">get it</a>	<i>remarks - this release:</i>		
	RP-14 02/01/2002 2 . 0 . 0	RP-010826	<a href="#">get it</a>			
	RP-14 11/01/2002 5 . 0 . 0		<a href="#">get it</a>			

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<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,</i>					
	RP-14 02/01/2002 1 . 0 . 0	RP-010823	<a href="#">get it</a>	<i>remarks - general:</i>		
	RP-15 04/04/2002 2 . 0 . 0	RP-020255	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	RP-15 29/03/2002 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		
	<i>freeze_meeting:</i> RP-15	G: U: yes	<i>MCC:</i> ARZELIER, Claude	One		
	<i>history (event, available, version,</i>					
	draft 0 . 0 . 0			<i>remarks - general:</i>		
	draft 04/09/2001 0 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .		
	RP-13 02/10/2001 1 . 0 . 1	RP-010560	<a href="#">get it</a>			
	RP-15 19/03/2002 2 . 0 . 0	RP-020089	<a href="#">get it</a>			
	RP-15 19/03/2002 2 . 0 . 1	RP-020214	<a href="#">get it</a>			
	RP-15 19/03/2002 5 . 0 . 0		<a href="#">get it</a>			

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<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	G: U: yes	<i>MCC:</i> ARZELIER, Claude			
	<i>history (event, available, version,</i>					
	RP-15 19/03/2002 1 . 0 . 0	RP-020087	<a href="#">get it</a>	<i>remarks - general:</i>		
	RP-16 25/06/2002 2 . 0 . 0	RP-020344	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	RP-16 17/06/2002 5 . 0 . 0		<a href="#">get it</a>			

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**TR 25.867 Feasibility study for wideband distribution systems in 3rd generation networks**

Rel-5 *current version:* 1.0.0 DRAFT *WG (prime / other):* R4 / *rapporteur:* MATARASSO, Carlo TEKMAR Sistemi Srl an Andrew Company  
*freeze\_meeting:* RP-15 *G:* U: yes *MCC:* GUTIERREZ MIGUELEZ, Cesar  
*history (event, available, version,*  
RP-14 02/01/2002 1 . 0 . 0 RP-010794 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TR 25.868 Node B synchronization for 1,28 Mcps TDD**

Rel-5 *current version:* 5.0.1 *WG (prime / other):* R1 / - *rapporteur:* HU, Jinling CATT  
*freeze\_meeting:* RP-15 *G:* U: yes *MCC:* SASAKI, Tsukasa  
*history (event, available, version,*  
RP-13 01/10/2001 1 . 0 . 0 RP-010668 [get it](#) *remarks - general:*  
RP-14 02/01/2002 1 . 1 . 0 RP-010898 [get it](#) *remarks - this release:* .  
RP-15 19/03/2002 1 . 1 . 1 RP-020202 [get it](#)  
RP-15 29/03/2002 5 . 0 . 0 [get it](#)  
post RP-15 15/04/2002 5 . 0 . 1 [get it](#)  
editorial

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**TR 25.870 Enhancement on the DSCH Hard Split mode**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* R1 / *rapporteur:* KIM, Jaeyoel Samsung Electronics Ind. Co., Ltd.  
*freeze\_meeting:* RP-15 *G:* U: yes *MCC:* SASAKI, Tsukasa  
*history (event, available, version,*  
RP-12 28/06/2001 0 . 1 . 0 RP-010420 [get it](#) *remarks - general:*  
draft 14/09/2001 1 . 0 . 0 RP-010534 [get it](#) *remarks - this release:* .  
RP-14 02/01/2002 1 . 1 . 0 RP-010841 [get it](#)  
RP-15 19/03/2002 2 . 0 . 0 RP-020127 [get it](#)  
RP-15 29/03/2002 5 . 0 . 0 [get it](#)

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**TR 25.875 NAS node selector function**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* R3 / *rapporteur:* MCWILLIAMS, Brendan VODAFONE Group Plc  
*freeze\_meeting:* RP-15 *G:* U: yes *MCC:* KRAUSE, Joern  
*history (event, available, version,*  
RP-11 06/04/2001 0 . 0 . 1 [get it](#) *remarks - general:*  
RP-14 02/01/2002 1 . 0 . 0 RP-010881 [get it](#) *remarks - this release:*  
RP-15 19/03/2002 2 . 0 . 0 RP-020153 [get it](#)  
RP-15 25/03/2002 5 . 0 . 0 [get it](#)

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<b>TR 25.876</b>	<b>Multiple-Input Multiple-Output Antennae</b>									
Rel-5	<i>current version:</i> 1.1.0		DRAFT	<i>WG (prime / other):</i> R1 /	<i>rapporteur:</i> HUANG, Howard	Lucent Technologies				
	<i>freeze_meeting:</i> RP-15			<i>G:</i>	<i>MCC:</i> SASAKI, Tsukasa					
	<i>history (event, available, version,</i>			<i>U: yes</i>						
	RP-14 02/01/2002	1 . 0 . 0	RP-010796	<a href="#">get it</a>	<i>remarks - general:</i>	RP-20: reference to HSDPA removed from title				
	RP-15 31/07/2002	1 . 1 . 0	RP-020240	<a href="#">get it</a>	<i>remarks - this release:</i>	.				
<hr/>										
<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			<i>G:</i>	<i>MCC:</i> KRAUSE, Joern					
	<i>history (event, available, version,</i>			<i>U: yes</i>						
	draft 12/10/2001	0 . 1 . 0		<a href="#">get it</a>	<i>remarks - general:</i>					
	draft 07/11/2001	0 . 2 . 2		<a href="#">get it</a>	<i>remarks - this release:</i>	.				
	draft 02/01/2002	0 . 3 . 1		<a href="#">get it</a>						
	RP-15 28/02/2002	1 . 0 . 0	R3-020891 = RP-020157	<a href="#">get it</a>						
	RP-15 28/02/2002	2 . 0 . 0	R3-020892 = RP-020158	<a href="#">get it</a>						
	RP-15 25/03/2002	5 . 0 . 0		<a href="#">get it</a>						
	RP-16 28/06/2002	5 . 1 . 0		<a href="#">get it</a>						
<hr/>										
<b>TR 25.878</b>	<b>RL timing adjustment</b>									
Rel-5	<i>current version:</i> 5.1.0			<i>WG (prime / other):</i> R3 /	<i>rapporteur:</i> VOLTOLINA, Elena Eva	Telefon AB LM Ericsson				
	<i>freeze_meeting:</i> RP-15			<i>G:</i>	<i>MCC:</i> KRAUSE, Joern					
	<i>history (event, available, version,</i>			<i>U: yes</i>						
	R3-23 11/01/2002	0 . 2 . 0	awaiting input from RAN1 & RAN2.	<a href="#">get it</a>	<i>remarks - general:</i>					
	RP-15 19/03/2002	1 . 0 . 0	RP-020139	<a href="#">get it</a>	<i>remarks - this release:</i>	.				
	RP-15 19/03/2002	2 . 0 . 0	RP-020140	<a href="#">get it</a>						
	RP-15 25/03/2002	5 . 0 . 0		<a href="#">get it</a>						
	RP-16 28/06/2002	5 . 1 . 0		<a href="#">get it</a>						

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## TR 25.879 Separation of resource reservation and radio link activation

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* RP-15  
*history (event, available, version,*

*WG (prime / other):* R3 / *rapporteur:*  
*G:* U: yes *MCC:* KRAUSE, Joern

R3-23 0 . 2 . 0 Status report in RP-010608.  
draft 03/12/2001 0 . 3 . 0  
draft 03/12/2001 0 . 3 . 1  
RP-15 19/03/2002 1 . 0 . 0 RP-020142  
RP-15 19/03/2002 2 . 0 . 0 RP-020143  
RP-15 25/03/2002 5 . 0 . 0

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

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## TS 25.880 Re-arrangement of lub transport bearers

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* RP-15  
*history (event, available, version,*

*WG (prime / other):* R3 / *rapporteur:* ISOKANGAS, Jari NOKIA Corporation  
*G:* U: yes *MCC:* KRAUSE, Joern

draft 0 . 0 . 1  
R3-21 0 . 0 . 2  
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 11/01/2002 0 . 3 . 0  
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 19/03/2002 1 . 0 . 0 RP-020145  
RP-15 19/03/2002 2 . 0 . 0 RP-020146  
RP-15 25/03/2002 5 . 0 . 0

*remarks - general:* 2003-01: title changed from "Traffic termination point swapping" some time ago.  
*remarks - this release:* .  
[get it](#)  
[get it](#)  
[get it](#)

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**TR 25.881 Improvement of Radio Resource Management (RRM) across RNS and RNS/BSS**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* R3 / *rapporteur:* HWANG, Woonhee NOKIA Corporation  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* KRAUSE, Joern  
*history (event, available, version,*  
R3-23 0 . 2 . 0 Status report in RP-010611 *remarks - general:*  
draft 0 . 4 . 0 *remarks - this release:* .  
draft 0 . 4 . 1 04/12/2001  
RP-14 02/01/2002 1 . 0 . 0 RP-010922 [get it](#)  
RP-14 02/01/2002 2 . 0 . 0 RP-010923 [get it](#)  
RP-14 09/01/2002 5 . 0 . 0 [get it](#)

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**TR 25.882 1,28 Mcps TDD option base station classification**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* R4 / *rapporteur:* MEYER, Juergen SIEMENS AG  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar  
*history (event, available, version,*  
RP-13 01/10/2001 1 . 0 . 0 RP-010645 [get it](#) *remarks - general:*  
RP-14 02/01/2002 1 . 1 . 0 RP-010810 [get it](#) *remarks - this release:* .  
RP-16 25/06/2002 2 . 0 . 0 RP-020353 [get it](#)  
RP-16 03/07/2002 5 . 0 . 0 [get it](#)

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**TR 25.883 Direct Transport Bearers Between SRNC and Node-B**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* R3 / *rapporteur:* VAN LIESHOUT, SAMSUNG Electronics Research Institute  
*freeze\_meeting:* RP-16 *G:* *U:* yes *MCC:* Gert-Jan KRAUSE, Joern  
*history (event, available, version,*  
draft 03/12/2001 0 . 2 . 0 [get it](#) *remarks - general:*  
RP-16 25/06/2002 1 . 0 . 0 RP-020392 [get it](#) *remarks - this release:* .  
RP-16 25/06/2002 2 . 0 . 0 RP-020393 [get it](#)  
RP-16 25/06/2002 2 . 0 . 1 RP-020452 [get it](#)  
RP-16 28/06/2002 5 . 0 . 0 [get it](#)

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**TR 25.884 Iur Neighbouring cell reporting efficiency optimisation**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* R3 / *rapporteur:* VOLTOLINA, Elena Eva Telefon AB LM Ericsson  
*freeze\_meeting:* NP-16 *G:* *U:* yes *MCC:* KRAUSE, Joern  
*history (event, available, version,*  
referred to at 11/01/2002 0 . 1 . 0 Status report in RP-010606 [get it](#) *remarks - general:* Previous rapporteur: Shahrokh Amirjoo.  
RP-13 *remarks - this release:* .  
RP-15 19/03/2002 1 . 0 . 0 RP-020152 [get it](#)  
RP-15 19/03/2002 2 . 0 . 0 RP-020153 [get it](#)  
RP-15 02/04/2002 5 . 0 . 0 [get it](#)

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**TR 25.890 High Speed Downlink Packet Access (HSDPA); User Equipment (UE) radio transmission and reception (FDD)**

Rel-5 *current version:* 1.0.0 DRAFT *WG (prime / other):* R4 / *rapporteur:* FERNANDES, Edgar MOTOROLA A/S  
*freeze\_meeting:* SP-15 *G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar  
*history (event, available, version,*  
draft 0 . 0 . 0 *remarks - general:*  
RP-16 26/06/2002 1 . 0 . 0 RP-020376 [get it](#) *remarks - this release:* .

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**TR 25.921 Guidelines and principles for protocol description and error handling**

Rel-5 *current version:* 5.1.0 *WG (prime / other):* R2 / - *rapporteur:* KALLA, Gairn NOKIA UK Ltd  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* ARZELIER, Claude  
*history (event, available, version,*  
RP-15 19/03/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
RP-18 13/01/2003 5 . 1 . 0 [get it](#) *remarks - this release:* .

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**TR 25.922 Radio Resource Management Strategies**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* R2 / - *rapporteur:* BULDORINI, Andrea TELECOMITALIA S.p.A.  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* ARZELIER, Claude  
*history (event, available, version,*  
RP-15 19/03/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TR 25.931 UTRAN Functions, examples on signalling procedures**

Rel-5 *current version:* 5.1.0 *WG (prime / other):* R3 / - *rapporteur:* CASALINO, Francesco TELECOM ITALIA S.p.A.  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* KRAUSE, Joern  
*history (event, available, version,*  
RP-15 02/04/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
RP-16 28/06/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .

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<b>TR 25.933</b>	<b>IP transport in UTRAN</b>							
Rel-5	<i>current version:</i> 5.3.0							
	<i>freeze_meeting:</i> RP-15							
	<i>history (event, available, version,</i>							
	RP-15 28/03/2002	5	.	0	.	0		
	RP-16 28/06/2002	5	.	1	.	0		
	RP-17 03/10/2002	5	.	2	.	0		
	RP-20 17/06/2003	5	.	3	.	0		
							<a href="#">get it</a>	<i>remarks - general:</i>
							<a href="#">get it</a>	<i>remarks - this release:</i> 2001-12-05: Rel-4 abandoned in favour of Rel-5 (Drevon).
							<a href="#">get it</a>	
							<a href="#">get it</a>	
<b>TR 25.942</b>	<b>RF system scenarios</b>							
Rel-5	<i>current version:</i> 5.1.0							
	<i>freeze_meeting:</i> RP-15							
	<i>history (event, available, version,</i>							
	RP-15 02/04/2002	5	.	0	.	0		
	RP-16 03/07/2002	5	.	1	.	0		
							<a href="#">get it</a>	<i>remarks - general:</i> Additional rapporteur = A.De Pasquale.
							<a href="#">get it</a>	<i>remarks - this release:</i> .
<b>TR 25.943</b>	<b>Deployment aspects</b>							
Rel-5	<i>current version:</i> 5.1.0							
	<i>freeze_meeting:</i> RP-15							
	<i>history (event, available, version,</i>							
	RP-15 02/04/2002	5	.	0	.	0		
	edito 03/05/2002	5	.	0	.	1		
	RP-16 03/07/2002	5	.	1	.	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>	
<b>TR 25.945</b>	<b>RF requirements for low chip rate TDD option</b>							
Rel-5	<i>current version:</i> 5.0.0							
	<i>freeze_meeting:</i> RP-15							
	<i>history (event, available, version,</i>							
	RP-15 02/04/2002	5	.	0	.	0		
							<a href="#">get it</a>	<i>remarks - general:</i>
								<i>remarks - this release:</i> .

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<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	
	<i>freeze_meeting:</i> RP-15	G: U: yes	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar		
	<i>history (event, available, version,</i>				
	RP-12 2 . 0 . 0	RP-010457		<i>remarks - general:</i>	
	RP-12 29/06/2001 5 . 0 . 0			<i>remarks - this release:</i> promoted from Rel-4 at RP-12.	
	RP-16 03/07/2002 5 . 1 . 0			<a href="#">get it</a>	
	RP-19 04/04/2003 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 DE ESPAÑA SA	
	<i>freeze_meeting:</i> RP-15	G: U: yes	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar		
	<i>history (event, available, version,</i>				
	RP-15 02/04/2002 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> .
					<i>remarks - this release:</i> .
<hr/>					
<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	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar		
	<i>history (event, available, version,</i>				
	RP-14 02/01/2002 1 . 0 . 0	RP-010892		<a href="#">get it</a>	<i>remarks - general:</i>
	RP-15 19/03/2002 2 . 0 . 0	RP-020121		<a href="#">get it</a>	<i>remarks - this release:</i> .
	RP-15 02/04/2002 5 . 0 . 0			<a href="#">get it</a>	
	RP-18 10/01/2003 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> 5.0.0	<i>WG (prime / other):</i> R2 /	<i>rapporteur:</i> FAUCONNIER, Denis	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> SP-15	G: U: yes	<i>MCC:</i> ARZELIER, Claude		
	<i>history (event, available, version,</i>				
	RP-18 13/01/2003 5 . 0 . 0	Back creation from Rel-6 version		<a href="#">get it</a>	<i>remarks - general:</i>
					<i>remarks - this release:</i> Pointer to latest release version.

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<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 <i>freeze_meeting:</i> SP-15	DRAFT	<i>WG (prime / other):</i> R2 / R1, R3, R4	<i>rapporteur:</i> COURAU, François	ALCATEL S.A.					
	<i>history (event, available, version,</i> RP-18 06/01/2003 0 . 0 . 0	RP-020880	G: U: yes	MCC: ARZELIER, Claude						
			<a href="#">get it</a>	<i>remarks - general:</i> RP-20: Primary responsibility moved from RP to R2. <i>remarks - this release:</i> .						

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<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 specification</b>									
Rel-5	<i>current version:</i> 0.0.1 <i>freeze_meeting:</i> SP-15	DRAFT	<i>WG (prime / other):</i> R2 / R1, R3, R4	<i>rapporteur:</i> COURAU, François	ALCATEL S.A.					
	<i>history (event, available, version,</i> draft 0 . 0 . 1		G: U: yes	MCC: ARZELIER, Claude						
				<i>remarks - general:</i> RP-20: Primary responsibility moved from RP to R2. <i>remarks - this release:</i> .						

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Rel-5 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 26.071</b>	<b>AMR speech Codec; General description</b>									
Rel-5	<i>current version:</i> 5.0.0 <i>freeze_meeting:</i> SP-16		<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik	Telefon AB LM Ericsson					
	<i>history (event, available, version,</i> SP-16 28/06/2002 5 . 0 . 0		G: yes U: yes	MCC: USAI, Paolino						
			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4 <i>remarks - this release:</i> .						

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<b>TS 26.073</b>	<b>AMR speech Codec; C-source code</b>									
Rel-5	<i>current version:</i> 5.1.0 <i>freeze_meeting:</i> SP-16		<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik	Telefon AB LM Ericsson					
	<i>history (event, available, version,</i> SP-16 28/06/2002 5 . 0 . 0 SP-19 04/04/2003 5 . 1 . 0		G: yes U: yes	MCC: USAI, Paolino						
			<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .						

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<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,</i> SP-16 28/06/2002 5 . 0 . 0					<a href="#">get it</a> <i>remarks - general:</i> Transfer>TSG#4 <i>remarks - this release:</i> .
<hr/>						
<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,</i> SP-16 28/06/2002 5 . 0 . 0					<a href="#">get it</a> <i>remarks - general:</i>
	correct spelling 17/06/2003 5 . 0 . 1 No SDO publication necessary mistake in title					<a href="#">get it</a> <i>remarks - this release:</i> .
<hr/>						
<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,</i> SP-16 28/06/2002 5 . 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-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,</i> SP-16 28/06/2002 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,</i> SP-16 28/06/2002 5 . 0 . 0					<a href="#">get it</a> <i>remarks - general:</i> Transfer>TSG#4 <i>remarks - this release:</i> .

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

Rel-5 *current version:* 5.2.0  
*freeze\_meeting:* SP-16

*WG (prime / other):* S4 / - *rapporteur:* EKUDDEN, Erik  
*G: yes U: yes* *MCC:* USAI, Paolino

Telefon AB LM Ericsson

*history (event, available, version,*  
SP-16 28/06/2002 5 . 0 . 0  
SP-17 24/09/2002 5 . 1 . 0  
SP-18 03/01/2003 5 . 2 . 0

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

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**TS 26.094 AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels**

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* SP-16

*WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino  
*G: yes U: yes* *MCC:* USAI, Paolino

TELECOM ITALIA S.p.A.

*history (event, available, version,*  
SP-16 28/06/2002 5 . 0 . 0

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

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**TS 26.101 Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure**

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* SP-16

*WG (prime / other):* S4 / - *rapporteur:* HAGQVIST, Jari  
*G: U: yes* *MCC:* USAI, Paolino

NOKIA Corporation

*history (event, available, version,*  
SP-16 28/06/2002 5 . 0 . 0

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

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**TS 26.102 Adaptive Multi-Rate (AMR) speech codec; Interface to Iu and Uu**

Rel-5 *current version:* 5.2.0  
*freeze\_meeting:* SP-16

*WG (prime / other):* S4 / - *rapporteur:* NAVARRO, William  
*G: yes U: yes* *MCC:* USAI, Paolino

NORTEL NETWORKS (EUROPE)

*history (event, available, version,*  
SP-16 28/06/2002 5 . 0 . 0  
SP-18 03/01/2003 5 . 1 . 0  
SP-19 04/04/2003 5 . 2 . 0

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

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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	MCC: USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-11 10/04/2001 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> New after TSG#5			
	SP-15 28/03/2002 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-16 28/06/2002 5 . 2 . 0	<a href="#">get it</a>				
	SP-17 24/09/2002 5 . 3 . 0	<a href="#">get it</a>				
	SP-18 03/01/2003 5 . 4 . 0	<a href="#">get it</a>				
<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> 5.2.0	<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	MCC: USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-16 28/06/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-19 04/04/2003 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	SP-20 25/06/2003 5 . 2 . 0	<a href="#">get it</a>				
<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	MCC: USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-16 28/06/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			
<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	MCC: USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-16 28/06/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> CR at TSG#5			
	SP-20 25/06/2003 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
<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	MCC: USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-16 28/06/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			

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**TS 26.131 Terminal acoustic characteristics for telephony; Requirements**

Rel-5 *current version:* 5.2.0 *WG (prime / other):* S4 / - *rapporteur:* GOETZ, Ian TELLABS OPERATIONS INC.  
*freeze\_meeting:* SP-15 *G:* yes *U:* yes *MCC:* USAI, Paolino  
*history (event, available, version,*  
SP-11 10/04/2001 5 . 0 . 0 [get it](#) *remarks - general:*  
SP-13 02/10/2001 5 . 1 . 0 [get it](#) *remarks - this release:*  
SP-17 24/09/2002 5 . 2 . 0 [get it](#)

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**TS 26.132 Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification**

Rel-5 *current version:* 5.3.0 *WG (prime / other):* S4 / - *rapporteur:* GOETZ, Ian TELLABS OPERATIONS INC.  
*freeze\_meeting:* SP-15 *G:* yes *U:* yes *MCC:* USAI, Paolino  
*history (event, available, version,*  
SP-11 10/04/2001 5 . 0 . 0 [get it](#) *remarks - general:*  
SP-13 02/10/2001 5 . 1 . 0 [get it](#) *remarks - this release:*  
SP-15 28/03/2002 5 . 2 . 0 [get it](#)  
SP-17 24/09/2002 5 . 3 . 0 [get it](#)

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**TS 26.140 Multimedia Messaging Service (MMS); Media formats and codes**

Rel-5 *current version:* 5.2.0 *WG (prime / other):* S4 / T2 *rapporteur:* CASTAGNO, Roberto NOKIA Corporation  
*freeze\_meeting:* SP-15 *G:* yes *U:* yes *MCC:* USAI, Paolino  
*history (event, available, version,*  
SP-14 02/01/2002 1 . 0 . 0 SP-010695 [get it](#) *remarks - general:*  
SP-15 19/03/2002 2 . 0 . 0 SP-020075 [get it](#) *remarks - this release:* .  
SP-15 28/03/2002 5 . 0 . 0 [get it](#)  
SP-16 28/06/2002 5 . 1 . 0 [get it](#)  
SP-18 03/01/2003 5 . 2 . 0 [get it](#)

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**TS 26.171 AMR speech codec, wideband; General description**

Rel-5 *current version:* 5.0.0 *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,*  
SP-10 1 . 0 . 0 *remarks - general:*  
SP-11 10/04/2001 5 . 0 . 0 [get it](#) *remarks - this release:*

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**TS 26.173 ANSI-C code for the Adaptive Multi-Rate - Wideband (AMR-W) speech codec**

Rel-5 *current version:* 5.7.1 *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,*

SP-11	10/04/2001	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i> 2001-10-01: added "G" flag.
SP-12	27/06/2001	5	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
edito	27/06/2001	5	.	1	.	1	<a href="#">get it</a>	
SP-13	02/10/2001	5	.	2	.	0	<a href="#">get it</a>	
SP-14	09/01/2002	5	.	3	.	0	<a href="#">get it</a>	
SP-15	28/03/2002	5	.	4	.	0	<a href="#">get it</a>	
SP-18	03/01/2003	5	.	5	.	0	<a href="#">get it</a>	
SP-19	04/04/2003	5	.	6	.	0	<a href="#">get it</a>	
SP-20	25/06/2003	5	.	7	.	0	<a href="#">get it</a>	
SP-20	27/06/2003	5	.	7	.	1	<a href="#">get it</a>	Includes C-code!

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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,*

SP-11	10/04/2001	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
SP-12	27/06/2001	5	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
correction to test	12/11/2001	5	.	1	.	1	<a href="#">get it</a>	
sequences								
SP-14	09/01/2002	5	.	2	.	0	<a href="#">get it</a>	
SP-15	28/03/2002	5	.	3	.	0	<a href="#">get it</a>	
SP-18	03/01/2003	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,*

SP-11	10/04/2001	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
SP-14	09/01/2002	5	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>

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<b>TS 26.191</b>	<b>AMR speech codec, wideband; Error concealment of lost frames</b>					
Rel-5	<i>current version:</i> 5.1.0	<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,</i>					
	SP-11 10/04/2001 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-15 28/03/2002 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>						
<b>TS 26.192</b>	<b>Mandatory Speech Codec speech processing functions AMR Wideband Speech Codec; Comfort noise aspects</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,</i>					
	SP-11 10/04/2001 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			
<hr/>						
<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,</i>					
	SP-11 10/04/2001 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,</i>					
	SP-11 10/04/2001 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,</i>					
	SP-11 10/04/2001 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

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<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,</i>			<i>remarks - general:</i>	
	draft	1 . 0 . 0		<i>remarks - this release:</i>	
	SP-11 02/08/2001	2 . 0 . 0	<a href="#">get it</a>		SP-010091
	SP-11 10/04/2001	5 . 0 . 0	<a href="#">get it</a>		
	SP-17 24/09/2002	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> 5.1.0	<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,</i>			<i>remarks - general:</i>	
	SP-14 02/01/2002	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .	SP-010693
	SP-15 19/03/2002	2 . 0 . 0	<a href="#">get it</a>		SP-020073
	SP-15 28/03/2002	5 . 0 . 0	<a href="#">get it</a>		
	SP-19 04/04/2003	5 . 1 . 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,</i>			<i>remarks - general:</i> SP-16: in "GERAN" set.	
	SP-11 10/04/2001	5 . 0 . 0	<a href="#">get it</a>	<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,</i>			<i>remarks - general:</i> SP-16: in "GERAN" set.	
	SP-11 10/04/2001	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> TSG#10:2.0.0=SP-000570(Rel-5)->Rel-4	
	correct c-code 29/05/2001	5 . 0 . 1	<a href="#">get it</a>		

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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	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-10 21/12/2000	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	SP-16: in "GERAN" set.	
	SP-11 10/04/2001	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-13 02/10/2001	5 . 1 . 0	<a href="#">get it</a>			
	SP-15 28/03/2002	5 . 2 . 0	<a href="#">get it</a>			
<hr/>						
<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> yes <i>U:</i> yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-15 28/03/2002	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> 5.5.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> FRANCESCHI, Olle			Nippon Ericsson K.K.
	<i>freeze_meeting:</i> SP-15	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-15 28/03/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-16 28/06/2002	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	.	
	SP-17 24/09/2002	5 . 2 . 0	<a href="#">get it</a>			
	SP-18 03/01/2003	5 . 3 . 0	<a href="#">get it</a>			
	SP-19 04/04/2003	5 . 4 . 0	<a href="#">get it</a>			
	SP-20 25/06/2003	5 . 5 . 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> yes <i>U:</i> yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-12 27/06/2001	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		based on v4.1.0
	SP-15 28/03/2002	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	SP-12: transferred to Rel-5.	

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<b>TS 26.236</b>	<b>Packet switched conversational multimedia applications; Transport protocols</b>					
Rel-5	<i>current version:</i> 5.3.0	<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,</i>					
	SP-14 02/01/2002 1 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-15 19/03/2002 2 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .		
	SP-15 28/03/2002 5 . 0 . 0		<a href="#">get it</a>			
	SP-18 03/01/2003 5 . 1 . 0		<a href="#">get it</a>			
	SP-19 04/04/2003 5 . 2 . 0		<a href="#">get it</a>			
	SP-20 25/06/2003 5 . 3 . 0		<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-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	<i>G:</i> yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-16 28/06/2002 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-19 04/04/2003 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> 2.0.0	DRAFT	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> VARSA, Viktor	Nokia Telecommunications Inc.	
	<i>freeze_meeting:</i> SP-15		<i>G:</i> U: yes	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>					
	S4-19 16/01/2002 0 . 1 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-18 03/01/2003 1 . 2 . 0		<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 04/04/2003 1 . 4 . 0		<a href="#">get it</a>			
	S4-26 17/06/2003 1 . 5 . 0		<a href="#">get it</a>			
	SP-21 2 . 0 . 0					
<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	<i>G:</i> yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-16 28/06/2002 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> .		

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<b>TR 26.976</b>	<b>Performance characterization of the Adaptive Multi-Rate Wideband (AMR-WB) speech codec</b>				
Rel-5	current version: 5.0.0	WG (prime / other): S4 / -	rapporteur: VAINIO, Janne	NOKIA Corporation	
	freeze_meeting: NP-16	G: yes U: yes	MCC: USAI, Paolino		
	history (event, available, version,			remarks - general:	Cf 26.975.
	draft	0 . 0 . 1		remarks - this release:	.
	SP-12 27/06/2001	0 . 3 . 0	<a href="#">get it</a>		
	SP-14 02/01/2002	0 . 6 . 0	<a href="#">get it</a>		
	SP-17 24/09/2002	1 . 0 . 0	<a href="#">get it</a>		
	SP-18 16/01/2003	2 . 0 . 0	<a href="#">get it</a>		
	SP-18 03/01/2003	5 . 0 . 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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<b>TS 27.001</b>	<b>General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)</b>				
Rel-5	current version: 5.6.0	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,			remarks - general:	
	NP-14 11/01/2002	5 . 0 . 0	<a href="#">get it</a>	remarks - this release:	.
	NP-15 20/03/2002	5 . 1 . 0	<a href="#">get it</a>		
	NP-16 24/06/2002	5 . 2 . 0	<a href="#">get it</a>		
	NP-17 17/09/2002	5 . 3 . 0	<a href="#">get it</a>		
	NP-18 09/01/2003	5 . 4 . 0	<a href="#">get it</a>		
	NP-19 27/03/2003	5 . 5 . 0	<a href="#">get it</a>		
	NP-20 25/06/2003	5 . 6 . 0	<a href="#">get it</a>		

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<b>TS 27.002</b>	<b>Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities</b>				
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,			remarks - general:	
	NP-14 11/01/2002	5 . 0 . 0	<a href="#">get it</a>	remarks - this release:	.

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

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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,*  
NP-14 11/01/2002 5 . 0 . 0

[get it](#) *remarks - general:*  
*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-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,*  
TP-16 25/06/2002 5 . 0 . 0

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

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**TS 27.007 AT command set for 3G User Equipment (UE)**

Rel-5 *current version:* 5.3.0 *WG (prime / other):* T2 / - *rapporteur:* CHRISTENSEN, Soren Telefon AB LM Ericsson  
*freeze\_meeting:* TP-15 *G:* yes *U:* yes *MCC:* RODERMUND, Friedhelm  
*history (event, available, version,*  
TP-14 15/01/2002 5 . 0 . 0  
TP-15 04/04/2002 5 . 1 . 0  
TP-18 20/12/2002 5 . 2 . 0  
TP-19 31/03/2003 5 . 3 . 0

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

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**TS 27.010 Terminal Equipment to User Equipment (TE-UE) multiplexer protocol**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* T2 / - *rapporteur:* BROOK, Richard SAMSUNG Electronics Research Institute  
*freeze\_meeting:* TP-15 *G:* yes *U:* yes *MCC:* RODERMUND, Friedhelm  
*history (event, available, version,*  
TP-16 26/06/2002 5 . 0 . 0

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

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## TS 27.060 Packet domain; Mobile Station (MS) supporting Packet Switched services

Rel-5 *current version:* 5.4.0 *WG (prime / other):* N3 / - *rapporteur:* WILD, Johanna MOTOROLA Ltd  
*freeze\_meeting:* NP-15 *G:* yes *U:* yes *MCC:* BOSWARTHICK, David  
*history (event, available, version,*  
NP-14 11/01/2002 5 . 0 . 0 [get it](#) *remarks - general:* GPRS  
NP-16 24/06/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
NP-17 17/09/2002 5 . 2 . 0 [get it](#)  
NP-18 09/01/2003 5 . 3 . 0 [get it](#)  
NP-20 23/06/2003 5 . 4 . 0 [get it](#)

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## TS 27.103 Wide Area Network Synchronization

Rel-5 *current version:* 5.0.0 *WG (prime / other):* T2 / - *rapporteur:* CHAU, Alan NOKIA UK Ltd  
*freeze\_meeting:* TP-15 *G:* yes *U:* yes *MCC:* RODERMUND, Friedhelm  
*history (event, available, version,*  
TP-16 26/06/2002 5 . 0 . 0 [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 *WG (prime / other):* T2 / - *rapporteur:* REX, Thomas ERICSSON MOBILE COMMUNICATIONS AB  
*freeze\_meeting:* TP-15 *G:* yes *U:* yes *MCC:* RODERMUND, Friedhelm  
*history (event, available, version,*  
TP-16 26/06/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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## TS 28.062 Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3

Rel-5 *current version:* 5.3.0 *WG (prime / other):* S4 / - *rapporteur:* SUERBAUM, Clemens SIEMENS AG  
*freeze\_meeting:* SP-15 *G:* yes *U:* yes *MCC:* USAI, Paolino  
*history (event, available, version,*  
SP-15 28/03/2002 5 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4  
SP-16 28/06/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
SP-17 24/09/2002 5 . 2 . 0 [get it](#)  
SP-18 03/01/2003 5 . 3 . 0 [get it](#)

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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)

## TS 29.002 Mobile Application Part (MAP) specification

Rel-5 *current version:* 5.6.2

*freeze\_meeting:* NP-15

*WG (prime / other):* N4 / -

*rapporteur:* WIEHE, Ulrich

Gesellschaft für Kommunikations Software

*G:* yes *U:* yes

*MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*

NP-14 18/01/2002 5 . 0 . 0

[get it](#)

*remarks - general:*

NP-15 04/04/2002 5 . 1 . 0

[get it](#)

*remarks - this release: .*

NP-16 21/06/2002 5 . 2 . 0

[get it](#)

NP-17 24/09/2002 5 . 3 . 0

[get it](#)

NP-18 09/01/2003 5 . 4 . 0

[get it](#)

NP-19 04/04/2003 5 . 5 . 0

[get it](#)

NP-20 04/07/2003 5 . 6 . 0

[get it](#)

delayed availability due to complexity of changes

Correct dangling connector in SDL 07/07/2003 5 . 6 . 1

[get it](#)

Mention of some CRs had been omitted from change history table 15/07/2003 5 . 6 . 2

[get it](#)

## 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:* 5.6.0

*freeze\_meeting:* NP-15

*WG (prime / other):* N3 / -

*rapporteur:* KLEHN, Norbert

SIEMENS AG

*G:* yes *U:* yes

*MCC:* BOSWARTHICK, David

*history (event, available, version,*

NP-14 11/01/2002 5 . 0 . 0

[get it](#)

*remarks - general:*

NP-15 20/03/2002 5 . 1 . 0

[get it](#)

*remarks - this release: .*

NP-16 28/06/2002 5 . 2 . 0

[get it](#)

NP-17 17/09/2002 5 . 3 . 0

[get it](#)

NP-18 09/01/2003 5 . 4 . 0

[get it](#)

NP-19 27/03/2003 5 . 5 . 0

[get it](#)

NP-20 23/06/2003 5 . 6 . 0

[get it](#)

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



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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: Procedures and the Mobile Application Part (MAP)</i>	5.3.1	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,</i>									
	NP-16	21/06/2002	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4 (transfer??)
	NP-17	18/09/2002	5	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	.
	NP-18	07/01/2003	5	.	2	.	0	<a href="#">get it</a>		
	NP-20	27/06/2003	5	.	3	.	0	<a href="#">get it</a>		
	Implemented CR	04/07/2003	5	.	3	.	1	<a href="#">get it</a>		
	29.010-090									
	removed									
<hr/>										
<b>TS 29.011</b>	<b>Signalling Interworking for Supplementary Services</b>									
Rel-5	<i>current version: 5.0.0</i>		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,</i>									
	NP-16	25/06/2002	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	
									<i>remarks - this release:</i>	.
<hr/>										
<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: 5.0.0</i>		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,</i>									
	NP-16	25/06/2002	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4
									<i>remarks - this release:</i>	.
<hr/>										
<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: 5.0.0</i>		WG (prime / other):	N1	/-	<i>rapporteur:</i>	MILLS, Duncan		VODAFONE Group Plc	
	<i>freeze_meeting:</i> NP-15		G: yes	U: yes		MCC:	JORGENSEN, Per Johan			
	<i>history (event, available, version,</i>									
	NP-16	26/06/2002	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	
									<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-5	<i>current version:</i> 5.4.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> MILLS, Duncan	VODAFONE Group Plc	
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version,</i>				
	NP-14 04/01/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	NP-15 19/03/2002	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	.
	NP-16 26/06/2002	5 . 2 . 0	<a href="#">get it</a>		
	NP-18 18/12/2002	5 . 3 . 0	<a href="#">get it</a>		
	NP-20 03/07/2003	5 . 4 . 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> 5.6.0	<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,</i>				
	NP-14 11/01/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	NP-14 editorial 18/01/2002	5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>	.
	NP-15 28/03/2002	5 . 1 . 0	<a href="#">get it</a>		
	NP-16 21/06/2002	5 . 2 . 0	<a href="#">get it</a>		
	NP-17 18/09/2002	5 . 3 . 0	<a href="#">get it</a>		
	NP-18 07/01/2003	5 . 4 . 0	<a href="#">get it</a>		
	NP-19 04/04/2003	5 . 5 . 0	<a href="#">get it</a>		
	NP-20 27/06/2003	5 . 6 . 0	<a href="#">get it</a>		
<hr/>					
<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> 5.6.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> WILD, Johanna	MOTOROLA Ltd	
	<i>freeze_meeting:</i> NP-17	G: yes U: yes	<i>MCC:</i> BOSWARTHICK, David		
	<i>history (event, available, version,</i>				
	NP-14 14/01/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Former title: "General Packet Radio Service (GPRS); Interworking between the
	NP-15 20/03/2002	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	NP-16: spec should not be considered Public
	Land Mobile Network (PLMN) supporting GPRS and Packet".				
	as frozen; withdraw SDO publications?				frozen yet. So change freeze date from March 2002 to Sept 2002.
	NP-16 02/07/2002	5 . 2 . 0	<a href="#">get it</a>		
	edito post NP-16 25/07/2002	5 . 2 . 1	<a href="#">get it</a>		
	NP-17 17/09/2002	5 . 3 . 0	<a href="#">get it</a>		
	NP-18 09/01/2003	5 . 4 . 0	<a href="#">get it</a>		
	NP-19 27/03/2003	5 . 5 . 0	<a href="#">get it</a>		
	NP-20 23/06/2003	5 . 6 . 0	<a href="#">get it</a>		

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<b>TS 29.078</b>	<b>Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification</b>				
Rel-5	<i>current version:</i> 5.4.0	<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,</i>				
	NP-16 18/06/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4		
	NP-17 17/09/2002 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> Phase 4		
	NP-18 18/12/2002 5 . 2 . 0	<a href="#">get it</a>			
	NP-19 25/03/2003 5 . 3 . 0	<a href="#">get it</a>			
	NP-20 25/06/2003 5 . 4 . 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> KRAUSE, Joern		
	<i>history (event, available, version,</i>				
	RP-15 25/03/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> TSG#8:Appeared as v2.0.0 (RP-000258)		
	RP-16 28/06/2002 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	RP-18 03/01/2003 5 . 2 . 0	<a href="#">get it</a>			
	RP-19 26/03/2003 5 . 3 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 29.119</b>	<b>GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> AIKAWA, Shinichiro	Fujitsu Limited	
	<i>freeze_meeting:</i> NP-15	G: U: yes	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>				
	NP-16 25/06/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> New after TSG#5		
			<i>remarks - this release:</i> .		
<hr/>					
<b>TS 29.120</b>	<b>Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3</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	G: U: yes	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>				
	NP-16 25/06/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> New after TSG#5		
			<i>remarks - this release:</i> .		

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## TS 29.198-01 Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview

Rel-5 *current version:* 5.2.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
NP-16 26/06/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
NP-17 01/10/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
N5-22 04/04/2003 5 . 1 . 1 (Introduction, Reference Titles) [get it](#)  
NP-20 18/06/2003 5 . 2 . 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:* 5.3.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
NP-16 26/06/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
NP-17 01/10/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
add missing 09/10/2002 5 . 1 . 1 [get it](#)  
attachments post  
NP-17  
NP-19 04/04/2003 5 . 2 . 0 [get it](#)  
NP-20 18/06/2003 5 . 3 . 0 [get it](#)

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

Rel-5 *current version:* 5.3.0 *WG (prime / other):* N5 / *rapporteur:* BENNETT, Andy Lucent Technologies Network Systems UK  
*freeze\_meeting:* NP-16 *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
NP-16 05/07/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
NP-17 01/10/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
NP-19 04/04/2003 5 . 2 . 0 [get it](#)  
NP-20 18/06/2003 5 . 3 . 0 [get it](#)

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

Rel-5 *current version:* 5.3.0 *WG (prime / other):* N5 / *rapporteur:* BAKKER, John-Luc Telcordia Technologies, Inc.  
*freeze\_meeting:* NP-16 *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
NP-16 19/07/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
NP-17 01/10/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
NP-19 04/04/2003 5 . 2 . 0 [get it](#)  
NP-20 18/06/2003 5 . 3 . 0 [get it](#)

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<b>TS 29.198-04- Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control data Service Capability Feature (SCF)</b>					
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> N5 /	<i>rapporteur:</i> BAKKER, John-Luc	Telcordia Technologies, Inc.	
	<i>freeze_meeting:</i> NP-16	<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian		
<i>history (event, available, version,</i>					
	NP-16	19/07/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
	NP-17	01/10/2002	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release: .</i>
	NP-19	04/04/2003	5 . 2 . 0	<a href="#">get it</a>	
	NP-20	18/06/2003	5 . 3 . 0	<a href="#">get it</a>	
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<b>TS 29.198-04- Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data Service Capability Feature (SCF)</b>					
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> N5 /	<i>rapporteur:</i> BAKKER, John-Luc	Telcordia Technologies, Inc.	
	<i>freeze_meeting:</i> NP-16	<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian		
<i>history (event, available, version,</i>					
	NP-16	19/07/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
	NP-17	01/10/2002	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release: .</i>
	NP-19	04/04/2003	5 . 2 . 0	<a href="#">get it</a>	
	NP-20	18/06/2003	5 . 3 . 0	<a href="#">get it</a>	
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<b>TS 29.198-04- Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)</b>					
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> N5 /	<i>rapporteur:</i> BAKKER, John-Luc	Telcordia Technologies, Inc.	
	<i>freeze_meeting:</i> NP-16	<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian		
<i>history (event, available, version,</i>					
	NP-16	19/07/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
	NP-17	01/10/2002	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release: .</i>
	NP-19	04/04/2003	5 . 2 . 0	<a href="#">get it</a>	
	NP-20	18/06/2003	5 . 3 . 0	<a href="#">get it</a>	
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<b>TS 29.198-05 Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction</b>					
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> N5 /	<i>rapporteur:</i> ABARCA, Chelo	ALCATEL S.A.	
	<i>freeze_meeting:</i> NP-15	<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian		
<i>history (event, available, version,</i>					
	NP-16	26/06/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
	NP-17	01/10/2002	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release: .</i>
	NP-19	04/04/2003	5 . 2 . 0	<a href="#">get it</a>	
	NP-20	18/06/2003	5 . 3 . 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:* 5.2.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
NP-16 26/06/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
NP-17 01/10/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
NP-19 04/04/2003 5 . 2 . 0 [get it](#)

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

Rel-5 *current version:* 5.3.0 *WG (prime / other):* N5 / *rapporteur:* SAARENPA, Matti NOKIA Corporation  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
NP-15 27/03/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
NP-16 26/06/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
NP-17 01/10/2002 5 . 2 . 0 [get it](#)  
NP-19 04/04/2003 5 . 3 . 0 [get it](#)

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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:* 5.3.0 *WG (prime / other):* N5 / *rapporteur:* UNMEHOPA, Musa Lucent Technologies Nederland B.V.  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
NP-16 26/06/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
NP-17 01/10/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
NP-19 04/04/2003 5 . 2 . 0 [get it](#)  
NP-20 18/06/2003 5 . 3 . 0 [get it](#)

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**TS 29.198-11 Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management**

Rel-5 *current version:* 5.2.0 *WG (prime / other):* N5 / *rapporteur:* SCHILDERS, Koen Telefon AB LM Ericsson  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
NP-16 05/07/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
NP-17 01/10/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
NP-19 04/04/2003 5 . 2 . 0 [get it](#)

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**TS 29.198-12 Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging**

Rel-5 *current version:* 5.2.0 *WG (prime / other):* N5 / *rapporteur:* SCHILDERS, Koen Telefon AB LM Ericsson  
*freeze\_meeting:* NP-16 *G:* U: yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
NP-16 05/07/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
NP-17 01/10/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
NP-19 04/04/2003 5 . 2 . 0 [get it](#)

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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:* 5.1.0 *WG (prime / other):* N5 / *rapporteur:* UNMEHOPA, Musa Lucent Technologies Nederland B.V.  
*freeze\_meeting:* NP-16 *G:* U: yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
draft 29/01/2002 0 . 0 . 1 N5-020036 [get it](#) *remarks - general:*  
draft 22/04/2002 1 . 0 . 0 [get it](#) *remarks - this release:* .  
NP-16 31/05/2002 2 . 0 . 0 NP-020195 [get it](#)  
NP-16 17/06/2002 5 . 0 . 0 [get it](#)  
NP-17 01/10/2002 5 . 1 . 0 [get it](#)

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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:* 5.2.0 *WG (prime / other):* N5 / *rapporteur:* VENKATESH, Guda Teltier Technologies  
*freeze\_meeting:* NP-16 *G:* U: yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
draft 22/04/2002 1 . 0 . 0 [get it](#) *remarks - general:*  
NP-16 31/05/2002 2 . 0 . 0 NP-020196 [get it](#) *remarks - this release:* .  
NP-16 17/06/2002 5 . 0 . 0 [get it](#)  
NP-17 01/10/2002 5 . 1 . 0 [get it](#)  
NP-20 18/06/2003 5 . 2 . 0 [get it](#)

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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,*  
NP-16 25/06/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
NP-17 18/09/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
NP-18 07/01/2003 5 . 2 . 0 [get it](#)

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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,</i>				
	NP-16 25/06/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-20 27/06/2003 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> 5.4.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> YOKOTA, Daisuke	Lucent Technologies Network Systems UK	
	<i>freeze_meeting:</i> NP-16	<i>G:</i> yes U: yes	<i>MCC:</i> BOSWARTHICK, David		
	<i>history (event, available, version,</i>				
	draft 08/11/2001 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 14/01/2002 0 . 5 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	draft 18/02/2002 0 . 6 . 0	<a href="#">get it</a>			
	NP-15 19/03/2002 1 . 0 . 0 NP-020078	<a href="#">get it</a>			
	draft 18/04/2002 1 . 1 . 0	<a href="#">get it</a>			
	NP-16 26/06/2002 2 . 0 . 0 NP-020167 (RFC ref needs cleaning)	<a href="#">get it</a>			
	NP-16 28/06/2002 5 . 0 . 0	<a href="#">get it</a>			
	NP-17 19/09/2002 5 . 1 . 0	<a href="#">get it</a>			
	NP-18 14/01/2003 5 . 2 . 0	<a href="#">get it</a>			
	NP-19 27/03/2003 5 . 3 . 0	<a href="#">get it</a>			
	NP-20 25/06/2003 5 . 4 . 0	<a href="#">get it</a>			

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[http://www.3gpp.org/ftp/Specs/archive/29\\_series](http://www.3gpp.org/ftp/Specs/archive/29_series)

## TS 29.208 End to end Quality of Service (QoS) signalling flows

Rel-5 current version: 5.4.0  
freeze\_meeting: NP-16  
history (event, available, version,

WG (prime / other): N3 / rapporteur: YOKOTA, Daisuke Lucent Technologies Network Systems UK  
G: yes U: yes MCC: BOSWARTHICK, David

draft	08/11/2001	0	.	1	.	0		<a href="#">get it</a>	remarks - general:
draft	14/01/2002	0	.	2	.	0		<a href="#">get it</a>	remarks - this release: .
draft	18/02/2002	0	.	3	.	1		<a href="#">get it</a>	
NP-15	19/03/2002	1	.	0	.	0	NP-020079	<a href="#">get it</a>	
draft	18/04/2002	1	.	1	.	0		<a href="#">get it</a>	
NP-16	26/06/2002	2	.	0	.	0	NP-020166	<a href="#">get it</a>	
NP-16	28/06/2002	5	.	0	.	0		<a href="#">get it</a>	
NP-17	18/09/2002	5	.	1	.	0		<a href="#">get it</a>	
NP-18	09/01/2003	5	.	2	.	0		<a href="#">get it</a>	
NP-19	27/03/2003	5	.	3	.	0		<a href="#">get it</a>	
ediotiral post	09/04/2003	5	.	3	.	1		<a href="#">get it</a>	
NP-19									
NP-20	23/06/2003	5	.	4	.	0		<a href="#">get it</a>	

## TS 29.228 IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents

Rel-5 current version: 5.4.0  
freeze\_meeting: NP-16  
history (event, available, version,

WG (prime / other): N4 / rapporteur: PALLARES LÓPEZ, Telefon AB LM Ericsson Miguel Angel  
G: yes U: yes MCC: KYMALAINEN, Kimmo

NP-12	04/07/2001	0	.	1	.	0	NP-010303	<a href="#">get it</a>	remarks - general: Additional rapporteur: Miguel-Angel Pallares-Lopez
N4-08		0	.	2	.	0	N4-010697		remarks - this release: .
N4-09		0	.	3	.	0	N4-010837		
N4-11		0	.	4	.	0	N4-011295		
draft		0	.	5	.	0	N4-01407		
NP-14	02/01/2002	1	.	0	.	0	NP-010627	<a href="#">get it</a>	
draft	28/03/2002	1	.	1	.	0		<a href="#">get it</a>	
NP-16	25/06/2002	2	.	0	.	0	NP-020264	<a href="#">get it</a>	
NP-16	25/06/2002	5	.	0	.	0		<a href="#">get it</a>	
NP-17	17/09/2002	5	.	1	.	0		<a href="#">get it</a>	
NP-18	07/01/2003	5	.	2	.	0		<a href="#">get it</a>	
NP-19	07/04/2003	5	.	3	.	0		<a href="#">get it</a>	
NP-20	27/06/2003	5	.	4	.	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:* 5.4.0 *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,*

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	02/01/2002	1	.	0	.	0	NP-010628
draft	28/03/2002	1	.	1	.	0	
NP-16	26/06/2002	2	.	0	.	0	NP-020265
NP-16	25/06/2002	5	.	0	.	0	
NP-17	18/09/2002	5	.	1	.	0	
NP-18	07/01/2003	5	.	2	.	0	
NP-19	07/04/2003	5	.	3	.	0	
NP-20	27/06/2003	5	.	4	.	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:* 5.6.0 *WG (prime / other):* N4 / - *rapporteur:* PARK, Ian David VODAFONE LTD  
*freeze\_meeting:* NP-15

*G:* *U:* yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*

NP-14	11/01/2002	5	.	0	.	0	
NP-14 editorial	18/01/2002	5	.	0	.	1	
NP-15	28/03/2002	5	.	1	.	0	
NP-16	21/06/2002	5	.	2	.	0	
NP-17	18/09/2002	5	.	3	.	0	
NP-18	07/01/2003	5	.	4	.	0	
NP-19	04/04/2003	5	.	5	.	0	
NP-20	27/06/2003	5	.	6	.	0	

*remarks - general:* Additional rapporteur: Laura.Pomponi@CSELT.IT  
*remarks - this release:* .

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<b>TS 29.278</b>	<b>Customised 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>WG (prime / other):</i> N2 / -	<i>rapporteur:</i> REMOQUILLO, Angelica	Lucent Technologies	
	<i>freeze_meeting:</i> NP-18	G: yes U: yes	<i>MCC:</i> JURISIC, Andrijana		
<i>history (event, available, version,</i>					
	N2-25	0 . 1 . 0		<i>remarks - general:</i>	NP-16 Existance hinted at in N2 report. Draft believed to have been seen at N2.
	NP-17 24/09/2002	2 . 0 . 0	NP-020349	<a href="#">get it</a>	<i>remarks - this release:</i> TP-16: this spec unlikely to be freezable by NP-17. CAMEL phase 4.
	NP-17 17/09/2002	5 . 0 . 0		<a href="#">get it</a>	
	NP-18 10/01/2003	5 . 1 . 0		<a href="#">get it</a>	
	NP-19 25/03/2003	5 . 2 . 0		<a href="#">get it</a>	
<hr/>					
<b>TS 29.328</b>	<b>IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents</b>				
Rel-5	<i>current version:</i> 5.4.0	<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,</i>					
	NP-16 26/06/2002	2 . 0 . 0	NP-020277	<a href="#">get it</a>	<i>remarks - general:</i> NP-21: Title changed to include Dh interface as well as Sh.
	NP-16 25/06/2002	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .
	NP-17 18/09/2002	5 . 1 . 0		<a href="#">get it</a>	
	NP-18 07/01/2003	5 . 2 . 0		<a href="#">get it</a>	
	edito to replace lost annex E post NP-18	5 . 2 . 1		<a href="#">get it</a>	
	NP-19 07/04/2003	5 . 3 . 0		<a href="#">get it</a>	
	attached XSD file	25/04/2003	5 . 3 . 1	<a href="#">get it</a>	
	attached correct XSD file	29/04/2003	5 . 3 . 2	<a href="#">get it</a>	Says WG Secretary: nobody's perfect - except Bo Derek
	NP-20 27/06/2003	5 . 4 . 0		<a href="#">get it</a>	
<hr/>					
<b>TS 29.329</b>	<b>Sh interface based on the Diameter protocol</b>				
Rel-5	<i>current version:</i> 5.4.0	<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,</i>					
	NP-16 26/06/2002	2 . 0 . 1	NP-020266	<a href="#">get it</a>	<i>remarks - general:</i>
	NP-16 25/06/2002	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .
	NP-17 17/09/2002	5 . 1 . 0		<a href="#">get it</a>	
	NP-18 07/01/2003	5 . 2 . 0		<a href="#">get it</a>	
	NP-19 07/04/2003	5 . 3 . 0		<a href="#">get it</a>	
	NP-20 27/06/2003	5 . 4 . 0		<a href="#">get it</a>	

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<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>freeze_meeting:</i> NP-15								
	<i>history (event, available, version,</i>								
	NP-15 20/03/2002	5	.	0	.	0			
							<a href="#">get it</a>	<i>remarks - general:</i>	
								<i>remarks - this release:</i>	.
<b>TS 29.415</b>	<b>Core network Nb interface user plane protocols</b>								
Rel-5	<i>current version:</i> 5.1.0								
	<i>freeze_meeting:</i> NP-15								
	<i>history (event, available, version,</i>								
	NP-15 20/03/2002	5	.	0	.	0			
	NP-19 27/03/2003	5	.	1	.	0			
							<a href="#">get it</a>	<i>remarks - general:</i>	
							<a href="#">get it</a>	<i>remarks - this release:</i>	
<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>freeze_meeting:</i> NP-15								
	<i>history (event, available, version,</i>								
		0	.	0	.	1			2001-03
	NP-12 04/07/2001	0	.	1	.	0			NP-010361
	N4-08	0	.	1	.	1			
	N4-09	0	.	2	.	0			
	N4-10	0	.	3	.	0			
	N4-10	0	.	3	.	1			
	NP-14 02/01/2002	2	.	0	.	0			NP-010633
	NP-14 10/01/2002	5	.	0	.	0			
							<a href="#">get it</a>	<i>remarks - general:</i>	Supersedes 29.203.
							<a href="#">get it</a>	<i>remarks - this release:</i>	NP-11:creation Supersedes 29.203
<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>freeze_meeting:</i> SP-15								
	<i>history (event, available, version,</i>								
	NP-16 26/06/2002	5	.	0	.	0			
	edito post NP-18 16/12/2002	5	.	0	.	1			minor editorials to change style from TS to TR.
							<a href="#">get it</a>	<i>remarks - general:</i>	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to
							<a href="#">get it</a>	<i>remarks - this release:</i>	. latest 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>freeze_meeting:</i> NP-15
<i>history (event, available, version,</i>	<i>WG (prime / other):</i> N5 /
NP-16 20/06/2002 5 . 0 . 0	<i>G:</i> U: yes
	<i>rapporteur:</i> UNMEHOPA, Musa
	<i>MCC:</i> ZOICAS, Adrian
	Lucent Technologies Nederland B.V.
	<a href="#">get it</a> <i>remarks - general:</i>
	<i>remarks - this release:</i> .

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<b>TR 29.998-04-</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>freeze_meeting:</i> NP-15
<i>history (event, available, version,</i>	<i>WG (prime / other):</i> N5 /
NP-16 20/06/2002 5 . 0 . 0	<i>G:</i> U: yes
	<i>rapporteur:</i> UNMEHOPA, Musa
	<i>MCC:</i> ZOICAS, Adrian
	Lucent Technologies Nederland B.V.
	<a href="#">get it</a> <i>remarks - general:</i>
	<i>remarks - this release:</i> .

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<b>TR 29.998-04-</b>	<b>Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 4: Multiparty Call Control</b>
Rel-5	<i>current version:</i> 5.0.0
	<i>freeze_meeting:</i> NP-16
<i>history (event, available, version,</i>	<i>WG (prime / other):</i> N5 / -
draft 19/02/2002 0 . 2 . 1 N5-020084	<i>G:</i> U: yes
draft 22/04/2002 1 . 0 . 0	<i>rapporteur:</i> UNMEHOPA, Musa
NP-16 31/05/2002 2 . 0 . 0 NP-020198 (RFC nos. to be	<i>MCC:</i> ZOICAS, Adrian
NP-16 20/06/2002 5 . 0 . 0	Lucent Technologies Nederland B.V.
	<a href="#">get it</a> <i>remarks - general:</i> Evidence for existance unearthed in N5-020143.
	<a href="#">get it</a> <i>remarks - this release:</i> .Was originally Rel-6, but moved to Rel 5 NP-15.
	<a href="#">get it</a>
	<a href="#">get it</a>

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<b>TR 29.998-05-</b>	<b>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</b>
Rel-5	<i>current version:</i> 5.0.0
	<i>freeze_meeting:</i> NP-15
<i>history (event, available, version,</i>	<i>WG (prime / other):</i> N5 /
NP-16 20/06/2002 5 . 0 . 0	<i>G:</i> U: yes
	<i>rapporteur:</i> UNMEHOPA, Musa
	<i>MCC:</i> ZOICAS, Adrian
	Lucent Technologies Nederland B.V.
	<a href="#">get it</a> <i>remarks - general:</i>
	<i>remarks - this release:</i> .

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<b>TR 29.998-05-</b>	<b>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</b>
Rel-5	<i>current version:</i> 5.0.0
	<i>freeze_meeting:</i> NP-15
<i>history (event, available, version,</i>	<i>WG (prime / other):</i> N5 /
NP-16 20/06/2002 5 . 0 . 0	<i>G:</i> U: yes
	<i>rapporteur:</i> UNMEHOPA, Musa
	<i>MCC:</i> ZOICAS, Adrian
	Lucent Technologies Nederland B.V.
	<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:* UNMEHOPA, Musa Lucent Technologies Nederland B.V.  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
NP-16 20/06/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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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:* UNMEHOPA, Musa Lucent Technologies Nederland B.V.  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
NP-16 20/06/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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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,*  
NP-19 07/04/2003 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  
*remarks - this release:* . 3.0x 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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[http://www.3gpp.org/ftp/Specs/archive/31\\_series](http://www.3gpp.org/ftp/Specs/archive/31_series)

<b>TS 31.048</b>	<b>Test specification for security mechanisms for the (U)SIM application toolkit</b>							
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> VIALLET, Sophie	GEMPLUS Card International				
	<i>freeze_meeting:</i> TP-21	G: yes U: yes	<i>MCC:</i> DIETZE, Claus					
	<i>history (event, available, version,</i>							
								<i>remarks - general:</i> Test spec for 23.048.
								<i>remarks - this release:</i>
<b>TS 31.101</b>	<b>UICC-terminal interface; Physical and logical characteristics</b>							
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> T3 / SCP	<i>rapporteur:</i> VESTERGAARD, Peter	NOKIA UK Ltd				
	<i>freeze_meeting:</i> TP-17	G: U: yes	<i>MCC:</i> DIETZE, Claus					
	<i>history (event, available, version,</i>							
	TP-17 18/09/2002 5 . 0 . 0	<a href="#">get it</a>						<i>remarks - general:</i> Contents is a reference to ETSI TR 102 221.
	TP-18 02/01/2003 5 . 1 . 0	<a href="#">get it</a>						<i>remarks - this release:</i> TP-17: upgraded to Rel-5 to fill gap between Releases 4 and 6.
<b>TS 31.102</b>	<b>Characteristics of the USIM application</b>							
Rel-5	<i>current version:</i> 5.5.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> HEIM, Christian	GIESECKE & DEVRIENT GmbH				
	<i>freeze_meeting:</i> TP-15	G: U: yes	<i>MCC:</i> DIETZE, Claus					
	<i>history (event, available, version,</i>							
	TP-15 28/03/2002 5 . 0 . 0	<a href="#">get it</a>						<i>remarks - general:</i>
	TP-16 28/06/2002 5 . 1 . 0	<a href="#">get it</a>						<i>remarks - this release:</i> .
	TP-17 25/09/2002 5 . 2 . 0	<a href="#">get it</a>						
	TP-18 02/01/2003 5 . 3 . 0	<a href="#">get it</a>						
	TP-19 01/04/2003 5 . 4 . 0	<a href="#">get it</a>						
	TP-20 23/06/2003 5 . 5 . 0	<a href="#">get it</a>						
<b>TS 31.103</b>	<b>Characteristics of the IP Multimedia Services Identity Module (ISIM) application</b>							
Rel-5	<i>current version:</i> 5.4.0	<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> TP-16	G: yes U: yes	<i>MCC:</i> DIETZE, Claus					
	<i>history (event, available, version,</i>							
	TP-16 26/06/2002 1 . 0 . 0 TP-020124	<a href="#">get it</a>						<i>remarks - general:</i>
	TP-16 28/06/2002 5 . 0 . 0	<a href="#">get it</a>						<i>remarks - this release:</i> .
	TP-17 25/09/2002 5 . 1 . 0	<a href="#">get it</a>						
	TP-18 02/01/2003 5 . 2 . 0	<a href="#">get it</a>						
	TP-19 26/03/2003 5 . 3 . 0	<a href="#">get it</a>						
	TP-20 23/06/2003 5 . 4 . 0	<a href="#">get it</a>						

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**TS 31.111 Universal Subscriber Identity Module Application Toolkit (USAT)**  
Rel-5 *current version:* 5.4.0 *freeze\_meeting:* TP-15  
*WG (prime / other):* T3 / - *rapporteur:* WOODSEND, Kristian Indicate persons who left Company and wait for new One  
*G:* yes *U:* yes *MCC:* DIETZE, Claus

*history (event, available, version,*  
TP-15 28/03/2002 5 . 0 . 0 [get it](#) *remarks - general:* To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.  
TP-16 28/06/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
TP-17 18/09/2002 5 . 2 . 0 [get it](#)  
TP-18 02/01/2003 5 . 3 . 0 [get it](#)  
TP-19 04/04/2003 5 . 4 . 0 [get it](#)

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**TS 31.112 Universal Subscriber Identity Module Application Toolkit (USAT) interpreter architecture description; Stage 2**  
Rel-5 *current version:* 5.2.0 *freeze\_meeting:* TP-15  
*WG (prime / other):* T3 / *rapporteur:* N, A Indicate persons who left Company and wait for new One  
*G:* *U:* yes *MCC:* DIETZE, Claus

*history (event, available, version,*  
TP-11 09/04/2001 1 . 0 . 0 [get it](#) *remarks - general:*  
TP-13 12/10/2001 2 . 0 . 0 TP-010207 [get it](#) *remarks - this release:* started life as Rel-4 draft, but ran out of time so ended up Rel-5.  
TP-13 12/10/2001 5 . 0 . 0 [get it](#)  
TP-14 14/01/2002 5 . 1 . 0 [get it](#)  
TP-16 19/06/2002 5 . 2 . 0 [get it](#)

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**TS 31.113 Universal Subscriber Identity Module Application Toolkit (USAT) interpreter byte codes**  
Rel-5 *current version:* 5.5.0 *freeze\_meeting:* TP-15  
*WG (prime / other):* T3 / *rapporteur:* N, A Indicate persons who left Company and wait for new One  
*G:* *U:* yes *MCC:* DIETZE, Claus

*history (event, available, version,*  
TP-11 09/04/2001 1 . 0 . 0 [get it](#) *remarks - general:*  
TP-13 12/10/2001 2 . 0 . 0 TP-010208 [get it](#) *remarks - this release:* started life as Rel-4 draft, but ran out of time so ended up Rel-5.  
TP-13 12/10/2001 5 . 0 . 0 [get it](#)  
TP-14 14/01/2002 5 . 1 . 0 [get it](#)  
TP-15 28/03/2002 5 . 2 . 0 [get it](#)  
TP-16 19/06/2002 5 . 3 . 0 [get it](#)  
TP-17 25/09/2002 5 . 4 . 0 [get it](#)  
TP-19 26/03/2003 5 . 5 . 0 [get it](#)

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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  
*freeze\_meeting:* TP-15  
*history (event, available, version,*

*WG (prime / other):* T3 / *rapporteur:* MEYER, Michael  
*G:* *U:* yes *MCC:* DIETZE, Claus

GIESECKE & DEVRIENT GmbH

TP-14 02/01/2002 1 . 0 . 0 TP-010248  
TP-15 19/03/2002 1 . 5 . 1 TP-020030  
TP-15 19/03/2002 2 . 0 . 0 TP-020077  
TP-15 28/03/2002 5 . 0 . 0  
TP-16 19/06/2002 5 . 1 . 0  
TP-17 25/09/2002 5 . 2 . 0  
TP-19 26/03/2003 5 . 3 . 0

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

---

**TS 31.121 UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification**

Rel-5 *current version:* none  
*freeze\_meeting:*  
*history (event, available, version,*

*WG (prime / other):* T3 / - *rapporteur:* AFCHAR, Ramin  
*G:* *U:* yes *MCC:* DIETZE, Claus

VODAFONE Group Plc

*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:* 5.2.0  
*freeze\_meeting:* SP-15  
*history (event, available, version,*

*WG (prime / other):* T3 / *rapporteur:* KALINER, Stefan  
*G:* *U:* yes *MCC:* DIETZE, Claus

T-MOBILE DEUTSCHLAND

TP-15 28/03/2002 5 . 0 . 0  
TP-16 19/06/2002 5 . 1 . 0  
TP-19 26/03/2003 5 . 2 . 0

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

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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 32.101 Telecommunication management; Principles and high level requirements

Rel-5 *current version:* 5.4.0 *WG (prime / other):* S5 / - *rapporteur:* TRUSS, Michael MOTOROLA Ltd  
*freeze\_meeting:* SP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
SP-15 26/03/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
SP-17 18/09/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
SP-18 06/01/2003 5 . 2 . 0 [get it](#)  
SP-19 31/03/2003 5 . 3 . 0 [get it](#)  
SP-20 18/06/2003 5 . 4 . 0 [get it](#)

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## TS 32.102 Telecommunication management; Architecture

Rel-5 *current version:* 5.3.0 *WG (prime / other):* S5 / - *rapporteur:* BERGGREN, Tommy TeliaSonera AB  
*freeze\_meeting:* SP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
SP-15 26/03/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
SP-17 18/09/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
SP-18 06/01/2003 5 . 2 . 0 [get it](#)  
SP-19 31/03/2003 5 . 3 . 0 [get it](#)

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## TS 32.111-1 Telecommunication management; Fault Management; Part 1: 3G fault management requirements

Rel-5 *current version:* 5.1.1 *WG (prime / other):* S5 / - *rapporteur:* SCHMIDT, Joerg MOTOROLA A/S  
*freeze\_meeting:* SP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
SP-15 26/03/2002 5 . 0 . 0 [get it](#) *remarks - general:* TSG#8: split into 4 parts  
SP-17 18/09/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
*edito (layout and* 07/01/2003 5 . 1 . 1 [get it](#)  
*references)*

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## TS 32.111-2 Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service

Rel-5 *current version:* 5.4.0 *WG (prime / other):* S5 / - *rapporteur:* SCHMIDT, Joerg MOTOROLA A/S  
*freeze\_meeting:* SP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
SP-15 26/03/2002 5 . 0 . 0 [get it](#) *remarks - general:* TSG#8: split into 4 parts  
SP-17 20/09/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
SP-18 09/01/2003 5 . 2 . 0 [get it](#)  
SP-19 31/03/2003 5 . 3 . 0 [get it](#)  
SP-20 27/06/2003 5 . 4 . 0 [get it](#)

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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**

Rel-5 *current version:* 5.4.0 *WG (prime / other):* S5 / - *rapporteur:* TSE, Edwin Ericsson Incorporated  
*freeze\_meeting:* SP-15 *G:* U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*  
SP-15 26/03/2002 5 . 0 . 0 [get it](#) *remarks - general:* TSG#8: split into 4 parts  
SP-17 08/10/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
SP-18 09/01/2003 5 . 2 . 0 [get it](#)  
SP-19 01/04/2003 5 . 3 . 0 [get it](#)  
SP-20 27/06/2003 5 . 4 . 0 [get it](#)

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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**

Rel-5 *current version:* 5.5.0 *WG (prime / other):* S5 / - *rapporteur:* POLLAKOWSKI, Olaf SIEMENS AG  
*freeze\_meeting:* SP-15 *G:* U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*  
SP-15 26/03/2002 5 . 0 . 0 [get it](#) *remarks - general:* TSG#8: split into 4 parts  
SP-16 20/06/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
SP-17 20/09/2002 5 . 2 . 0 [get it](#)  
SP-18 09/01/2003 5 . 3 . 0 [get it](#)  
SP-19 01/04/2003 5 . 4 . 0 [get it](#)  
SP-20 27/06/2003 5 . 5 . 0 [get it](#)

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**TS 32.200 Telecommunication management; Charging management; Charging principles**

Rel-5 *current version:* 5.4.0 *WG (prime / other):* S5 / *rapporteur:* GOERMER, Gerald SIEMENS AG  
*freeze\_meeting:* SP-17 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*  
SP-15 26/03/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
SP-16 20/06/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
SP-18 06/01/2003 5 . 2 . 0 [get it](#)  
SP-19 02/04/2003 5 . 3 . 0 [get it](#)  
SP-20 27/06/2003 5 . 4 . 0 [get it](#)

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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> 5.4.0	<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,</i>				
	SP-15 27/03/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	SP-16 20/06/2002	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .	
	SP-18 09/01/2003	5 . 2 . 0	<a href="#">get it</a>		
	SP-19 02/04/2003	5 . 3 . 0	<a href="#">get it</a>		
	SP-20 27/06/2003	5 . 4 . 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> 5.4.0	<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,</i>				
	SP-15 27/03/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	SP-16 20/06/2002	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .	
	SP-18 09/01/2003	5 . 2 . 0	<a href="#">get it</a>		
	SP-19 02/04/2003	5 . 3 . 0	<a href="#">get it</a>		
	SP-20 09/06/2003	5 . 4 . 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> 5.3.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> TEPPO, Patrik		Telefon AB LM Ericsson
	<i>freeze_meeting:</i> SP-17	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>				
	SP-15 19/03/2002	1 . 0 . 0 SP-020033	<a href="#">get it</a>	<i>remarks - general:</i>	
	SP-16 17/06/2002	1 . 5 . 0 SP-020327	<a href="#">get it</a>	<i>remarks - this release:</i> .	
	draft 19/07/2002	1 . 7 . 0	<a href="#">get it</a>		
	SP-17 16/09/2002	2 . 0 . 0 SP-020453	<a href="#">get it</a>		
	SP-17 18/09/2002	5 . 0 . 0 "Support of Diameter is mandatory."	<a href="#">get it</a>		
	SP-18 06/01/2003	5 . 1 . 0	<a href="#">get it</a>		
	SP-19 02/04/2003	5 . 2 . 0	<a href="#">get it</a>		
	SP-20 27/06/2003	5 . 3 . 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-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> GOERMER, Gerald	SIEMENS AG		
	<i>freeze_meeting:</i> SP-17	G: U: yes	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version,</i>					
	SP-17 18/09/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-18 07/01/2003	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	SP-19 02/04/2003	5 . 2 . 0	<a href="#">get it</a>			
	SP-20 27/06/2003	5 . 3 . 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-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: U: yes	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version,</i>					
	SP-17 18/09/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Replaces 32.106-8 (pars)		
	edito post SP-18 13/01/2003	5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .		

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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: U: yes	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version,</i>					
	SP-15 26/03/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.301-1		
	edito post SP-18 13/01/2003	5 . 0 . 1	<a href="#">get it</a>	<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</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: U: yes	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version,</i>					
	SP-14 11/01/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.301-2		
	edito 26/03/2002	5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	edito post SP-18 13/01/2003	5 . 0 . 2	<a href="#">get it</a>			
	SP-20 27/06/2003	5 . 1 . 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)</b>								
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> POLLAKOWSKI, Olaf	SIEMENS AG					
	<i>freeze_meeting:</i> SP-15	G: U: yes	MCC: ZOICAS, Adrian						
	<i>history (event, available, version,</i>								
	SP-15 26/03/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	was 32.301-3				
	SP-17 18/09/2002	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	.				
	edito post SP-17 01/10/2002	5 . 1 . 1	<a href="#">get it</a>						
	edito post SP-18 13/01/2003	5 . 1 . 2	<a href="#">get it</a>						
	SP-19 31/03/2003	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</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: U: yes	MCC: ZOICAS, Adrian						
	<i>history (event, available, version,</i>								
	SP-14 11/01/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	was 32.301-4				
	SP-15 26/03/2002	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	.				
	SP-16 20/06/2002	5 . 2 . 0	<a href="#">get it</a>						
	edito post SP-18 13/01/2003	5 . 2 . 1	<a href="#">get it</a>						
<hr/>									
<b>TS 32.311</b>	<b>Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements</b>								
Rel-5	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> TSE, Edwin	Ericsson Incorporated					
	<i>freeze_meeting:</i> SP-15	G: yes U: yes	MCC: ZOICAS, Adrian						
	<i>history (event, available, version,</i>								
	SP-15 26/03/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	was 32.112-1				
	edito post SP-18 13/01/2003	5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>	.				
<hr/>									
<b>TS 32.312</b>	<b>Telecommunication management; Generic Integration Reference Point (IRP) management; Information service</b>								
Rel-5	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> TSE, Edwin	Ericsson Incorporated					
	<i>freeze_meeting:</i> SP-15	G: U: yes	MCC: ZOICAS, Adrian						
	<i>history (event, available, version,</i>								
	SP-15 26/03/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	was 32.112-2				
	edito post SP-18 13/01/2003	5 . 0 . 1	<a href="#">get it</a>	<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-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: U: yes	<i>MCC:</i> ZOICAS, Adrian							
	<i>history (event, available, version,</i>									
	SP-16 17/06/2002 1 . 0 . 0	SP-020328	<a href="#">get it</a>	<i>remarks - general:</i>						
	SP-17 06/09/2002 2 . 0 . 0	SP-020456	<a href="#">get it</a>	<i>remarks - this release:</i> .						
	SP-17 18/09/2002 5 . 0 . 0		<a href="#">get it</a>							
	edito post SP-18 13/01/2003 5 . 0 . 1		<a href="#">get it</a>							
<hr/>										
<b>TS 32.322</b>	<b>Telecommunication management; Test management Integration Reference Point (IRP): Information service</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: U: yes	<i>MCC:</i> ZOICAS, Adrian							
	<i>history (event, available, version,</i>									
	SP-16 17/06/2002 1 . 0 . 0	SP-020328	<a href="#">get it</a>	<i>remarks - general:</i>						
	SP-17 16/09/2002 2 . 0 . 0	SP-020457	<a href="#">get it</a>	<i>remarks - this release:</i> .						
	SP-17 18/09/2002 5 . 0 . 0		<a href="#">get it</a>							
	edito post SP-18 13/01/2003 5 . 0 . 1		<a href="#">get it</a>							
<hr/>										
<b>TS 32.323</b>	<b>Telecommunication management; Test management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set</b>									
Rel-5	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TSE, Edwin	Ericsson Incorporated						
	<i>freeze_meeting:</i> SP-17	G: U: yes	<i>MCC:</i> ZOICAS, Adrian							
	<i>history (event, available, version,</i>									
	SP-16 17/06/2002 1 . 0 . 0	SP-020328	<a href="#">get it</a>	<i>remarks - general:</i>						
	SP-17 16/09/2002 2 . 0 . 0	SP-020458	<a href="#">get it</a>	<i>remarks - this release:</i> .						
	SP-17 18/09/2002 5 . 0 . 0		<a href="#">get it</a>							
	edito post SP-18 13/01/2003 5 . 0 . 1		<a href="#">get it</a>							
<hr/>										
<b>TS 32.324</b>	<b>Telecommunication management; Test management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set</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: U: yes	<i>MCC:</i> ZOICAS, Adrian							
	<i>history (event, available, version,</i>									
	SP-16 17/06/2002 1 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>						
	SP-17 16/09/2002 2 . 0 . 0	SP-020459	<a href="#">get it</a>	<i>remarks - this release:</i> .						
	SP-17 18/09/2002 5 . 0 . 0		<a href="#">get it</a>							
	edito post SP-18 13/01/2003 5 . 0 . 1		<a href="#">get it</a>							

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<b>TS 32.401</b>	<b>Telecommunication management; Performance Management (PM); Concept and requirements</b>				
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,				
	SP-15	26/03/2002	5 . 0 . 0	<a href="#">get it</a>	remarks - general: was 32.104 (pars)
	SP-17	18/09/2002	5 . 1 . 0	<a href="#">get it</a>	remarks - this release: .
	SP-20	27/06/2003	5 . 2 . 0	<a href="#">get it</a>	
<b>TS 32.403</b>	<b>Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM</b>				
Rel-5	current version: 5.3.0	WG (prime / other): S5 / -	rapporteur: TOCHE, Christian		NORTEL NETWORKS (EUROPE)
	freeze_meeting: SP-15	G: yes U: yes	MCC: ZOICAS, Adrian		
	history (event, available, version,				
	SP-16	20/06/2002	5 . 0 . 0	<a href="#">get it</a>	WARNING: approved CRs 004, 005 & 006 accidentally not implemented!! (But these CRs later withdrawn.) remarks - general: was 32.104 (pars)
	SP-17	19/09/2002	5 . 1 . 0	<a href="#">get it</a>	remarks - this release: .
	SP-19	31/03/2003	5 . 2 . 0	<a href="#">get it</a>	
	SP-20	27/06/2003	5 . 3 . 0	<a href="#">get it</a>	
<b>TS 32.600</b>	<b>Telecommunication management; Configuration Management (CM); Concept and high-level requirements</b>				
Rel-5	current version: 5.0.1	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,				
	SP-17	20/09/2002	5 . 0 . 0	<a href="#">get it</a>	replaces - general: Replaces 32.106 (pars).
	edito	18/06/2003	5 . 0 . 1	<a href="#">get it</a>	remarks - this release: . Title aligned with the 3GPP Database
<b>TS 32.601</b>	<b>Telecommunication management; Configuration Management (CM); Basic Configuration Management (CM) Integration Reference Point (IRP): requirements</b>				
Rel-5	current version: 5.0.1	WG (prime / other): S5 / -	rapporteur: PIRT, Trevor		MOTOROLA Ltd
	freeze_meeting: SP-17	G: yes U: yes	MCC: ZOICAS, Adrian		
	history (event, available, version,				
	SP-17	23/09/2002	5 . 0 . 0	<a href="#">get it</a>	remarks - general: was 32.601-1
	edito	18/06/2003	5 . 0 . 1	<a href="#">get it</a>	remarks - this release: . Title aligned with the 3GPP Database

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<b>TS 32.602</b>	<b>Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information service</b>								
Rel-5	<i>current version:</i> 5.1.0	<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	MCC: ZOICAS, Adrian						
	<i>history (event, available, version,</i>								
	SP-17 27/09/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	was 32.601-2				
	SP-19 31/03/2003	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	.				
<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-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TSE, Edwin	Ericsson Incorporated					
	<i>freeze_meeting:</i> SP-17	G: yes U: yes	MCC: ZOICAS, Adrian						
	<i>history (event, available, version,</i>								
	SP-17 27/09/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	was 32.601-3				
	SP-19 31/03/2003	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	.				
	SP-20 27/06/2003	5 . 2 . 0	<a href="#">get it</a>						
<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-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> POLLAKOWSKI, Olaf	SIEMENS AG					
	<i>freeze_meeting:</i> SP-17	G: U: yes	MCC: ZOICAS, Adrian						
	<i>history (event, available, version,</i>								
	SP-18 08/01/2003	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	was 32.601-4				
				<i>remarks - this release:</i>	.				
<hr/>									
<b>TS 32.611</b>	<b>Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Requirements</b>								
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> PAL, Tapinder	T-MOBILE DEUTSCHLAND					
	<i>freeze_meeting:</i> SP-16	G: U: yes	MCC: ZOICAS, Adrian						
	<i>history (event, available, version,</i>								
	SP-16 21/06/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	was 32.602-1				
	SP-17 27/09/2002	5 . 1 . 0	<a href="#">get it</a>	<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</b>								
Rel-5	<i>current version:</i> 5.1.1	<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,</i>								
	SP-17 27/09/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	was 32.602-2				
	SP-18 07/01/2003	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	.				
	edito 31/03/2003	5 . 1 . 1	<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-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> PIRT, Trevor	MOTOROLA Ltd
	<i>freeze_meeting:</i> SP-17	G: U: yes	<i>MCC:</i>	ZOICAS, Adrian
<i>history (event, available, version,</i>				
	SP-17 27/09/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.602-3
	SP-19 31/03/2003	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .

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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>WG (prime / other):</i> S5 /	<i>rapporteur:</i> POLLAKOWSKI, Olaf	SIEMENS AG
	<i>freeze_meeting:</i> SP-17	G: U: yes	<i>MCC:</i>	ZOICAS, Adrian
<i>history (event, available, version,</i>				
	SP-18 07/01/2003	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> 5.1.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> BONNEAU, Frédéric	NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting:</i> SP-16	G: U: yes	<i>MCC:</i>	ZOICAS, Adrian
<i>history (event, available, version,</i>				
	SP-16 21/06/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.602-5
edito after	SP-17 18/09/2002	5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .
	SP-20 27/06/2003	5 . 1 . 0	<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>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,</i>				
	SP-17 27/09/2002	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> 5.1.0	<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,</i>				
	SP-17 27/09/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.620-2
	SP-20 27/06/2003	5 . 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-5	current version: (CORBA) solution set	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,								
	SP-17	27/09/2002	5 . 0 . 0			<a href="#">get it</a>	remarks - general:		was 32.620-3
	SP-19	01/04/2003	5 . 1 . 0			<a href="#">get it</a>	remarks - this release:		.
<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	current version: (CMIP) solution set	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,								
	SP-17	27/09/2002	5 . 0 . 0			<a href="#">get it</a>	remarks - general:		was 32.620-4
							remarks - this release:		.
<b>TS 32.625</b>	<b>Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file</b>	Rel-5	current version: format definition	5.1.0	WG (prime / other):	S5	/	rapporteur:	BONNEAU, Frédéric
	NORTEL NETWORKS (EUROPE)								
	freeze_meeting: SP-15			G: yes	U: yes		MCC:		ZOICAS, Adrian
	history (event, available, version,								
	SP-16	17/06/2002	1 . 0 . 0			<a href="#">get it</a>	remarks - general:		SP-020298 pars
	SP-17	06/09/2002	2 . 0 . 0			<a href="#">get it</a>	remarks - this release:		SP-020460
	SP-17	18/09/2002	5 . 0 . 0			<a href="#">get it</a>			
	SP-20	27/06/2003	5 . 1 . 0			<a href="#">get it</a>			
<b>TS 32.631</b>	<b>Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Requirements</b>	Rel-5	current version: 5.0.0		WG (prime / other):	S5	/-	rapporteur:	PIRT, Trevor
	MOTOROLA Ltd								
	freeze_meeting: SP-16			G:	U: yes		MCC:		ZOICAS, Adrian
	history (event, available, version,								
	SP-16	28/06/2002	5 . 0 . 0			<a href="#">get it</a>	remarks - general:		was 32.621-1
							remarks - this release:		.

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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-5	<i>current version:</i> 5.3.0	5.1.0	WG (prime / other):	S5 / -	rapporteur:	PAL, Tapinder	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> SP-17		G: yes	U: yes	MCC:	ZOICAS, Adrian			
	<i>history (event, available, version,</i>								
	SP-17 23/09/2002	5 . 0 . 0			<a href="#">get it</a>	remarks - general:	was 32.621-2		
	SP-18 07/01/2003	5 . 1 . 0			<a href="#">get it</a>	remarks - this release:	.		
	SP-19 01/04/2003	5 . 2 . 0			<a href="#">get it</a>				
	SP-20 27/06/2003	5 . 3 . 0			<a href="#">get it</a>				
<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	WG (prime / other):	S5	/-	rapporteur:	PAL, Tapinder	T-	
MOBILE DEUTSCHLAND			G: yes	U: yes	MCC:	ZOICAS, Adrian			
	<i>freeze_meeting:</i> SP-17								
	<i>history (event, available, version,</i>								
	SP-17 27/09/2002	5 . 0 . 0			<a href="#">get it</a>	remarks - general:	was 32.621-3		
	SP-18 07/01/2003	5 . 1 . 0			<a href="#">get it</a>	remarks - this release:	.		
<b>TS 32.634</b>	<b>Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP)</b>								
Rel-5	<i>current version:</i> solution set	5.0.0	WG (prime / other):	S5	/-	rapporteur:	POLLAKOWSKI, Olaf		
SIEMENS AG			G: yes	U: yes	MCC:	ZOICAS, Adrian			
	<i>freeze_meeting:</i> SP-17								
	<i>history (event, available, version,</i>								
	SP-18 08/01/2003	5 . 0 . 0			<a href="#">get it</a>	remarks - general:	was 32.621-4		
						remarks - this release:	.		
<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:</i> format definition	5.1.0	WG (prime / other):	S5	/-	rapporteur:	BONNEAU, Frédéric		
NORTEL NETWORKS (EUROPE)			G: yes	U: yes	MCC:	ZOICAS, Adrian			
	<i>freeze_meeting:</i> SP-16								
	<i>history (event, available, version,</i>								
	SP-16 17/06/2002	1 . 0 . 0			<a href="#">get it</a>	remarks - general:	RP-15: existence gleaned from S5 report.		
	SP-17 16/09/2002	2 . 0 . 0			<a href="#">get it</a>	remarks - this release:	.		
	SP-17 18/09/2002	5 . 0 . 0			<a href="#">get it</a>				
	SP-20 27/06/2003	5 . 1 . 0			<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-5 current version: 5.0.0 freeze_meeting: SP-17 history (event, available, version, SP-17 27/09/2002 5 . 0 . 0	WG (prime / other): S5 / - G: U: yes	rapporteur: PIRT, Trevor MCC: ZOICAS, Adrian	MOTOROLA Ltd	<a href="#">get it</a>	remarks - general: was 32.622-1 remarks - this release: .
<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 current version: 5.2.0 freeze_meeting: SP-17 history (event, available, version, SP-17 27/09/2002 5 . 0 . 0 SP-18 07/01/2003 5 . 1 . 0 edito post SP-18 09/01/2003 5 . 1 . 1 to accept all rev marks SP-20 26/06/2003 5 . 2 . 0	WG (prime / other): S5 / - G: U: yes	rapporteur: PETERSEN, Robert MCC: ZOICAS, Adrian	Ericsson AB	<a href="#">get it</a> <a href="#">get it</a> <a href="#">get it</a>  <a href="#">get it</a>	remarks - general: was 32.622-2 remarks - this release: .
<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 Motorola Inc. freeze_meeting: SP-17 history (event, available, version, SP-17 27/09/2002 5 . 0 . 0 SP-20 27/06/2003 5 . 1 . 0	5.1.0 G: U: yes	WG (prime / other): S5 / - MCC: ZOICAS, Adrian	rapporteur: RAYMER, David	<a href="#">get it</a> <a href="#">get it</a>	remarks - general: was 32.622-3 remarks - this release: .
<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 SIEMENS AG freeze_meeting: SP-17 history (event, available, version, SP-18 08/01/2003 5 . 0 . 0 SP-20 26/06/2003 5 . 1 . 0	5.1.0 G: U: yes	WG (prime / other): S5 / - MCC: ZOICAS, Adrian	rapporteur: POLLAKOWSKI, Olaf	<a href="#">get it</a> <a href="#">get it</a>	remarks - general: was 32.622-4 remarks - this release: .

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<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>	5.1.0	WG (prime / other):	S5	/ rapporteur:	BONNEAU, Frédéric
Rel-5	current version: format definition					
NORTEL NETWORKS (EUROPE)						
	freeze_meeting: SP-16		G:	U: yes	MCC:	ZOICAS, Adrian
history (event, available, version,						
	SP-16	17/06/2002	1	.	0	. 0
	SP-17	16/09/2002	2	.	0	. 0
	SP-17	18/09/2002	5	.	0	. 0
	SP-20	27/06/2003	5	.	1	. 0
				<a href="#">get it</a>	remarks - general:	SP-020298 pars
				<a href="#">get it</a>	remarks - this release:	SP-020462
				<a href="#">get it</a>		
				<a href="#">get it</a>		
<hr/>						
<b>TS 32.651</b>	<b>Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Requirements</b>	5.0.0	WG (prime / other):	S5 / -	rapporteur:	PIRT, Trevor
Rel-5	current version: 5.0.0					MOTOROLA Ltd
	freeze_meeting: SP-17		G: yes	U:	MCC:	ZOICAS, Adrian
history (event, available, version,						
	SP-17	27/09/2002	5	.	0	. 0
				<a href="#">get it</a>	remarks - general:	was 32.623-1
					remarks - this release:	.
<hr/>						
<b>TS 32.652</b>	<b>Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)</b>	5.1.0	WG (prime / other):	S5 / -	rapporteur:	PETERSEN, Robert
Rel-5	current version: 5.1.0					Ericsson AB
	freeze_meeting: SP-17		G: yes	U:	MCC:	ZOICAS, Adrian
history (event, available, version,						
	SP-17	27/09/2002	5	.	0	. 0
	edito post SP-18	09/01/2003	5	.	0	. 1
	SP-20	26/06/2003	5	.	1	. 0
				<a href="#">get it</a>	remarks - general:	was 32.623-2
				<a href="#">get it</a>	remarks - this release:	.
				<a href="#">get it</a>		
<hr/>						
<b>TS 32.653</b>	<b>Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture</b>	5.1.0	WG (prime / other):	S5	/-	rapporteur:
Rel-5	current version: (CORBA) solution set					RAYMER, David
Motorola Inc.						
	freeze_meeting: SP-17		G: yes	U:	MCC:	ZOICAS, Adrian
history (event, available, version,						
	SP-17	08/10/2002	5	.	0	. 0
	edito post SP-18	09/01/2003	5	.	0	. 1
	SP-20	27/06/2003	5	.	1	. 0
				<a href="#">get it</a>	remarks - general:	was 32.623-3
				<a href="#">get it</a>	remarks - this release:	.
				<a href="#">get it</a>		

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

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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-5	<i>current version: (CMIP) solution set</i>	5.1.0	<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,</i>											
			SP-18	08/01/2003	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	was 32.623-4
			SP-20	27/06/2003	5	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	.
<b>TS 32.655</b>	<b>Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file</b>	Rel-5	<i>current version: format definition</i>	5.1.0	<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,</i>											
			SP-16	17/06/2002	1	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	
			SP-17	16/09/2002	2	.	0	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	
			SP-17	18/09/2002	5	.	0	.	0	<a href="#">get it</a>		
			SP-20	27/06/2003	5	.	1	.	0	<a href="#">get it</a>		
<b>TS 32.661</b>	<b>Telecommunication management; Configuration Management (CM); Kernel CM requirements</b>	Rel-5	<i>current version: 5.1.0</i>		<i>WG (prime / other):</i>	S5	/	<i>rapporteur:</i>	TOVINGER, Thomas	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i>		SP-17		G:	U: yes		MCC:	ZOICAS, Adrian			
	<i>history (event, available, version,</i>											
			draft	31/01/2002	0	.	1	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	
			SP-15	19/03/2002	1	.	0	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	.
			SP-17	16/09/2002	2	.	0	.	0	<a href="#">get it</a>		
			SP-17	18/09/2002	5	.	0	.	0	<a href="#">get it</a>		
			SP-18	07/01/2003	5	.	1	.	0	<a href="#">get it</a>		
<b>TS 32.662</b>	<b>Telecommunication management; Configuration Management (CM); Kernel CM information service</b>	Rel-5	<i>current version: 5.0.0</i>		<i>WG (prime / other):</i>	S5	/	<i>rapporteur:</i>	TOVINGER, Thomas	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i>		SP-18		G:	U: yes		MCC:	ZOICAS, Adrian			
	<i>history (event, available, version,</i>											
			draft	31/01/2002	0	.	1	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	
			SP-15	19/03/2002	1	.	0	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	.
			SP-17	16/09/2002	2	.	0	.	0	<a href="#">get it</a>		
			SP-17	18/09/2002	5	.	0	.	0	<a href="#">get it</a>		

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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:* U: yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
SP-17 16/09/2002 1 . 0 . 0 SP-020466 [get it](#) *remarks - general:*  
SP-17 18/09/2002 5 . 0 . 0 [get it](#) *remarks - this release:* SP-15: will not exist in Rel-5. SP-17 Oh yes it will!  
SP-19 03/04/2003 5 . 1 . 0 [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:* U: yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
SP-17 16/09/2002 1 . 0 . 0 SP-020467 [get it](#) *remarks - general:*  
SP-18 07/01/2003 2 . 0 . 0 SP-020743 [get it](#) *remarks - this release:* SP-15: will not exist in Rel-5. SP-17: Yes it will!  
SP-18 07/01/2003 5 . 0 . 0 [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:* U: yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
draft 17/01/2002 0 . 1 . 2 [get it](#) *remarks - general:*  
SP-16 17/06/2002 1 . 0 . 0 SP-020329 pars [get it](#) *remarks - this release:* .  
SP-17 19/07/2002 2 . 0 . 0 SP-020468 [get it](#)  
SP-17 18/09/2002 5 . 0 . 0 [get it](#)

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**TS 32.672 Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Information service**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* S5 / - *rapporteur:* POLLAKOWSKI, Olaf SIEMENS AG  
*freeze\_meeting:* SP-15 *G:* U: yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
draft 19/07/2002 0 . 0 . 0 [get it](#) *remarks - general:*  
draft 17/01/2002 0 . 1 . 1 [get it](#) *remarks - this release:* .  
SP-16 17/06/2002 1 . 0 . 0 SP-020329 pars [get it](#)  
SP-17 16/09/2002 2 . 0 . 0 SP-020469 [get it](#)  
SP-17 18/09/2002 5 . 0 . 0 [get it](#)

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



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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 Motorola Inc.	current version: solution set 5.1.0	WG (prime / other): S5	/-	rapporteur: RAYMER, David	
	freeze_meeting: SP-15		G:	U: yes	MCC:	ZOICAS, Adrian	
	history (event, available, version,						
	SP-17 16/09/2002 1 . 0 . 0	SP-020470		<a href="#">get it</a>	remarks - general:		
	SP-17 18/09/2002 5 . 0 . 0			<a href="#">get it</a>	remarks - this release: .		
	SP-19 01/04/2003 5 . 1 . 0			<a href="#">get it</a>			
<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	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,						
	draft 17/01/2002 0 . 1 . 0			<a href="#">get it</a>	remarks - general:		
	draft 19/07/2002 1 . 0 . 0			<a href="#">get it</a>	remarks - this release: .		
	SP-17 16/09/2002 2 . 0 . 0	SP-020471		<a href="#">get it</a>			
	SP-17 18/09/2002 5 . 0 . 0			<a href="#">get it</a>			
<b>TS 32.691</b>	<b>Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): Requirements</b>	Rel-5	current version: 5.0.0	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,						
	SP-17 30/08/2002 1 . 0 . 0	SP-020472		<a href="#">get it</a>	remarks - general:		
	SP-17 18/09/2002 5 . 0 . 0			<a href="#">get it</a>	remarks - this release: .		
<b>TS 32.692</b>	<b>Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): Network Resource Model (NRM)</b>	Rel-5	current version: 5.0.0	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,						
	SP-17 30/08/2002 1 . 0 . 0	SP-020473		<a href="#">get it</a>	remarks - general:		
	SP-17 18/09/2002 5 . 0 . 0			<a href="#">get it</a>	remarks - this release: .		
<b>TR 32.800</b>	<b>Telecommunication management; Management level procedures and interaction with UTRAN</b>	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,						
	SP-15 26/03/2002 5 . 0 . 0			<a href="#">get it</a>	remarks - general:		
					remarks - this release: .		

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

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<b>TR 32.802</b>	<b>Telecommunication management; User Equipment Management (UEM) feasibility study</b>					
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> MUDGE, John	VODAFONE Group Plc		
	<i>freeze_meeting:</i> SP-16	<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version,</i>					
	SP-13 01/10/2001 0 . 0 . 2	TP-010213 (!)	<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-14 02/01/2002 1 . 0 . 0	SP-010652 (also TP-010283)	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	draft 28/01/2002 1 . 0 . 1		<a href="#">get it</a>			
	draft 31/01/2002 1 . 0 . 2		<a href="#">get it</a>			
	SP-15 19/03/2002 1 . 0 . 4	SP-020011	<a href="#">get it</a>			
	SP-16 17/06/2002 2 . 0 . 0	SP-020331	<a href="#">get it</a>			
	SP-16 20/06/2002 5 . 0 . 0		<a href="#">get it</a>			
	SP-17 18/09/2002 5 . 1 . 0		<a href="#">get it</a>			

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<b>TS 33.102</b>	<b>3G security; Security architecture</b>					
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> BLOMMAERT, Marc	SIEMENS ATEA NV		
	<i>freeze_meeting:</i> SP-15	<i>G:</i> U: yes	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version,</i>					
	SP-16 19/06/2002 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-18 18/12/2002 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .		
	SP-20 18/06/2003 5 . 2 . 0		<a href="#">get it</a>			

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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	<i>G:</i> U: yes	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version,</i>					
	SP-11 04/04/2001 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-17 18/09/2002 5 . 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

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## TS 33.107 3G security; Lawful interception architecture and functions

Rel-5 *current version:* 5.5.0 *freeze\_meeting:* SP-15  
*history (event, available, version,*  
SP-12 04/07/2001 5 . 0 . 0 [get it](#) *remarks - general:*  
SP-14 07/01/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
SP-15 26/03/2002 5 . 2 . 0 [get it](#)  
edito post SP-15 15/04/2002 5 . 2 . 1 Corrects change history. [get it](#)  
SP-16 19/06/2002 5 . 3 . 0 [get it](#)  
SP-17 18/09/2002 5 . 4 . 0 [get it](#)  
SP-18 18/12/2002 5 . 5 . 0 [get it](#)  
*WG (prime / other):* S3 / - *rapporteur:* WILHELM, Berthold BUNDESMINISTERIUM FUR WIRTSCHAFT  
*G:* *U:* yes *MCC:* POPE, Maurice

## TS 33.108 3G security; Handover interface for Lawful Interception (LI)

Rel-5 *current version:* 5.4.0 *freeze\_meeting:* SP-16  
*history (event, available, version,*  
SP-15 19/03/2002 1 . 0 . 0 SP-020118 [get it](#) *remarks - general:* 2001-12-04 Title changed from "Lawful Interception; Interface between core  
SP-16 2 . 0 . 0 SP-020357 [get it](#) *remarks - this release:* . network and law agency equipment" (Berthold.Wilhelm@RegTP.de).  
SP-16 19/06/2002 5 . 0 . 0 [get it](#)  
SP-17 23/09/2002 5 . 1 . 0 [get it](#)  
SP-18 18/12/2002 5 . 2 . 0 [get it](#)  
SP-19 24/03/2003 5 . 3 . 0 [get it](#)  
SP-20 18/06/2003 5 . 4 . 0 [get it](#)  
*WG (prime / other):* S3 / *rapporteur:* WILHELM, Berthold BUNDESMINISTERIUM FUR WIRTSCHAFT  
*G:* *U:* yes *MCC:* POPE, Maurice

## TS 33.200 3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security

Rel-5 *current version:* 5.1.0 *freeze\_meeting:* SP-15  
*history (event, available, version,*  
SP-15 26/03/2002 5 . 0 . 0 [get it](#) *remarks - general:* 2001-05-24: title grows MAP; see 33.210 for IP equivalent.  
SP-18 18/12/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
*WG (prime / other):* S3 / - *rapporteur:* ESCOTT, Adrian 3  
*G:* *U:* yes *MCC:* POPE, Maurice

## TS 33.201 Access domain security

Rel-5 *current version:* none *freeze\_meeting:* SP-15  
*history (event, available, version,*  
*WG (prime / other):* S3 / *rapporteur:* POPE, Maurice ETSI Secretariat  
*G:* *U:* yes *MCC:* POPE, Maurice  
*remarks - general:*  
*remarks - this release:* .

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## TS 33.203 3G security; Access security for IP-based services

Rel-5 *current version:* 5.6.0 *WG (prime / other):* S3 / *rapporteur:* BOMAN, Krister Telefon AB LM Ericsson  
*freeze\_meeting:* SP-15 *G: yes U: yes* *MCC:* POPE, Maurice  
*history (event, available, version,*  
SP-13 03/10/2001 0 . 4 . 0 anticipate v2.0.0 at SP-15 [get it](#) *remarks - general:*  
SP-14 02/01/2002 1 . 0 . 0 SP-010624 [get it](#) *remarks - this release:*  
SP-15 19/03/2002 2 . 0 . 0 SP-020116 [get it](#)  
SP-15 26/03/2002 5 . 0 . 0 But CR at SP-15 to correct reference to [get it](#)  
SIP.  
SP-15 26/03/2002 5 . 1 . 0 [get it](#)  
SP-16 19/06/2002 5 . 2 . 0 [get it](#)  
SP-17 18/09/2002 5 . 3 . 0 [get it](#)  
SP-18 18/12/2002 5 . 4 . 0 [get it](#)  
SP-19 24/03/2003 5 . 5 . 0 There are two annexes J; this will be [get it](#)  
corrected after SP-20.  
SP-20 18/06/2003 5 . 6 . 0 [get it](#)

## TS 33.210 3G security; Network Domain Security (NDS); IP network layer security

Rel-5 *current version:* 5.4.0 *WG (prime / other):* S3 / - *rapporteur:* KOIEN, Geir Telenor AS  
*freeze\_meeting:* SP-15 *G: yes U: yes* *MCC:* POPE, Maurice  
*history (event, available, version,*  
SP-14 02/01/2002 1 . 0 . 0 SP-010623 [get it](#) *remarks - general:* 2001-05-24: 33.200 split into MAP (33.200) and IP (33.210).  
SP-15 19/03/2002 2 . 0 . 0 SP-020117 [get it](#) *remarks - this release:*  
SP-15 26/03/2002 5 . 0 . 0 [get it](#)  
SP-16 19/06/2002 5 . 1 . 0 [get it](#)  
SP-18 18/12/2002 5 . 2 . 0 [get it](#)  
SP-19 24/03/2003 5 . 3 . 0 [get it](#)  
SP-20 18/06/2003 5 . 4 . 0 [get it](#)

## 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,*  
draft 0 . 4 . 1 v number seems to have restarted. Not *remarks - general:*  
uploaded for fear of confusion. *remarks - this release:* .

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**TR 33.903 Access Security for IP based services**

Rel-5 *current version:* none  
*freeze\_meeting:* SP-15  
*history (event, available, version,*

*WG (prime / other):* S3 / - *rapporteur:* VACANT,  
G: U: yes *MCC:* POPE, Maurice

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

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**TS 34.109 Terminal logical test interface; Special conformance testing functions**

Rel-5 *current version:* 5.3.0  
*freeze\_meeting:* RP-15  
*history (event, available, version,*

*WG (prime / other):* R2 / T1 *rapporteur:* BERGGREN, Anders Ericsson Incorporated  
G: U: yes *MCC:* ARZELIER, Claude

RP-15 19/03/2002 5 . 0 . 0  
RP-16 17/06/2002 5 . 1 . 0  
RP-18 13/01/2003 5 . 2 . 0  
RP-19 25/03/2003 5 . 3 . 0

[get it](#) *remarks - general:* TSG#7: Will be transferred to RAN2 after approval. TSG#8:txfer is delayed.  
[get it](#) *remarks - this release:* . TSG#9: Stable, so txfered from T1 to R2.  
[get it](#)  
[get it](#)

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**TS 34.121 Terminal Conformance Specification, Radio Transmission and Reception (FDD)**

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:*  
*history (event, available, version,*

*WG (prime / other):* T1 / - *rapporteur:* HIGUCHI, Kenji ADVANTEST Corporation  
G: U: yes *MCC:* SULTAN, Alain

TP-20 17/06/2003 5 . 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

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## TS 34.123-1 User Equipment (UE) conformance specification; Part 1: Protocol conformance specification

Rel-5 *current version:* 5.4.0 *WG (prime / other):* T1 / - *rapporteur:* SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* TP-16 *G:* U: yes *MCC:* SULTAN, Alain  
*history (event, available, version,*  
TP-16 19/06/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
corrects page 24/06/2002 5 . 0 . 1 [get it](#) *remarks - this release:* .  
headers  
TP-17 10/09/2002 5 . 1 . 0 [get it](#)  
edito post TP-17 20/09/2002 5 . 1 . 1 There were two annexes C ! [get it](#)  
TP-18 18/12/2002 5 . 2 . 0 [get it](#)  
TP-19 24/03/2003 5 . 3 . 0 [get it](#)  
TP-20 17/06/2003 5 . 4 . 0 [get it](#)

## TS 34.123-2 User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification

Rel-5 *current version:* 5.4.0 *WG (prime / other):* T1 / - *rapporteur:* HU, Shicheng ETSI Secretariat  
*freeze\_meeting:* TP-16 *G:* U: yes *MCC:* SULTAN, Alain  
*history (event, available, version,*  
TP-16 19/06/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
TP-17 10/09/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
TP-18 18/12/2002 5 . 2 . 0 [get it](#)  
TP-19 24/03/2003 5 . 3 . 0 [get it](#)  
TP-20 17/06/2003 5 . 4 . 0 [get it](#)

## TS 34.124 Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment

Rel-5 *current version:* 5.3.0 *WG (prime / other):* R4 / - *rapporteur:* SOERENSEN, Ole NOKIA Corporation  
*freeze\_meeting:* RP-15 *G:* U: yes *MCC:* GUTIERREZ MIGUELEZ, Cesar  
*history (event, available, version,*  
RP-15 03/04/2002 5 . 0 . 0 [get it](#) *remarks - general:* T1->R4@TSG#10  
RP-17 02/10/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
RP-18 10/01/2003 5 . 2 . 0 [get it](#)  
RP-19 04/04/2003 5 . 3 . 0 [get it](#)

## TR 34.926 Table of international EMC requirements

Rel-5 *current version:* 5.0.0 *WG (prime / other):* R4 / - *rapporteur:* FENN, John B SAMSUNG Electronics Research Institute  
*freeze\_meeting:* RP-15 *G:* U: yes *MCC:* GUTIERREZ MIGUELEZ, Cesar  
*history (event, available, version,*  
RP-15 02/04/2002 5 . 0 . 0 [get it](#) *remarks - general:* Plan approved TSG#7 TP-000036). T1->R4@TSG#10  
*remarks - this release:* .

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Server ACTIVE specs Rel-5 34 .- series  
[http://www.3gpp.org/ftp/Specs/archive/34\\_series](http://www.3gpp.org/ftp/Specs/archive/34_series)

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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<b>TS 35.201</b>	<b>Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications</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	<i>G:</i> U: yes	<i>MCC:</i> POPE, Maurice						
	<i>history (event, available, version,</i>								
	SP-16 24/06/2002 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 35.202</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	<i>G:</i> U: yes	<i>MCC:</i> POPE, Maurice						
	<i>history (event, available, version,</i>								
	SP-16 24/06/2002 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	<i>G:</i> U: yes	<i>MCC:</i> POPE, Maurice						
	<i>history (event, available, version,</i>								
	SP-16 24/06/2002 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	<i>G:</i> U: yes	<i>MCC:</i> POPE, Maurice						
	<i>history (event, available, version,</i>								
	SP-16 24/06/2002 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 ACTIVE specs Rel-5 35 .- series  
[http://www.3gpp.org/ftp/Specs/archive/35\\_series](http://www.3gpp.org/ftp/Specs/archive/35_series)

<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*;</b>	Rel-5 VODAFONE Group Plc	current version: Document 1: General	5.0.0	WG (prime / other):	S3	/-	rapporteur:	WALKER, Michael
	freeze_meeting: SP-15			G:	U: yes	MCC:		POPE, Maurice	
	history (event, available, version, SP-16 24/06/2002 5 . 0 . 0			<a href="#">get it</a>	remarks - general:	ex SAGE. 2002-06: clarified that deliverable is TS not TR.		remarks - this release:	.
<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*;</b>	Rel-5 VODAFONE Group Plc	current version: Document 2: Algorithm specification	5.1.0	WG (prime / other):	S3	/-	rapporteur:	WALKER, Michael
	freeze_meeting: SP-15			G:	U: yes	MCC:		POPE, Maurice	
	history (event, available, version, SP-16 24/06/2002 5 . 0 . 0 SP-20 18/06/2003 5 . 1 . 0			<a href="#">get it</a>	remarks - general:	ex SAGE		remarks - this release:	.
				<a href="#">get it</a>	remarks - this release:	.			
<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*;</b>	Rel-5 VODAFONE Group Plc	current version: Document 3: Implementors' test data	5.0.0	WG (prime / other):	S3	/-	rapporteur:	WALKER, Michael
	freeze_meeting: SP-15			G:	U: yes	MCC:		POPE, Maurice	
	history (event, available, version, SP-16 24/06/2002 5 . 0 . 0			<a href="#">get it</a>	remarks - general:	ex SAGE		remarks - this release:	.
<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*;</b>	Rel-5 VODAFONE Group Plc	current version: Document 4: Design conformance test data	5.0.0	WG (prime / other):	S3	/-	rapporteur:	WALKER, Michael
	freeze_meeting: SP-15			G:	U: yes	MCC:		POPE, Maurice	
	history (event, available, version, SP-16 24/06/2002 5 . 0 . 0			<a href="#">get it</a>	remarks - general:	ex SAGE		remarks - this release:	.
<b>TR 35.909</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*;</b>	Rel-5 VODAFONE Group Plc	current version: Document 5: Summary and results of design and evaluation	5.0.0	WG (prime / other):	S3	/-	rapporteur:	WALKER, Michael
	freeze_meeting: SP-15			G:	U: yes	MCC:		POPE, Maurice	
	history (event, available, version, SP-16 24/06/2002 5 . 0 . 0			<a href="#">get it</a>	remarks - general:	ex SAGE		remarks - this release:	.

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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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**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  
*freeze\_meeting:* SP-15 *G: yes U:* *MCC:* POPE, Maurice One  
*history (event, available, version,*  
SP-16 24/06/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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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,*  
SP-16 24/06/2002 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:* 5.4.0 *WG (prime / other):* SP / *rapporteur:* MEREDITH, John M ETSI Secretariat  
*freeze\_meeting:* SP-20 *G: yes U:* *MCC:* POPE, Maurice  
*history (event, available, version,*  
SP-20 25/06/2003 5 . 4 . 0 Created from 41.103 v5.4.0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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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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Server ACTIVE specs Rel-5 42 .- series  
[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-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> DIETRICH, Christian	SchlumbergerSema - Schlumberger Systèmes S.A					
	<i>freeze_meeting:</i> TP-15	G: yes U:	<i>MCC:</i> DIETZE, Claus						
	<i>history (event, available, version,</i>								
	TP-12 06/07/2001 5 . 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-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,</i>								
	SP-16 24/06/2002 5 . 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-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,</i>								
	SP-16 19/07/2002 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> GALLIGO, Michel	ALCATEL S.A.					
	<i>freeze_meeting:</i> SP-16	G: yes U:	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version,</i>								
	SP-16 19/07/2002 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> GILES, Les	Union Internationale des Chemins de Fer					
	<i>freeze_meeting:</i> SP-16	G: yes U:	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version,</i>								
	SP-16 19/07/2002 5 . 0 . 0								
	correct title line 22/10/2002 5 . 0 . 1								
		<a href="#">get it</a>	<i>remarks - general:</i>						
		<a href="#">get it</a>	<i>remarks - this release:</i> .						

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Server ACTIVE specs Rel-5 42 .- series  
[http://www.3gpp.org/ftp/Specs/archive/42\\_series](http://www.3gpp.org/ftp/Specs/archive/42_series)

## TS 42.069 Voice Broadcast Service (VBS); Stage 1

Rel-5 *current version:* 5.0.1  
*freeze\_meeting:* SP-16  
*history (event, available, version,*  
SP-16 19/07/2002 5 . 0 . 0  
post SP-16 edito 29/07/2002 5 . 0 . 1  
*to history box*

*WG (prime / other):* S1 / - *rapporteur:* GILES, Les Union Internationale des Chemins de Fer  
*G: yes U:* *MCC:* CLAYTON, Michael

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

Rel-5 **43** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/43\\_series](http://www.3gpp.org/ftp/Specs/archive/43_series)

## TR 43.005 Technical performance objectives

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* NP-15  
*history (event, available, version,*  
NP-16 04/07/2002 5 . 0 . 0

*WG (prime / other):* NP / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*G: yes U:* *MCC:* BOSWARTHICK, David

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

## TS 43.010 GSM Public Land Mobile Network (PLMN) connection types

Rel-5 *current version:* 5.2.0  
*freeze\_meeting:* NP-15  
*history (event, available, version,*  
NP-15 20/03/2002 5 . 0 . 0  
NP-17 17/09/2002 5 . 1 . 0  
NP-18 06/01/2003 5 . 2 . 0

*WG (prime / other):* N3 / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*G: yes U:* *MCC:* BOSWARTHICK, David

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

## TS 43.013 Discontinuous Reception (DRX) in the GSM system

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* GP-10  
*history (event, available, version,*  
GP-10 19/07/2002 5 . 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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Server ACTIVE specs Rel-5 43 .- series  
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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-5	<i>current version:</i> 5.6.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> DIETRICH, Christian	SchlumbergerSema - Schlumberger Systèmes S.A		
	<i>freeze_meeting:</i> TP-15	G: yes U:	<i>MCC:</i> DIETZE, Claus			
<i>history (event, available, version,</i>						
	TP-12 12/11/2001	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> For test spec, see 51.013.		
	fix annexed library 21/11/2001	5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	file					
	TP-14 17/01/2002	5 . 1 . 0	<a href="#">get it</a>			
	TP-15 02/04/2002	5 . 2 . 0	<a href="#">get it</a>			
	TP-16 25/06/2002	5 . 3 . 0	<a href="#">get it</a>			
	TP-17 27/09/2002	5 . 4 . 0	<a href="#">get it</a>			
	TP-18 08/01/2003	5 . 5 . 0	<a href="#">get it</a>			
	TP-19 26/03/2003	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>MCC:</i> POPE, Maurice			
<i>history (event, available, version,</i>						
	SP-16 19/07/2002	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	G: yes U:	<i>MCC:</i> USAI, Paolino			
<i>history (event, available, version,</i>						
	GP-10 19/07/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Moved from SMG3 Jan 2000.		
	GP-11 19/09/2002	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .		
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<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	MOTOROLA A/S		
	<i>freeze_meeting:</i> GP-10	G: yes U:	Peter Skov			
<i>history (event, available, version,</i>						
	GP-10 19/07/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	re-issue as TR 31/07/2002	5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	(not TS) as per					
	03.26					

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<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: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	GP-10 19/07/2002 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 19/09/2002 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	<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version,</i>					
	SP-16 24/06/2002 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	<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version,</i>					
	NP-15 20/03/2002 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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-11 10/04/2001 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	

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

Rel-5 *current version:* 5.10.0  
*freeze\_meeting:* GP-09

*WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Guillaume NOKIA Corporation  
*G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version,*

GP-03 15/02/2001 5 . 0 . 0  
GP-04 20/04/2001 5 . 1 . 0  
GP-05 28/06/2001 5 . 2 . 0  
GP-06 01/10/2001 5 . 3 . 0  
GP-07 04/01/2002 5 . 4 . 0  
GP-08 19/02/2002 5 . 5 . 0  
GP-09 06/05/2002 5 . 6 . 0  
GP-11 19/09/2002 5 . 7 . 0  
GP-12 03/01/2003 5 . 8 . 0  
GP-14 25/04/2003 5 . 9 . 0  
GP-16 12/09/2003 5 . 10 . 0

[get it](#) *remarks - general:* Originally created as 03.51r00  
*remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 43.052 Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* GP-10

*WG (prime / other):* G1 / - *rapporteur:* GIRAUD, Alexis ALCATEL S.A.  
*G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version,*

GP-10 19/07/2002 5 . 0 . 0

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

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## TS 43.055 Dual Transfer Mode (DTM); Stage 2

Rel-5 *current version:* 5.2.0  
*freeze\_meeting:* GP-10

*WG (prime / other):* G1 / G2 *rapporteur:* CARRIZO MARTINEZ, VODAFONE Group Plc  
*G: yes U:* *MCC:* USAI, Paolino  
Jose Luis

*history (event, available, version,*

GP-10 19/07/2002 5 . 0 . 0  
GP-14 25/04/2003 5 . 1 . 0  
GP-16 12/09/2003 5 . 2 . 0

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

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## TR 43.058 Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* SP-16

*WG (prime / other):* S4 / - *rapporteur:* MONFORT, Jean-Yves France Telecom  
*G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version,*

SP-16 28/06/2002 5 . 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

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## TS 43.059 Functional stage 2 description of Location Services (LCS) in GERAN

Rel-5 *current version:* 5.3.1 *WG (prime / other):* G1 / - *rapporteur:* LIVINGSTON, Margaret NOKIA Corporation  
*freeze\_meeting:* GP-09 *G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version,*  
GP-06 01/10/2001 5 . 0 . 0 [get it](#) *remarks - general:*  
GP-07 04/01/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
GP-08 19/02/2002 5 . 2 . 0 [get it](#)  
GP-09 06/05/2002 5 . 3 . 0 [get it](#)  
remove hidden 25/04/2003 5 . 3 . 1 [get it](#)

## TS 43.064 Overall description of the GPRS radio interface; Stage 2

Rel-5 *current version:* 5.2.0 *WG (prime / other):* G1 / - *rapporteur:* LEPPISAARI, Arto NOKIA Corporation  
*freeze\_meeting:* GP-09 *G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version,*  
GP-09 06/05/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
GP-14 25/04/2003 5 . 1 . 0 [get it](#) *remarks - this release:* .  
make figs 20 and 02/05/2003 5 . 1 . 1 [get it](#)  
25 legible  
GP-16 12/09/2003 5 . 2 . 0 [get it](#)

## TS 43.068 Voice Group Call Service (VGCS); Stage 2

Rel-5 *current version:* 5.2.0 *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,*  
NP-16 19/06/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
post NP-16 edito 28/06/2002 5 . 0 . 1 [get it](#) *remarks - this release:* .  
NP-17 17/09/2002 5 . 1 . 0 [get it](#)  
NP-18 18/12/2002 5 . 2 . 0 [get it](#)

## TS 43.069 Voice Broadcast service (VBS); Stage 2

Rel-5 *current version:* 5.2.0 *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,*  
NP-16 19/06/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
post NP-16 edito 28/06/2002 5 . 0 . 1 [get it](#) *remarks - this release:* .  
NP-17 17/09/2002 5 . 1 . 0 [get it](#)  
NP-18 18/12/2002 5 . 2 . 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 *freeze\_meeting:* SP-16  
*history (event, available, version,*  
SP-16 24/06/2002 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:* .

*WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*G: yes U:* *MCC:* KYMALAINEN, Kimmo

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**TS 43.130 Iur-g interface; Stage 2**

Rel-5 *current version:* 5.0.0 *freeze\_meeting:* GP-11  
*history (event, available, version,*  
GP-11 16/09/2002 5 . 0 . 0 Technically identical to TR.43.930 [get it](#) *remarks - general:* Created identical to last version of 43.930. Also moved from G2 to G1.  
*remarks - this release:* .

*WG (prime / other):* G1 / - *rapporteur:* CARRIZO MARTINEZ, VODAFONE Group Plc  
*G: yes U:* *MCC:* Jose Luis USAI, Paolino

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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 *freeze\_meeting:* NP-15  
*history (event, available, version,*  
NP-16 20/06/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

*WG (prime / other):* N1 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*G: yes U:* *MCC:* Peter Skov JORGENSEN, Per Johan

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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 *freeze\_meeting:* GP-11  
*history (event, available, version,*  
GP-11 27/09/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
edito 17/12/2002 5 . 0 . 1 [get it](#) *remarks - this release:* .

*WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*G: yes U:* *MCC:* Peter Skov THOMASEN, Gert

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<b>TS 44.004</b>	<b>Layer 1 - General Requirements</b>					
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ISAACS, Ken	SIEMENS AG		
	<i>freeze_meeting:</i> GP-09	G: yes U:	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version,</i>					
	GP-06 15/11/2001 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	GP-07 08/01/2002 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	GP-09 06/05/2002 5 . 2 . 0	<a href="#">get it</a>				
<hr/>						
<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	MOTOROLA A/S		
	<i>freeze_meeting:</i> GP-11	G: yes U:	Peter Skov			
	<i>history (event, available, version,</i>		<i>MCC:</i> THOMASEN, Gert			
	GP-11 27/09/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	edito 17/12/2002 5 . 0 . 1	<a href="#">get it</a>	<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-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S		
	<i>freeze_meeting:</i> GP-11	G: yes U:	Peter Skov			
	<i>history (event, available, version,</i>		<i>MCC:</i> THOMASEN, Gert			
	GP-11 27/09/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			
<hr/>						
<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	MOTOROLA A/S		
	<i>freeze_meeting:</i> GP-11	G: yes U:	Peter Skov			
	<i>history (event, available, version,</i>		<i>MCC:</i> THOMASEN, Gert			
	GP-11 27/09/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Rel-4 onwards. (Rel-99 was 24.012)			
	edito 17/12/2002 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .			
<hr/>						
<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> PUDNEY, Chris	VODAFONE Group Plc		
	<i>freeze_meeting:</i> NP-15	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version,</i>					
	NP-16 20/06/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			

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**TS 44.014 Individual equipment type requirements and interworking; Special conformance testing functions**

Rel-5 *current version:* 5.2.0 *WG (prime / other):* G2 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* GP-11 *G: yes U:* *MCC:* THOMASEN, Gert  
*history (event, available, version,*  
GP-11 27/09/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
GP-13 21/02/2003 5 . 1 . 0 [get it](#) *remarks - this release:* .  
GP-15 10/07/2003 5 . 2 . 0 [get it](#)

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**TS 44.018 Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol**

Rel-5 *current version:* 5.12.0 *WG (prime / other):* G2 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* GP-09 *G: yes U:* *MCC:* THOMASEN, Gert  
*history (event, available, version,*  
GP-04 04/05/2001 5 . 0 . 0 [get it](#) *remarks - general:*  
GP-05 18/06/2001 5 . 1 . 0 [get it](#) *remarks - this release:* .  
GP-06 10/09/2001 5 . 2 . 0 [get it](#)  
GP-07 08/01/2002 5 . 3 . 0 [get it](#)  
GP-08 19/02/2002 5 . 4 . 0 [get it](#)  
GP-09 02/05/2002 5 . 5 . 0 [get it](#)  
GP-10 19/07/2002 5 . 6 . 0 [get it](#)  
GP-11 16/09/2002 5 . 7 . 0 [get it](#)  
GP-12 17/12/2002 5 . 8 . 0 [get it](#)  
GP-13 21/02/2003 5 . 9 . 0 [get it](#)  
GP-14 28/04/2003 5 . 10 . 0 [get it](#)  
GP-15 10/07/2003 5 . 11 . 0 [get it](#)  
GP-16 12/09/2003 5 . 12 . 0 [get it](#)

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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,*  
NP-14 11/01/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
post NP-17 - 02/10/2002 5 . 0 . 1 [get it](#) *remarks - this release:* .  
replace illegible  
figures  
NP-17 18/09/2002 5 . 1 . 0 [get it](#)  
post NP-17 - 02/10/2002 5 . 1 . 1 [get it](#)  
replace illegible  
figures  
NP-18 06/01/2003 5 . 2 . 0 [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> 5.6.0	<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,</i>				
	GP-06 14/09/2001 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	GP-07 08/01/2002 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .	
	GP-08 19/02/2002 5 . 2 . 0		<a href="#">get it</a>		
	GP-09 02/05/2002 5 . 3 . 0		<a href="#">get it</a>		
	GP-10 19/07/2002 5 . 4 . 0		<a href="#">get it</a>		
	GP-11 16/09/2002 5 . 5 . 0		<a href="#">get it</a>		
	GP-16 12/09/2003 5 . 6 . 0		<a href="#">get it</a>		

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<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,</i>				
	GP-11 27/09/2002 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	edito 17/12/2002 5 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> .	

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<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,</i>				
	NP-16 20/06/2002 5 . 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-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,</i>				
	NP-16 20/06/2002 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
				<i>remarks - this release:</i> .	

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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> 5.8.0	<i>WG (prime / other):</i> G2 /	<i>rapporteur:</i> BLACK, Jyoti	MOTOROLA	
	<i>freeze_meeting:</i> GP-09	<i>G: yes U:</i>	<i>MCC:</i> THOMASEN, Gert		
<i>history (event, available, version,</i>					
	GP-08	19/02/2002	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	03/05/2002	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	28/05/2002	5 . 1 . 1	<a href="#">get it</a>	
	GP-10	19/07/2002	5 . 2 . 0	<a href="#">get it</a>	
	GP-11	16/09/2002	5 . 3 . 0	<a href="#">get it</a>	
	GP-12	17/12/2002	5 . 4 . 0	<a href="#">get it</a>	
	GP-13	21/02/2003	5 . 5 . 0	<a href="#">get it</a>	
	GP-14	29/04/2003	5 . 6 . 0	<a href="#">get it</a>	
	GP-15	10/07/2003	5 . 7 . 0	<a href="#">get it</a>	
	GP-16	13/09/2003	5 . 8 . 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-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> DOIG, Ian	MOTOROLA S.A.S	
	<i>freeze_meeting:</i> NP-15	<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan		
<i>history (event, available, version,</i>					
	NP-14	04/01/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
	NP-15	19/03/2002	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .
<hr/>					
<b>TS 44.065</b>	<b>Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDP)</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-15	<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan		
<i>history (event, available, version,</i>					
	NP-16	19/06/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> 24.065 existed, but scrapped since 04.65 is GSM only.
<i>remarks - this release:</i> .					
<hr/>					
<b>TS 44.068</b>	<b>Group Call Control (GCC) Protocol</b>				
Rel-5	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)	
	<i>freeze_meeting:</i> NP-15	<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan		
<i>history (event, available, version,</i>					
	NP-16	19/06/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
post	NP-16 edito	26/06/2002	5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .
					Correct faulty styles / clause

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<b>TS 44.069</b>	<b>Broadcast Call Control (BCC) protocol</b>								
Rel-5	<i>current version:</i> 5.0.0								
	<i>freeze_meeting:</i> NP-15								
	<i>history (event, available, version,</i>								
	NP-16 19/06/2002	5	.	0	.	0			
							<a href="#">get it</a>	<i>remarks - general:</i>	
								<i>remarks - this release:</i>	.
<hr/>									
<b>TS 44.071</b>	<b>Location Services (LCS); Mobile radio interface layer 3 LCS specification</b>								
Rel-5	<i>current version:</i> 5.0.1								
	<i>freeze_meeting:</i> GP-11								
	<i>history (event, available, version,</i>								
	GP-11 27/09/2002	5	.	0	.	0			
	edito 17/12/2002	5	.	0	.	1			
							<a href="#">get it</a>	<i>remarks - general:</i>	
							<a href="#">get it</a>	<i>remarks - this release:</i>	.
<hr/>									
<b>TS 44.118</b>	<b>Mobile radio interface layer 3 specification, Radio Resource Control (RRC) protocol; lu mode</b>								
Rel-5	<i>current version:</i> 5.6.0								
	<i>freeze_meeting:</i> GP-09								
	<i>history (event, available, version,</i>								
	GP-08 20/03/2002	1	.	1	.	0			GP-020289
	draft 26/03/2002	1	.	2	.	0			
	GP-08 27/03/2002	1	.	3	.	0			GP-02794
	draft 07/05/2002	1	.	4	.	0			
	GP-10 19/07/2002	5	.	0	.	0			
	GP-11 19/09/2002	5	.	1	.	0			
	GP-12 17/12/2002	5	.	2	.	0			
	GP-13 21/02/2003	5	.	3	.	0			
	GP-14 28/04/2003	5	.	4	.	0			
	GP-15 10/07/2003	5	.	5	.	0			
	GP-16 13/09/2003	5	.	6	.	0			
							<a href="#">get it</a>	<i>remarks - general:</i>	
								<i>remarks - this release:</i>	.

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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-5	<i>current version:</i> 5.6.0	<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> GP-09	G: yes U:	MCC:	THOMASEN, Gert	
<i>history (event, available, version,</i>					
	GP-09	22/04/2002	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	19/07/2002	5 . 0 . 0		<i>remarks - this release:</i> .
	GP-11	19/09/2002	5 . 1 . 0		<a href="#">get it</a>
	GP-12	17/12/2002	5 . 2 . 0		<a href="#">get it</a>
	GP-13	21/02/2003	5 . 3 . 0		<a href="#">get it</a>
	GP-14	29/04/2003	5 . 4 . 0		<a href="#">get it</a>
	GP-15	10/07/2003	5 . 5 . 0		<a href="#">get it</a>
	GP-16	13/09/2003	5 . 6 . 0		<a href="#">get it</a>

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<b>TR 44.901</b>	<b>External network assisted cell change (NACC)</b>				
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> BACKLUND, Ingemar	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> GP-09	G: yes U:	MCC:	THOMASEN, Gert	
<i>history (event, available, version,</i>					
	GP-06		0 . 4 . 0		<i>remarks - general:</i> 2003-07-03 (JMM): WI UID 23011?. See also 25.901.
	GP-08	04/04/2002	0 . 7 . 0	GP-020220	<i>remarks - this release:</i> .
	GP-08	04/04/2002	1 . 0 . 0	GP-020427	<a href="#">get it</a>
	GP-08	19/03/2002	2 . 0 . 0	GP-020491	<a href="#">get it</a>
	GP-08	26/03/2002	5 . 0 . 0		<a href="#">get it</a>
	GP-09	06/05/2002	5 . 1 . 0		<a href="#">get it</a>

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Rel-5 **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 45.001 Physical layer on the radio path; General description

Rel-5 *current version:* 5.6.0  
*freeze\_meeting:* GP-09  
*history (event, available, version,*

*WG (prime / other):* G1 / - *rapporteur:* JOKINEN, Harri  
*G: yes U:* *MCC:* USAI, Paolino

NOKIA MOBILE PHONES

GP-03 15/02/2001 5 . 0 . 0  
GP-06 01/10/2001 5 . 1 . 0  
GP-07 04/01/2002 5 . 2 . 0  
GP-09 06/05/2002 5 . 3 . 0  
GP-10 19/07/2002 5 . 4 . 0  
GP-12 03/01/2003 5 . 5 . 0  
GP-14 25/04/2003 5 . 6 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
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## TS 45.002 Multiplexing and multiple access on the radio path

Rel-5 *current version:* 5.11.0  
*freeze\_meeting:* GP-09  
*history (event, available, version,*

*WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist  
*G: yes U:* *MCC:* USAI, Paolino

NOKIA Corporation

GP-03 15/02/2001 5 . 0 . 0  
edito 27/02/2001 5 . 0 . 1  
GP-04 20/04/2001 5 . 1 . 0  
GP-06 01/10/2001 5 . 2 . 0  
GP-07 04/01/2002 5 . 3 . 0  
GP-08 19/02/2002 5 . 4 . 0  
GP-09 06/05/2002 5 . 5 . 0  
GP-10 19/07/2002 5 . 6 . 0  
GP-12 03/01/2003 5 . 7 . 0  
GP-13 21/02/2003 5 . 8 . 0  
GP-14 25/04/2003 5 . 9 . 0  
GP-15 11/07/2003 5 . 10 . 0  
GP-16 12/09/2003 5 . 11 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
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## TS 45.003 Channel coding

Rel-5 *current version:* 5.8.0  
*freeze\_meeting:* GP-09  
*history (event, available, version,*

*WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist  
*G: yes U:* *MCC:* USAI, Paolino

NOKIA Corporation

GP-03 06/02/2001 5 . 0 . 0  
GP-05 28/06/2001 5 . 1 . 0  
GP-06 01/10/2001 5 . 2 . 0  
GP-07 04/01/2002 5 . 3 . 0  
GP-08 19/02/2002 5 . 4 . 0  
GP-09 06/05/2002 5 . 5 . 0  
GP-10 19/07/2002 5 . 6 . 0  
GP-14 25/04/2003 5 . 7 . 0  
GP-15 11/07/2003 5 . 8 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
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## TS 45.004 Modulation

Rel-5 *current version:* 5.1.0  
*freeze\_meeting:* GP-09  
*history (event, available, version,*

*WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist  
*G: yes U:* *MCC:* USAI, Paolino

NOKIA Corporation

GP-07 04/01/2002 5 . 0 . 0  
GP-10 19/07/2002 5 . 1 . 0

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

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## TS 45.005 Radio transmission and reception

Rel-5 *current version:* 5.9.0  
*freeze\_meeting:* GP-09  
*history (event, available, version,*

*WG (prime / other):* G1 / - *rapporteur:* SAMUELSSON, Mats  
*G: yes U:* *MCC:* USAI, Paolino

GP-05 28/06/2001 5 . 0 . 0  
GP-06 01/10/2001 5 . 1 . 0  
GP-07 04/01/2002 5 . 2 . 0  
GP-09 06/05/2002 5 . 3 . 0  
GP-10 19/07/2002 5 . 4 . 0  
GP-11 19/09/2002 5 . 5 . 0  
GP-12 03/01/2003 5 . 6 . 0  
GP-13 21/02/2003 5 . 7 . 0  
GP-14 25/04/2003 5 . 8 . 0  
GP-16 12/09/2003 5 . 9 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* .  
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## TS 45.008 Radio subsystem link control

Rel-5 current version: 5.12.0

freeze\_meeting: GP-09

history (event, available, version,

GP-03		5	.	0	.	0
GP-04	20/04/2001	5	.	1	.	0
GP-05	28/06/2001	5	.	2	.	0
GP-06	01/10/2001	5	.	3	.	0
GP-07	04/01/2002	5	.	4	.	0
GP-08	19/02/2002	5	.	5	.	0
GP-09	06/05/2002	5	.	6	.	0
GP-10	19/07/2002	5	.	7	.	0
GP-11	19/09/2002	5	.	8	.	0
GP-13	21/02/2003	5	.	9	.	0
GP-14	25/04/2003	5	.	10	.	0
GP-15	11/07/2003	5	.	11	.	0
GP-16	12/09/2003	5	.	12	.	0

WG (prime / other): G1 / - rapporteur: EL-SAIGH, Amer  
G: yes U: MCC: USAI, Paolino

VODAFONE Group Plc

remarks - general:  
remarks - this release:

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## TS 45.009 Link adaptation

Rel-5 current version: 5.5.0

freeze\_meeting: GP-09

history (event, available, version,

GP-03	06/02/2001	5	.	0	.	0
GP-06	01/10/2001	5	.	1	.	0
GP-07	04/01/2002	5	.	2	.	0
GP-08	19/02/2002	5	.	3	.	0
GP-09	06/05/2002	5	.	4	.	0
GP-10	19/07/2002	5	.	5	.	0

WG (prime / other): G1 / - rapporteur: ANDERSEN, Niels  
G: yes U: MCC: Peter Skov  
USAI, Paolino

MOTOROLA A/S

remarks - general:  
remarks - this release:

[get it](#)  
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[get it](#)  
[get it](#)

## TS 45.010 Radio subsystem synchronization

Rel-5 current version: 5.3.0

freeze\_meeting: GP-10

history (event, available, version,

GP-10	19/07/2002	5	.	0	.	0
GP-11	19/09/2002	5	.	1	.	0
GP-13	21/02/2003	5	.	2	.	0
GP-16	12/09/2003	5	.	3	.	0

WG (prime / other): G1 / - rapporteur: JOKINEN, Harri  
G: yes U: MCC: USAI, Paolino

NOKIA MOBILE PHONES

remarks - general:  
remarks - this release: .

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**TR 45.022 Radio link management in hierarchical networks**

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* GP-10  
*history (event, available, version,*  
GP-10 19/07/2002 5 . 0 . 0

*WG (prime / other):* G1 / - *rapporteur:* VAN BUSSEL, Han T-MOBILE DEUTSCHLAND  
*G: yes U:* *MCC:* USAI, Paolino  
[get it](#) *remarks - general:*  
*remarks - this release:* .

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**TR 45.050 Background for RF Requirements**

Rel-5 *current version:* 5.0.1  
*freeze\_meeting:* GP-10  
*history (event, available, version,*  
GP-10 19/07/2002 5 . 0 . 0  
clean up 19/09/2002 5 . 0 . 1

*WG (prime / other):* G1 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*G: yes U:* *MCC:* Peter Skov  
USAI, Paolino  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* .

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**TS 45.056 CTS-FP Radio Sub-system**

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* GP-10  
*history (event, available, version,*  
GP-10 19/07/2002 5 . 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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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  
*freeze\_meeting:* SP-16  
*history (event, available, version,*  
SP-16 28/06/2002 5 . 0 . 0

*WG (prime / other):* S4 / - *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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[http://www.3gpp.org/ftp/Specs/archive/46\\_series](http://www.3gpp.org/ftp/Specs/archive/46_series)

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<b>TS 46.002</b>	<b>Half Rate Speech Processing Functions</b>	Rel-5 current version: 5.0.0 freeze_meeting: SP-16 history (event, available, version, SP-16 28/06/2002 5 . 0 . 0	WG (prime / other): S4 / - G: yes U:	rapporteur: AFTELAK, Steve MCC: USAI, Paolino	MOTOROLA Ltd
			<a href="#">get it</a>	remarks - general: remarks - this release: .	
<hr/>					
<b>TS 46.006</b>	<b>Half-rate speech: ANSI-C code for GSM half-rate speech codec</b>	Rel-5 current version: 5.0.0 freeze_meeting: SP-16 history (event, available, version, SP-16 28/06/2002 5 . 0 . 0	WG (prime / other): S4 / - G: yes U:	rapporteur: AFTELAK, Steve MCC: USAI, Paolino	MOTOROLA Ltd
			<a href="#">get it</a>	remarks - general: remarks - this release: .	
<hr/>					
<b>TS 46.007</b>	<b>Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec</b>	Rel-5 current version: 5.0.0 freeze_meeting: SP-16 history (event, available, version, SP-16 28/06/2002 5 . 0 . 0	WG (prime / other): S4 / - G: yes U:	rapporteur: AFTELAK, Steve MCC: USAI, Paolino	MOTOROLA Ltd
			<a href="#">get it</a>	remarks - general: remarks - this release: .	
<hr/>					
<b>TR 46.008</b>	<b>Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec</b>	Rel-5 current version: 5.0.0 freeze_meeting: SP-16 history (event, available, version, SP-16 28/06/2002 5 . 0 . 0	WG (prime / other): S4 / - G: yes U:	rapporteur: SALEM, Tarek MCC: USAI, Paolino	T-MOBILE DEUTSCHLAND
			<a href="#">get it</a>	remarks - general: remarks - this release: .	
<hr/>					
<b>TS 46.010</b>	<b>Full-rate speech transcoding</b>	Rel-5 current version: 5.0.0 freeze_meeting: SP-16 history (event, available, version, SP-16 28/06/2002 5 . 0 . 0	WG (prime / other): S4 / - G: yes U:	rapporteur: LORENZ, Dietmar MCC: USAI, Paolino	PHILIPS Semiconductors
			<a href="#">get it</a>	remarks - general: remarks - this release: .	

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<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,</i> SP-16 28/06/2002 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,</i> SP-16 28/06/2002 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
<hr/>					
<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,</i> SP-16 28/06/2002 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,</i> SP-16 28/06/2002 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,</i> SP-16 28/06/2002 5 . 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-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,</i> SP-16 28/06/2002 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,</i> SP-16 28/06/2002 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .				
<hr/>									
<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,</i> SP-16 28/06/2002 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,</i> SP-16 28/06/2002 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,</i> SP-16 28/06/2002 5 . 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-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,</i> SP-16 28/06/2002 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,</i> SP-16 28/06/2002 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
<hr/>					
<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,</i> SP-16 28/06/2002 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,</i> SP-16 28/06/2002 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,</i> SP-16 28/06/2002 5 . 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-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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version,</i> SP-16 28/06/2002 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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version,</i> SP-16 28/06/2002 5 . 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-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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version,</i> SP-16 28/06/2002 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .		
<hr/>							
<b>TR 46.085</b>	<b>Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation</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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version,</i> SP-16 28/06/2002 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .		

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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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<b>TS 48.001</b>	<b>General Aspects on the BSS-MSC Interface</b>				
Rel-5	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels		MOTOROLA A/S
	<i>freeze_meeting:</i> GP-11		Peter Skov		
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version,</i>				
	GP-11 27/09/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	edito 17/12/2002 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .		
<hr/>					
<b>TS 48.002</b>	<b>Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles</b>				
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels		MOTOROLA A/S
	<i>freeze_meeting:</i> GP-09		Peter Skov		
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version,</i>				
	GP-04 05/10/2001 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	GP-09 06/05/2002 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .		
<hr/>					
<b>TS 48.004</b>	<b>Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification</b>				
Rel-5	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels		MOTOROLA A/S
	<i>freeze_meeting:</i> GP-11		Peter Skov		
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version,</i>				
	GP-11 27/09/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	edito 17/12/2002 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .		
<hr/>					
<b>TS 48.006</b>	<b>Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface</b>				
Rel-5	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels		MOTOROLA A/S
	<i>freeze_meeting:</i> GP-11		Peter Skov		
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version,</i>				
	GP-11 27/09/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	edito 17/12/2002 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .		

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

Rel-5 *current version:* 5.10.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* GP-09

*G:* yes *U:* *MCC:* THOMASEN, Gert

*history (event, available, version,*

GP-04	04/05/2001	5	.	0	.	0
GP-05	19/06/2001	5	.	1	.	0
GP-06	14/09/2001	5	.	2	.	0
GP-07	08/01/2002	5	.	3	.	0
GP-08	19/02/2002	5	.	4	.	0
GP-09	06/05/2002	5	.	5	.	0
GP-10	19/07/2002	5	.	6	.	0
GP-11	16/09/2002	5	.	7	.	0
GP-12	18/12/2002	5	.	8	.	0
GP-15	10/07/2003	5	.	9	.	0
GP-16	12/09/2003	5	.	10	.	0

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

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

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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-5 *current version:* 5.0.1 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* GP-11

*G:* yes *U:* *MCC:* THOMASEN, Gert

*history (event, available, version,*

GP-11	27/09/2002	5	.	0	.	0
edito	17/12/2002	5	.	0	.	1

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

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

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**TS 48.016 General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service**

Rel-5 *current version:* 5.2.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* GP-09

*G:* yes *U:* *MCC:* THOMASEN, Gert

*history (event, available, version,*

GP-06	14/09/2001	5	.	0	.	0
GP-07	08/01/2002	5	.	1	.	0
GP-15	10/07/2003	5	.	2	.	0

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

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

[get it](#)

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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> 5.7.0								
	<i>freeze_meeting:</i> GP-09								
	<i>history (event, available, version,</i>								
	GP-06 10/09/2001	5	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
	GP-07 08/01/2002	5	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> .
	GP-08 19/02/2002	5	.	2	.	0		<a href="#">get it</a>	
	GP-09 06/05/2002	5	.	3	.	0		<a href="#">get it</a>	
	GP-10 19/07/2002	5	.	4	.	0		<a href="#">get it</a>	
	GP-11 16/09/2002	5	.	5	.	0		<a href="#">get it</a>	
	edito 17/12/2002	5	.	5	.	1		<a href="#">get it</a>	
	GP-13 21/02/2003	5	.	6	.	0		<a href="#">get it</a>	
	Editorial correction	29/04/2003	5	.	6	.	1	<a href="#">get it</a>	
	of reference in								
	tables 10.2.1 and								
	10.2.2								
	GP-15 10/07/2003	5	.	7	.	0		<a href="#">get it</a>	
<hr/>									
<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>freeze_meeting:</i> NP-15								
	<i>history (event, available, version,</i>								
	NP-14 11/01/2002	5	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
	NP-17 18/09/2002	5	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> .
	NP-18 09/01/2003	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>freeze_meeting:</i> GP-10								
	<i>history (event, available, version,</i>								
	GP-10 19/07/2002	5	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
									<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-5	<i>current version:</i> 5.0.1		<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i>	ANDERSEN, Niels		MOTOROLA A/S		
	<i>freeze_meeting:</i> GP-11				Peter Skov				
			<i>G:</i> yes <i>U:</i>	<i>MCC:</i>	THOMASEN, Gert				
	<i>history (event, available, version,</i>								
	GP-11 27/09/2002	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	edito 17/12/2002	5 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> .				
<hr/>									
<b>TS 48.052</b>	<b>Base Station Controller - Base Tranceiver 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		MOTOROLA A/S		
	<i>freeze_meeting:</i> GP-11				Peter Skov				
			<i>G:</i> yes <i>U:</i>	<i>MCC:</i>	THOMASEN, Gert				
	<i>history (event, available, version,</i>								
	GP-11 27/09/2002	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	edito 17/12/2002	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		MOTOROLA A/S		
	<i>freeze_meeting:</i> GP-11				Peter Skov				
			<i>G:</i> yes <i>U:</i>	<i>MCC:</i>	THOMASEN, Gert				
	<i>history (event, available, version,</i>								
	GP-11 27/09/2002	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	edito 17/12/2002	5 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> .				
<hr/>									
<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		MOTOROLA A/S		
	<i>freeze_meeting:</i> GP-11				Peter Skov				
			<i>G:</i> yes <i>U:</i>	<i>MCC:</i>	THOMASEN, Gert				
	<i>history (event, available, version,</i>								
	GP-11 27/09/2002	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i> .				

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<b>TS 48.058</b>	<b>Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification</b>				
Rel-5	current version: 5.6.0 freeze_meeting: GP-09	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
		G: yes U:	MCC: THOMASEN, Gert		
	history (event, available, version,				
	GP-04 04/05/2001 5 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	GP-05 18/06/2001 5 . 1 . 0	<a href="#">get it</a>	remarks - this release: .		
	GP-06 10/09/2001 5 . 2 . 0	<a href="#">get it</a>			
	GP-07 08/01/2002 5 . 3 . 0	<a href="#">get it</a>			
	GP-08 19/02/2002 5 . 4 . 0	<a href="#">get it</a>			
	GP-09 06/05/2002 5 . 5 . 0	<a href="#">get it</a>			
	GP-10 19/07/2002 5 . 6 . 0	<a href="#">get it</a>			

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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-5	current version: 5.2.0 freeze_meeting: GP-09	WG (prime / other): G1 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
		G: yes U:	MCC: USAI, Paolino		
	history (event, available, version,				
	GP-09 06/05/2002 5 . 0 . 0	<a href="#">get it</a>	remarks - general: 2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.		
	GP-10 19/07/2002 5 . 1 . 0	<a href="#">get it</a>	remarks - this release: .		
	GP-11 19/09/2002 5 . 2 . 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-5	current version: 5.0.0 freeze_meeting: GP-09	WG (prime / other): G1 / NP	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
		G: yes U:	MCC: USAI, Paolino		
	history (event, available, version,				
	GP-09 06/05/2002 5 . 0 . 0	<a href="#">get it</a>	remarks - general: 2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.		
			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-5	current version: 5.1.0 freeze_meeting: GP-11	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
		G: yes U:	MCC: THOMASEN, Gert		
	history (event, available, version,				
	GP-11 27/09/2002 5 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	edito 17/12/2002 5 . 0 . 1	<a href="#">get it</a>	remarks - this release: .		
	GP-15 10/07/2003 5 . 1 . 0	<a href="#">get it</a>			

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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)

## TR 49.001 General network interworking scenarios

Rel-5 current version: 5.0.0  
freeze\_meeting: NP-15

WG (prime / other): N4 / - rapporteur: KYMALAINEN, Kimmo TeliaSonera AB  
G: yes U: MCC: KYMALAINEN, Kimmo

history (event, available, version,  
NP-16 25/06/2002 5 . 0 . 0

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

## TS 49.008 Application of the Base Station System Application Part (BSSAP) on the E-Interface

Rel-5 current version: 5.1.0  
freeze\_meeting: NP-15

WG (prime / other): N1 / - rapporteur: FARHOUMAND, Ericsson Incorporated  
Rouzbeh  
G: yes U: MCC: JORGENSEN, Per Johan

history (event, available, version,  
NP-16 19/06/2002 5 . 0 . 0  
NP-19 24/03/2003 5 . 1 . 0

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

## TS 49.031 Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)

Rel-5 current version: 5.3.0  
freeze\_meeting: GP-09

WG (prime / other): G2 / - rapporteur: ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
G: yes U: MCC: THOMASEN, Gert

history (event, available, version,  
GP-06 02/10/2001 5 . 0 . 0  
edito 03/10/2001 5 . 0 . 1  
GP-07 08/01/2002 5 . 1 . 0  
GP-08 19/02/2002 5 . 2 . 0  
GP-10 19/07/2002 5 . 3 . 0

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

Rel-5 51 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/51\\_series](http://www.3gpp.org/ftp/Specs/archive/51_series)

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

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Server ACTIVE specs Rel-5 51 .- series  
[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:* 5.5.0 *WG (prime / other):* G3ne / S1 / *rapporteur:* HU, Shicheng ETSI Secretariat  
*freeze\_meeting:* SP-15 NP / T2 / SCP

G: yes U: MCC: CLAYTON, Michael

*history (event, available, version,*

GP-11 20/09/2002 5 . 0 . 0

GP-12 20/12/2002 5 . 1 . 0

GP-13 21/02/2003 5 . 2 . 0

replacement of 28/02/2003 5 . 2 . 1

omitted text post

GP-13

GP-14 25/04/2003 5 . 3 . 0

GP-15 22/07/2003 5 . 4 . 0

late availability due to extent of changes plus shortage of MCC

GP-16 05/09/2003 5 . 5 . 0

[get it](#)

[get it](#)

[get it](#)

[get it](#)

[get it](#)

[get it](#)

[get it](#)

*remarks - general:* 2001-11-19: G4->G5.

*remarks - this release:* .

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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:* 5.5.0 *WG (prime / other):* G3ne / S1 / *rapporteur:* HU, Shicheng ETSI Secretariat  
*freeze\_meeting:* GP-11 NP / T2 / SCP

G: yes U: MCC: CLAYTON, Michael

*history (event, available, version,*

GP-11 19/09/2002 5 . 0 . 0

GP-12 20/12/2002 5 . 1 . 0

GP-13 21/02/2003 5 . 2 . 0

GP-14 25/04/2003 5 . 3 . 0

GP-15 17/07/2003 5 . 4 . 0

late availability due to extent of changes plus shortage of MCC

GP-16 05/09/2003 5 . 5 . 0

[get it](#)

[get it](#)

[get it](#)

[get it](#)

[get it](#)

[get it](#)

*remarks - general:* 2001-11-19: G4->G5.

*remarks - this release:* .

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

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Server ACTIVE specs Rel-5 51 .- series  
[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:* 5.0.1 *WG (prime / other):* T3 / - *rapporteur:* LLOBREGAT, Fernando OBERTHUR CARD SYSTEMS S.A.  
*freeze\_meeting:* TP-20 *G: yes U:* *MCC:* DIETZE, Claus  
*history (event, available, version,*  
TP-20 23/06/2003 5 . 0 . 0 [get it](#) *remarks - general:*  
post TP-20 27/06/2003 5 . 0 . 1 [get it](#) *remarks - this release:* TP-16: WI is TP-020122.  
editorial to fix  
zipped annex E  
attachment

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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,*  
GP-10 19/07/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
GP-12 03/01/2003 5 . 1 . 0 [get it](#) *remarks - this release:* .  
GP-13 21/02/2003 5 . 2 . 0 [get it](#)  
GP-15 11/07/2003 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,*  
GP-10 19/07/2002 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:* TRUSS, Michael MOTOROLA Ltd  
*freeze\_meeting:* GP-10 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version,*  
GP-10 19/07/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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

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Server ACTIVE specs Rel-5 52 .- series  
[http://www.3gpp.org/ftp/Specs/archive/52\\_series](http://www.3gpp.org/ftp/Specs/archive/52_series)

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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,*  
SP-19 31/03/2003 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:* 4.9.0 *WG (prime / other):* SP / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
*freeze\_meeting:* SP-20 *G:* *U:* yes *MCC:* POPE, Maurice  
*history (event, available, version,*  
SP-20 25/06/2003 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  
*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:* DIETZE, Claus  
*history (event, available, version,*  
TP-11 09/04/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
TP-17 18/09/2002 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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Server ACTIVE specs Rel-4 21 .- series  
[http://www.3gpp.org/ftp/Specs/archive/21\\_series](http://www.3gpp.org/ftp/Specs/archive/21_series)

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**TS 21.133 3G security; Security threats and requirements**

Rel-4 *current version:* 4.1.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* S3 / - *rapporteur:* CHRISTOFFERSSON, Telia Promotor AB  
Per  
G: U: yes *MCC:* POPE, Maurice

*history (event, available, version,*  
SP-11 09/04/2001 4 . 0 . 0  
SP-14 07/01/2002 4 . 1 . 0

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

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**TR 21.801 Specification drafting rules**

Rel-4 *current version:* 4.3.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* SP / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
G: yes U: yes *MCC:* POPE, Maurice

*history (event, available, version,*  
SP-08 28/06/2000 1 . 0 . 0  
SP-08 30/06/2000 4 . 0 . 0  
SP-11 11/04/2001 4 . 1 . 0  
SP-13 01/10/2001 4 . 2 . 0  
SP-15 27/03/2002 4 . 3 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* Formal doc created after TSG#7. (Was briefly 21.200)  
[get it](#)  
[get it](#)

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**TR 21.900 Technical Specification Group working methods**

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* SP / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
G: yes U: yes *MCC:* POPE, Maurice

*history (event, available, version,*  
SP-11 11/04/2001 4 . 0 . 0

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

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**TR 21.905 Vocabulary for 3GPP Specifications**

Rel-4 *current version:* 4.5.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* S1 / - *rapporteur:* ZARRI, Michele T-Mobile (UK) Ltd  
G: U: yes *MCC:* CLAYTON, Michael

*history (event, available, version,*  
SP-09 18/10/2000 4 . 0 . 0  
SP-10 08/01/2001 4 . 1 . 0  
SP-11 02/04/2001 4 . 2 . 0  
SP-12 27/06/2001 4 . 3 . 0  
SP-13 05/10/2001 4 . 4 . 0  
SP-20 18/06/2003 4 . 5 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* Absorbs 01.04.  
[get it](#)  
[get it](#)  
[get it](#)

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

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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)

## 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,  
SP-09 18/10/2000 4 . 0 . 0 [get it](#) remarks - general: Transfer>TSG#5  
SP-10 08/01/2001 4 . 1 . 0 [get it](#) remarks - this release:  
remove change 28/02/2001 4 . 1 . 1 [get it](#)  
bars  
SP-12 27/06/2001 4 . 2 . 0 [get it](#)  
SP-15 25/03/2002 4 . 3 . 0 [get it](#)

## 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,  
SP-09 18/10/2000 4 . 0 . 0 [get it](#) remarks - general: Transfer>TSG#4  
SP-11 02/04/2001 4 . 1 . 0 [get it](#) remarks - this release:  
SP-12 27/06/2001 4 . 2 . 0 [get it](#)

## 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,  
SP-07 17/03/2000 4 . 0 . 0 [get it](#) remarks - general: Transfer>TSG#5  
SP-10 08/01/2001 4 . 1 . 0 [get it](#) remarks - this release:  
SP-12 27/06/2001 4 . 2 . 0 [get it](#)  
SP-15 25/03/2002 4 . 3 . 0 [get it](#)

## 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,  
SP-11 02/04/2001 4 . 0 . 0 [get it](#) remarks - general: Transfer>TSG#4  
SP-15 25/03/2002 4 . 1 . 0 [get it](#) remarks - this release:  
SP-16 04/07/2002 4 . 2 . 0 [get it](#)

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

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<b>TS 22.011</b>	<b>Service accessibility</b>								
Rel-4	<i>current version:</i> 4.8.0			<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> GALLAIRE, Jean Paul	France Telecom			
	<i>freeze_meeting:</i> SP-11			G: yes U: yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version,</i>								
	SP-07 17/03/2000	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
	SP-08 28/06/2000	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	SP-09 18/10/2000	4	.	2	.	0	<a href="#">get it</a>		
	SP-11 02/04/2001	4	.	3	.	0	<a href="#">get it</a>		
	SP-12 27/06/2001	4	.	4	.	0	<a href="#">get it</a>		
	SP-14 10/01/2002	4	.	5	.	0	<a href="#">get it</a>		
	SP-15 25/03/2002	4	.	6	.	0	<a href="#">get it</a>		
	SP-16 04/07/2002	4	.	7	.	0	<a href="#">get it</a>		
	SP-17 17/09/2002	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>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,</i>								
	SP-11 02/04/2001	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
	SP-15 25/03/2002	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> TSG#8: CR proposed creation, but not aprvd.	
	SP-16 04/07/2002	4	.	2	.	0	<a href="#">get it</a>		
	edito post SP-16 19/07/2002	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>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> NGUYEN NGOC, Sebastien	France Telecom			
	<i>freeze_meeting:</i> SP-11			G: yes U: yes	<i>MCC:</i> POPE, Maurice				
	<i>history (event, available, version,</i>								
	SP-11 02/04/2001	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
	SP-16 19/06/2002	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>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> DWYER, Paul	NORTEL NETWORKS (EUROPE)			
	<i>freeze_meeting:</i> SP-11			G: yes U: yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version,</i>								
	SP-11 02/04/2001	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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G = required in systems with GERAN access; U = required in systems with UMTS

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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> TOIVANEN, Annukka		NOKIA Corporation		
	<i>freeze_meeting:</i> SP-11			G: yes U: yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version,</i>								
	SP-11 02/04/2001	4	. 0	. 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-15 25/03/2002	4	. 1	. 0	<a href="#">get it</a>	<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,</i>								
	SP-18 06/01/2003	4	. 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 & <i>remarks - this release:</i> Created from 42.031 Rel-4. Rel-5 -> 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,</i>								
	SP-16 24/06/2002	4	. 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 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,</i>								
	SP-11 02/04/2001	4	. 0	. 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-16 04/07/2002	4	. 1	. 0	<a href="#">get it</a>	<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> 4.2.0			<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,</i>								
	SP-09 18/10/2000	4	. 0	. 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-10 08/01/2001	4	. 1	. 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-20 18/06/2003	4	. 2	. 0	<a href="#">get it</a>				

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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> WOLAK, Stephen	VODAFONE Group Plc			
	<i>freeze_meeting:</i> SP-11			<i>G: yes U: yes</i>	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version,</i>								
	SP-10 08/01/2001	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
	SP-11 02/04/2001	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> DAHLKVIST, Mikael	ERICSSON MOBILE COMMUNICATIONS AB			
	<i>freeze_meeting:</i> SP-11			<i>G: yes U: yes</i>	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version,</i>								
	SP-11 02/04/2001	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
	SP-15 25/03/2002	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	SP-20 18/06/2003	4	.	2	.	0	<a href="#">get it</a>		
	corect cover date 26/06/2003	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			<i>G: yes U: yes</i>	<i>MCC:</i> DIETZE, Claus				
	<i>history (event, available, version,</i>								
	TP-12 06/07/2001	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			<i>G: yes U: yes</i>	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version,</i>								
	draft 23/04/1999	0	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4.	
	SP-03 23/04/1999	0	.	1	.	1	<a href="#">get it</a>	<i>remarks - this release:</i>	
	SP-11 10/04/2001	4	.	0	.	0	<a href="#">get it</a>		
	edito 01/10/2001	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> CATALDO, Mark	Openwave Systems (N.I.) Ltd					
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version,</i>								
	SP-09 18/10/2000 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 25/03/2002 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	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version,</i>								
	SP-07 17/03/2000 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4						
	SP-08 28/06/2000 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>						
	SP-10 08/01/2001 4 . 2 . 0	<a href="#">get it</a>							
	SP-15 25/03/2002 4 . 3 . 0	<a href="#">get it</a>							
	SP-16 04/07/2002 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	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version,</i>								
	SP-11 02/04/2001 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	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version,</i>								
	SP-10 08/01/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4						
	SP-15 25/03/2002 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> 4.4.1		<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> WOHLERT, Randolph		SBC Communications Inc.
	<i>freeze_meeting:</i> SP-11		G: yes U: yes	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>					
	SP-08 28/06/2000 4 . 0 . 0	based on 3.2.0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4		
	SP-09 18/10/2000 4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-10 08/01/2001 4 . 2 . 0		<a href="#">get it</a>			
	SP-11 02/04/2001 4 . 3 . 0		<a href="#">get it</a>			
	SP-15 25/03/2002 4 . 4 . 0		<a href="#">get it</a>			
	edito post SP-15 04/04/2002 4 . 4 . 1		<a href="#">get it</a>			

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<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> RAUCH, Horst		T-MOBILE DEUTSCHLAND
	<i>freeze_meeting:</i> SP-11		G: yes U: yes	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>					
	SP-11 02/04/2001 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 22.076</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,</i>					
	SP-11 10/04/2001 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	edito 01/10/2001 4 . 0 . 1		<a href="#">get it</a>	<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-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,</i>					
	SP-09 29/10/2000 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-10 08/01/2001 4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-11 02/04/2001 4 . 2 . 0		<a href="#">get it</a>			
	SP-12 27/06/2001 4 . 3 . 0		<a href="#">get it</a>			
	SP-14 10/01/2002 4 . 4 . 0		<a href="#">get it</a>			
	SP-15 25/03/2002 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,</i>					
	SP-11 02/04/2001 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> AHNBERG, Tomas	Indicate persons who left Company and wait for new One		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	SP-11 02/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-15 25/03/2002 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> EVEN, Anne	France Telecom		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	SP-11 02/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-12 29/06/2001 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-15 25/03/2002 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,</i>					
	SP-11 02/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-15 25/03/2002 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> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	SP-11 02/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-15 25/03/2002 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> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	SP-11 02/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-15 25/03/2002 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> DWYER, Paul	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	SP-11 02/04/2001 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> BRADEN, Christian	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	SP-11 02/04/2001 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> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	SP-11 02/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-15 25/03/2002 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> KOKKOLA, Tommi	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	SP-11 02/04/2001 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 current version: 4.0.0 freeze_meeting: SP-11 history (event, available, version, SP-11 02/04/2001 4 . 0 . 0	WG (prime / other): S1 / - G: yes U: yes	rapporteur: CLAYTON, Michael MCC: CLAYTON, Michael	EMCOM Ltd	<a href="#">get it</a> remarks - general: Transfer>TSG#4 remarks - this release:
<b>TS 22.093</b>	<b>Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1</b>	Rel-4 current version: 4.0.0 freeze_meeting: SP-11 history (event, available, version, SP-11 02/04/2001 4 . 0 . 0	WG (prime / other): S1 / - G: yes U: yes	rapporteur: CLAYTON, Michael MCC: CLAYTON, Michael	EMCOM Ltd	<a href="#">get it</a> remarks - general: Transfer>TSG#4 remarks - this release:
<b>TS 22.094</b>	<b>Follow Me service description - Stage 1</b>	Rel-4 current version: 4.1.0 freeze_meeting: SP-11 history (event, available, version, SP-11 02/04/2001 4 . 0 . 0 SP-15 25/03/2002 4 . 1 . 0	WG (prime / other): S1 / - G: yes U: yes	rapporteur: BERGMANN, Ansgar MCC: CLAYTON, Michael	Deutsche Telekom AG	<a href="#">get it</a> remarks - general: Transfer>TSG#4. GSM only @TSG#5 2003-07-21 (Clayton): S1 have decided to <a href="#">get it</a> remarks - this release: Apr2001: V3 unwithdrawn, so Rel-4 version produced. scrap 02,94 R99 in favour of a common GSM/UMTS spec, 22.094.
<b>TS 22.096</b>	<b>Name identification supplementary services; Stage 1</b>	Rel-4 current version: 4.0.0 freeze_meeting: SP-11 history (event, available, version, SP-11 02/04/2001 4 . 0 . 0	WG (prime / other): S1 / - G: yes U: yes	rapporteur: CLAYTON, Michael MCC: CLAYTON, Michael	EMCOM Ltd	<a href="#">get it</a> remarks - general: Transfer>TSG#4 remarks - this release:
<b>TS 22.097</b>	<b>Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1</b>	Rel-4 current version: 4.1.0 freeze_meeting: SP-11 history (event, available, version, SP-11 02/04/2001 4 . 0 . 0 SP-15 25/03/2002 4 . 1 . 0	WG (prime / other): S1 / - G: yes U: yes	rapporteur: DWYER, Paul MCC: CLAYTON, Michael	NORTEL NETWORKS (EUROPE)	<a href="#">get it</a> remarks - general: Transfer>TSG#4 <a href="#">get it</a> remarks - this release:

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<b>TS 22.101</b>	<b>Service aspects; Service principles</b>					
Rel-4	<i>current version:</i> 4.7.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> DWYER, Paul			NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	SP-08 28/06/2000 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	SP-09 18/10/2000 4 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> based on 3.9.0	
	SP-10 08/01/2001 4 . 2 . 0			<a href="#">get it</a>		
	SP-11 02/04/2001 4 . 3 . 0			<a href="#">get it</a>		
	SP-12 27/06/2001 4 . 4 . 0			<a href="#">get it</a>		
	spelling 31/07/2001 4 . 4 . 1			<a href="#">get it</a>		
	SP-13 05/10/2001 4 . 5 . 0			<a href="#">get it</a>		
	SP-15 25/03/2002 4 . 6 . 0			<a href="#">get it</a>		
	SP-20 18/06/2003 4 . 7 . 0			<a href="#">get it</a>		
<hr/>						
<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> EVEN, Anne			France Telecom
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	SP-09 18/10/2000 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	SP-10 08/01/2001 4 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	
	SP-12 27/06/2001 4 . 2 . 0			<a href="#">get it</a>		
	SP-15 25/03/2002 4 . 3 . 0			<a href="#">get it</a>		
<hr/>						
<b>TS 22.115</b>	<b>Service Aspects Charging and billing</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> MONTEGROSSO, Emanuele			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,</i>					
	SP-11 02/04/2001 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	
<hr/>						
<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> OGUNBEKUN, Jumoke			FUJITSU Laboratories of Europe Limited
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	SP-04 18/10/2000 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> Former title: "Provision of Services in UMTS - The Virtual Home Environment;	
	SP-11 02/04/2001 4 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> Stage 1". SP-16: converted from TS to TR.	
	SP-16 19/07/2002 4 . 1 . 1			<a href="#">get it</a>		Converted from TS to TR.

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## TS 22.127 Service Requirement for the Open Services Access (OSA); Stage 1

Rel-4 *current version:* 4.4.0 *WG (prime / other):* S1 / - *rapporteur:* SWETINA, Joerg SIEMENS AG  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* CLAYTON, Michael

*history (event, available, version,*

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	28/09/2000	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	12/01/2001	4 . 0 . 0		<a href="#">get it</a>	
SP-11	02/04/2001	4 . 1 . 0		<a href="#">get it</a>	
SP-12	27/06/2001	4 . 2 . 0		<a href="#">get it</a>	
SP-14	10/01/2002	4 . 3 . 0		<a href="#">get it</a>	
SP-15	28/03/2002	4 . 4 . 0		<a href="#">get it</a>	

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## TS 22.129 Handover requirements between UTRAN and GERAN or other radio systems

Rel-4 *current version:* 4.4.0 *WG (prime / other):* S1 / - *rapporteur:* SAMPSON, Nick ORANGE PCS LTD  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* CLAYTON, Michael

*history (event, available, version,*

SP-09	18/10/2000	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>
SP-10	08/01/2001	4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>
SP-11	02/04/2001	4 . 2 . 0		<a href="#">get it</a>	
SP-12	27/06/2001	4 . 3 . 0		<a href="#">get it</a>	
SP-14	10/01/2002	4 . 4 . 0		<a href="#">get it</a>	

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Server ACTIVE specs Rel-4 22 .- series  
[http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

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## TS 22.135 Multicall; Service description; Stage 1

Rel-4 *current version:* 4.2.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

SP-11	02/04/2001	4	.	0	.	0	
SP-15	27/03/2002	4	.	1	.	0	
SP-16		4	.	2	.	0	CR010 unimplementable because written to wrong version. No new CR at SP-17; still waiting.
SP-18	18/12/2002	4	.	2	.	0	CR010r1 implemented

WG (prime / other): S1 / - *rapporteur:* KOKKOLA, Tommi NOKIA Corporation  
G: U: yes *MCC:* CLAYTON, Michael

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

[get it](#)

---

## TS 22.140 Multimedia Messaging Service (MMS); Stage 1

Rel-4 *current version:* 4.3.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

SP-03	23/04/1999	0	.	0	.	0	
SP-05	08/10/1999	1	.	0	.	0	
SP-06	17/12/1999	2	.	0	.	0	
SP-08		4	.	0	.	0	
SP-08	28/06/2000	4	.	0	.	1	
SP-11	02/04/2001	4	.	1	.	0	
SP-15	28/03/2002	4	.	2	.	0	
SP-18	07/01/2003	4	.	3	.	0	

WG (prime / other): S1 / - *rapporteur:* LAUMEN, Josef SIEMENS AG  
G: U: yes *MCC:* CLAYTON, Michael

[get it](#) *remarks - general:* (development in T2)  
[get it](#) *remarks - this release:* based on 3.0.0

[get it](#)  
[get it](#)  
[get it](#)  
[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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[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-4 *current version:* 4.8.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* S2 / - *rapporteur:* SULTAN, Alain SOURCE COM  
*G: yes U: yes* *MCC:* YOON, Sang-Ui

SP-09 18/10/2000 4 . 0 . 0  
SP-10 21/12/2000 4 . 1 . 0  
SP-11 06/04/2001 4 . 2 . 0  
SP-12 29/06/2001 4 . 3 . 0  
SP-14 07/01/2002 4 . 4 . 0  
SP-17 24/09/2002 4 . 5 . 0  
SP-18 10/01/2003 4 . 6 . 0  
SP-19 27/03/2003 4 . 7 . 0  
SP-20 20/06/2003 4 . 8 . 0

[get it](#) *remarks - general:* Transfer>TSG#4,CR at TSG#5  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 23.003 Numbering, Addressing and Identification

Rel-4 *current version:* 4.6.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* N4 / - *rapporteur:* RUSSELL, Nick VODAFONE LTD  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

NP-11 02/04/2001 4 . 0 . 0  
NP-12 27/06/2001 4 . 1 . 0  
NP-13 03/10/2001 4 . 2 . 0  
NP-14 11/01/2002 4 . 3 . 0  
NP-16 21/06/2002 4 . 4 . 0  
NP-17 17/09/2002 4 . 5 . 0  
NP-20 27/06/2003 4 . 6 . 0

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

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## TS 23.007 Restoration procedures

Rel-4 *current version:* 4.1.1  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* N4 / - *rapporteur:* RUSSELL, Nick VODAFONE LTD  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

NP-11 04/04/2001 4 . 0 . 0  
corrects 24/06/2002 4 . 0 . 1  
NP-16 21/06/2002 4 . 1 . 0  
corrects 24/09/2002 4 . 1 . 1

[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

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## TS 23.008 Organisation of subscriber data

Rel-4 *current version:* 4.3.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* N4 / - *rapporteur:* BAUER, Rolf ALCATEL SEL AG  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*  
NP-11 28/03/2001 4 . 0 . 0  
NP-12 27/06/2001 4 . 1 . 0  
NP-16 21/06/2002 4 . 2 . 0  
NP-20 27/06/2003 4 . 3 . 0

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

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## TS 23.009 Handover procedures

Rel-4 *current version:* 4.8.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* N1 / N4 *rapporteur:* FARHOUMAND, Ericsson Incorporated  
Rouzbeh  
*G: yes U: yes* *MCC:* JORGENSEN, Per Johan

*history (event, available, version,*  
NP-11 11/04/2001 4 . 0 . 0  
NP-12 06/07/2001 4 . 1 . 0  
NP-13 05/10/2001 4 . 2 . 0  
NP-14 08/01/2002 4 . 3 . 0  
NP-16 20/06/2002 4 . 4 . 0  
NP-17 17/09/2002 4 . 5 . 0  
NP-18 02/01/2003 4 . 6 . 0  
NP-19 24/03/2003 4 . 7 . 0  
NP-20 27/06/2003 4 . 8 . 0

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

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## TS 23.011 Technical realization of Supplementary Services

Rel-4 *current version:* 4.0.1  
*freeze\_meeting:* SP-11

*WG (prime / other):* N4 / - *rapporteur:* CONRAD, Alan T-MOBILE DEUTSCHLAND  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*  
NP-11 04/04/2001 4 . 0 . 0  
corrects 24/06/2002 4 . 0 . 1

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

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## TS 23.012 Location management procedures

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*  
NP-11 04/04/2001 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

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**TS 23.014 Support of Dual Tone Multi Frequency (DTMF) signalling**

Rel-4 *current version:* 4.1.0  
*freeze\_meeting:* SP-11

*history (event, available, version,*  
NP-11 11/04/2001 4 . 0 . 0  
NP-17 17/09/2002 4 . 1 . 0

*WG (prime / other):* N1 / - *rapporteur:* ZAUS, Robert SIEMENS AG  
*G: yes U: yes* *MCC:* JORGENSEN, Per Johan

[get it](#) *remarks - general:* Should not be in UMTS ????  
[get it](#) *remarks - this release:*

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**TS 23.015 Technical realisation of Operator Determined Barring (ODB)**

Rel-4 *current version:* 4.0.1  
*freeze\_meeting:* SP-11

*history (event, available, version,*  
NP-11 02/04/2001 4 . 0 . 0  
corrects 24/06/2002 4 . 0 . 1

*WG (prime / other):* N4 / - *rapporteur:* PARK, Ian David VODAFONE LTD  
*G: yes U: yes* *MCC:* Chalmers  
KYMALAINEN, Kimmo

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

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**TS 23.016 Subscriber data management; Stage 2**

Rel-4 *current version:* 4.3.0  
*freeze\_meeting:* SP-11

*history (event, available, version,*  
NP-11 30/03/2001 4 . 0 . 0  
NP-15 28/03/2002 4 . 1 . 0  
NP-16 21/06/2002 4 . 2 . 0  
NP-17 17/09/2002 4 . 3 . 0

*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:*  
[get it](#)  
[get it](#)

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**TS 23.018 Basic Call Handling; Technical realization**

Rel-4 *current version:* 4.7.0  
*freeze\_meeting:* SP-11

*history (event, available, version,*  
NP-09 25/10/2000 4 . 0 . 0  
NP-10 21/12/2000 4 . 1 . 0  
NP-11 06/04/2001 4 . 2 . 0  
NP-12 27/06/2001 4 . 3 . 0  
NP-13 03/10/2001 4 . 4 . 0  
NP-14 16/01/2002 4 . 5 . 0  
NP-15 28/03/2002 4 . 6 . 0  
NP-19 04/04/2003 4 . 7 . 0

*WG (prime / other):* N4 / - *rapporteur:* PARK, Ian David VODAFONE LTD  
*G: yes U: yes* *MCC:* Chalmers  
KYMALAINEN, Kimmo

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

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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>freeze_meeting:</i> SP-18	<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,</i> SP-18 06/01/2003 4 . 0 . 0	G: yes U: yes	<i>MCC:</i> POPE, Maurice						
		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 & <i>remarks - this release:</i> Created from 43.031 Rel-4. Rel-5 -> 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>freeze_meeting:</i> SP-11	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> HIETALAHTI, Hannu	NOKIA Corporation					
	<i>history (event, available, version,</i> SP-11 11/04/2001 4 . 0 . 0 SP-18 07/01/2003 4 . 1 . 0 edito post SP-18 10/01/2003 4 . 1 . 1 to correct figures	G: yes U: yes	<i>MCC:</i> YOON, Sang-Ui						
			<a href="#">get it</a>	<i>remarks - general:</i> S2 responsibility?					
			<a href="#">get it</a>	<i>remarks - this release:</i>					
			<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>freeze_meeting:</i> SP-11	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i>						
	<i>history (event, available, version,</i> NP-11 11/04/2001 4 . 0 . 0	G: yes U: yes	<i>MCC:</i> JORGENSEN, Per Johan						
			<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>freeze_meeting:</i> SP-16	<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,</i> SP-16 24/06/2002 4 . 0 . 0 SP-17 18/09/2002 4 . 1 . 0	G: yes U: yes	<i>MCC:</i> POPE, Maurice						
			<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).					
			<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  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

TP-08	23/06/2000	4	.	0	.	0
TP-10	03/01/2001	4	.	1	.	0
TP-11	29/03/2001	4	.	2	.	0
TP-13	03/10/2001	4	.	3	.	0
TP-14	11/01/2002	4	.	4	.	0

*WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*G: yes U: yes* *MCC:* RODERMUND, Friedhelm

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* based on 3.3.0  
[get it](#)  
[get it](#)  
[get it](#)

---

## 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  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

TP-11	02/04/2001	4	.	0	.	0
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*WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*G: yes U: yes* *MCC:* RODERMUND, Friedhelm

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

---

## TS 23.040 Technical realization of Short Message Service (SMS)

Rel-4 *current version:* 4.8.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

TP-08	23/06/2000	4	.	0	.	0
TP-09	11/10/2000	4	.	1	.	0
TP-11	29/03/2001	4	.	2	.	0
TP-12	02/07/2001	4	.	3	.	0
TP-13	03/10/2001	4	.	4	.	0
TP-14	11/01/2002	4	.	5	.	0
TP-15	21/03/2002	4	.	6	.	0
TP-16	25/06/2002	4	.	7	.	0
TP-20	26/06/2003	4	.	8	.	0

*WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*G: yes U: yes* *MCC:* RODERMUND, Friedhelm

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

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

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## TS 23.041 Technical realization of Cell Broadcast Service (CBS)

Rel-4 *current version:* 4.4.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

TP-11	06/04/2001	4	.	0	.	0
TP-12	04/07/2001	4	.	1	.	0
TP-14	11/01/2002	4	.	2	.	0
TP-16	02/07/2002	4	.	3	.	0
TP-19	24/03/2003	4	.	4	.	0

*WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*G: yes U: yes* *MCC:* RODERMUND, Friedhelm

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

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## TS 23.042 Compression algorithm for SM S

Rel-4 *current version:* 4.0.1  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

TP-11	06/04/2001	4	.	0	.	0
include test vector file	17/10/2001	4	.	0	.	1

*WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*G: yes U: yes* *MCC:* RODERMUND, Friedhelm

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

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## TS 23.048 Security mechanisms for the (U)SIM application toolkit; Stage 2

Rel-4 *current version:* 4.4.0  
*freeze\_meeting:* TP-12  
*history (event, available, version,*

TP-12	06/07/2001	4	.	0	.	0
TP-13	12/10/2001	4	.	1	.	0
TP-14	17/01/2002	4	.	2	.	0
TP-15	28/03/2002	4	.	3	.	0
TP-19	26/03/2003	4	.	4	.	0

*WG (prime / other):* T3 / - *rapporteur:* BARNES, Nigel MOTOROLA Ltd  
*G: yes U: yes* *MCC:* DIETZE, Claus

[get it](#) *remarks - general:* TP-12: replaces 43.048. TP-15: For test spec, see 31.048,  
[get it](#) *remarks - this release:* .  
[get it](#)  
[get it](#)

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## TS 23.053 Tandem Free Operation (TFO); Service description; Stage 2

Rel-4 *current version:* 4.0.1  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

SP-05	13/10/1999	0	.	0	.	0
SP-11	29/03/2001	4	.	0	.	0
edito	01/10/2001	4	.	0	.	1

*WG (prime / other):* S4 / S2 *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*G: yes U: yes* *MCC:* USAI, Paolino

[get it](#) *remarks - general:* No draft.  
[get it](#) *remarks - this release:*  
[get it](#)

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

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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 TTPCom Ltd  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* RODERMUND, Friedhelm

*history (event, available, version,*  
TP-10 22/12/2000 4 . 0 . 0 [get it](#) *remarks - general:* Apr-2001: " Station Application" removed from title.  
TP-11 11/04/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
TP-12 05/07/2001 4 . 2 . 0 [get it](#)  
TP-13 05/10/2001 4 . 3 . 0 [get it](#)  
include fig 5 18/10/2001 4 . 3 . 1 [get it](#)  
TP-14 16/01/2002 4 . 4 . 0 [get it](#)  
TP-15 25/03/2002 4 . 5 . 0 [get it](#)

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**TS 23.060 General Packet Radio Service (GPRS) Service description; Stage 2**

Rel-4 *current version:* 4.8.0 *WG (prime / other):* S2 / - *rapporteur:* ZHAO, Yilin MOTOROLA Ltd  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* YOON, Sang-Ui

*history (event, available, version,*  
SP-11 06/04/2001 4 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4  
SP-12 29/06/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
SP-13 12/10/2001 4 . 2 . 0 [get it](#)  
SP-14 08/01/2002 4 . 3 . 0 [get it](#)  
edito 4 . 3 . 1  
SP-15 05/04/2002 4 . 4 . 0 [get it](#)  
SP-16 17/06/2002 4 . 5 . 0 [get it](#)  
SP-17 02/10/2002 4 . 6 . 0 [get it](#)  
SP-18 10/01/2003 4 . 7 . 0 [get it](#)  
SP-20 20/06/2003 4 . 8 . 0 [get it](#)

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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,*  
NP-11 04/04/2001 4 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4, CR at TSG#5  
corrects 24/06/2002 4 . 0 . 1 [get it](#) *remarks - this release:*

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<b>TS 23.067</b>	<b>Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2</b>						
Rel-4	current version: 4.1.1	WG (prime / other):	N4 / -	rapporteur:	SCHMITT, Peter	SIEMENS AG	
	freeze_meeting: SP-11	G: yes	U: yes	MCC:	KYMALAINEN, Kimmo		
	history (event, available, version,						
	NP-10 21/12/2000	4 . 0 . 0		<a href="#">get it</a>	remarks - general:		
	NP-12 27/06/2001	4 . 1 . 0		<a href="#">get it</a>	remarks - this release:		
	corrects 24/06/2002	4 . 1 . 1		<a href="#">get it</a>			
<hr/>							
<b>TS 23.072</b>	<b>Call Deflection Supplementary Service; Stage 2</b>						
Rel-4	current version: 4.0.1	WG (prime / other):	N4 / -	rapporteur:	CONRAD, Alan	T-MOBILE DEUTSCHLAND	
	freeze_meeting: SP-11	G: yes	U: yes	MCC:	KYMALAINEN, Kimmo		
	history (event, available, version,						
	NP-11 04/04/2001	4 . 0 . 0		<a href="#">get it</a>	remarks - general:		
	corrects 24/06/2002	4 . 0 . 1		<a href="#">get it</a>	remarks - this release:		
<hr/>							
<b>TS 23.078</b>	<b>Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2</b>						
Rel-4	current version: 4.9.0	WG (prime / other):	N2 / -	rapporteur:	HOMANN, Christian	ALCATEL SEL AG	
	freeze_meeting: SP-11	G: yes	U: yes	MCC:	JURISIC, Andrijana		
	history (event, available, version,						
	NP-11 02/04/2001	4 . 0 . 0		<a href="#">get it</a>	remarks - general:	CR at TSG#4,CR at TSG#5	
	NP-12 29/06/2001	4 . 1 . 0		<a href="#">get it</a>	remarks - this release:	Phase 3.	
	NP-13 03/10/2001	4 . 2 . 0		<a href="#">get it</a>			
	NP-14 04/01/2002	4 . 3 . 0		<a href="#">get it</a>			
	NP-15 19/03/2002	4 . 4 . 0		<a href="#">get it</a>			
	NP-16 17/06/2002	4 . 5 . 0		<a href="#">get it</a>			
	post NP-16 edito	19/06/2002	4 . 5 . 1	<a href="#">get it</a>			
	NP-17 17/09/2002	4 . 6 . 0		<a href="#">get it</a>			
	editorial correction	14/11/2002	4 . 6 . 1	<a href="#">get it</a>			minor correction, no need for SDO publication
	to cover page						
	NP-18 18/12/2002	4 . 7 . 0		<a href="#">get it</a>			
	NP-19 25/03/2003	4 . 8 . 0		<a href="#">get it</a>			
	NP-20 23/06/2003	4 . 9 . 0		<a href="#">get it</a>			

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**TS 23.079 Support of Optimal Routing (SOR); Technical realization; Stage 2**

Rel-4 *current version:* 4.2.0 *WG (prime / other):* N4 / - *rapporteur:* PARK, Ian David VODAFONE LTD  
*freeze\_meeting:* SP-11 *G: yes U: yes* *MCC:* Chalmers  
*history (event, available, version,* KYMALAINEN, Kimmo  
NP-11 04/04/2001 4 . 0 . 0 [get it](#) *remarks - general:* CR at TSG#4,CR at TSG#5  
NP-16 21/06/2002 4 . 1 . 0 [get it](#) *remarks - this release:* .  
NP-18 07/01/2003 4 . 2 . 0 [get it](#)

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**TS 23.081 Line Identification supplementary services; Stage 2**

Rel-4 *current version:* 4.1.0 *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*freeze\_meeting:* SP-11 *G: yes U: yes* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version,*  
NP-11 04/04/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
NP-17 17/09/2002 4 . 1 . 0 [get it](#) *remarks - this release:*

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**TS 23.082 Call Forwarding (CF) Supplementary Services; Stage 2**

Rel-4 *current version:* 4.3.0 *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*freeze\_meeting:* SP-11 *G: yes U: yes* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version,*  
NP-11 04/04/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
NP-12 27/06/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
NP-13 03/10/2001 4 . 2 . 0 [get it](#)  
NP-16 21/06/2002 4 . 3 . 0 [get it](#)

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**TS 23.083 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2**

Rel-4 *current version:* 4.3.0 *WG (prime / other):* N4 / - *rapporteur:* RUSSELL, Nick VODAFONE LTD  
*freeze\_meeting:* SP-11 *G: yes U: yes* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version,*  
NP-09 26/10/2000 4 . 0 . 0 [get it](#) *remarks - general:*  
NP-11 30/03/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
inclusion of 24/04/2001 4 . 2 . 0 [get it](#)  
missed CR  
NP-14 10/01/2002 4 . 3 . 0 [get it](#)

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<b>TS 23.084</b>	<b>MultiParty (MPTY) Supplementary Service; Stage 2</b>	Rel-4 current version: 4.0.0 freeze_meeting: SP-11 history (event, available, version, NP-11 30/03/2001 4 . 0 . 0	WG (prime / other): N4 / - G: yes U: yes	rapporteur: RUSSELL, Nick MCC: KYMALAINEN, Kimmo	VODAFONE LTD
			<a href="#">get it</a>	remarks - general: remarks - this release:	
<hr/>					
<b>TS 23.085</b>	<b>Closed User Group (CUG) Supplementary Service; Stage 2</b>	Rel-4 current version: 4.0.0 freeze_meeting: SP-11 history (event, available, version, NP-11 04/04/2001 4 . 0 . 0	WG (prime / other): N4 / - G: yes U: yes	rapporteur: WIEHE, Ulrich MCC: KYMALAINEN, Kimmo	Gesellschaft für Kommunikations Software
			<a href="#">get it</a>	remarks - general: remarks - this release:	
<hr/>					
<b>TS 23.086</b>	<b>Advice of Charge (AoC) Supplementary Service; Stage 2</b>	Rel-4 current version: 4.0.0 freeze_meeting: SP-11 history (event, available, version, NP-11 04/04/2001 4 . 0 . 0	WG (prime / other): N4 / - G: yes U: yes	rapporteur: WIEHE, Ulrich MCC: KYMALAINEN, Kimmo	Gesellschaft für Kommunikations Software
			<a href="#">get it</a>	remarks - general: remarks - this release:	
<hr/>					
<b>TS 23.087</b>	<b>User-to-User Signalling (UUS) supplementary service; Stage 2</b>	Rel-4 current version: 4.0.0 freeze_meeting: SP-11 history (event, available, version, NP-11 04/04/2001 4 . 0 . 0	WG (prime / other): N4 / - G: yes U: yes	rapporteur: WIEHE, Ulrich MCC: KYMALAINEN, Kimmo	Gesellschaft für Kommunikations Software
			<a href="#">get it</a>	remarks - general: remarks - this release:	
<hr/>					
<b>TS 23.088</b>	<b>Call Barring (CB) Supplementary Service; Stage 2</b>	Rel-4 current version: 4.0.0 freeze_meeting: SP-11 history (event, available, version, NP-11 04/04/2001 4 . 0 . 0	WG (prime / other): N4 / - G: yes U: yes	rapporteur: WIEHE, Ulrich MCC: KYMALAINEN, Kimmo	Gesellschaft für Kommunikations Software
			<a href="#">get it</a>	remarks - general: remarks - this release:	

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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,</i>					
	NP-11 04/04/2001 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,</i>					
	NP-11 30/03/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-17 17/09/2002 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,</i>					
	NP-11 04/04/2001 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,</i>					
	NP-11 04/04/2001 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,</i>					
	NP-11 04/04/2001 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>freeze_meeting:</i> SP-11								
	<i>history (event, available, version,</i>								
	NP-11 04/04/2001	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>freeze_meeting:</i> SP-11								
	<i>history (event, available, version,</i>								
	SP-11 11/04/2001	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>freeze_meeting:</i> SP-11								
	<i>history (event, available, version,</i>								
	SP-10 22/12/2000	4	.	0	.	0			
	SP-12 29/06/2001	4	.	1	.	0			
	SP-13 12/10/2001	4	.	2	.	0			
	SP-14 07/01/2002	4	.	3	.	0			
	SP-15 07/04/2002	4	.	4	.	0			
	SP-17 24/09/2002	4	.	5	.	0			
	SP-18 10/01/2003	4	.	6	.	0			
							<a href="#">get it</a>	<i>remarks - general:</i>	was 23.907
							<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>		
							<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>freeze_meeting:</i> SP-11								
	<i>history (event, available, version,</i>								
	NP-11 11/04/2001	4	.	0	.	0			NP-15 withdrawn
	post NP-16 28/06/2002	4	.	0	.	1			update history table
							<a href="#">get it</a>	<i>remarks - general:</i>	This is clause 7 from 04.08 ex R98.
							<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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**TS 23.110 UMTS Access Stratum Services and Functions**

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
SP-11 11/04/2001 4 . 0 . 0

*WG (prime / other):* S2 / - *rapporteur:* LOPEZ-TORRES, Oscar T-MOBILE DEUTSCHLAND  
*G: yes U: yes* *MCC:* YOON, Sang-Ui

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

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**TS 23.116 Super-Charger technical realization; Stage 2**

Rel-4 *current version:* 4.2.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
NP-11 04/04/2001 4 . 0 . 0  
NP-12 27/06/2001 4 . 1 . 0  
NP-14 10/01/2002 4 . 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](#)

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**TS 23.119 Gateway Location Register (GLR); Stage2**

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
NP-11 04/04/2001 4 . 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  
*remarks - this release:*

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**TS 23.122 Non-Access-Stratum functions related to Mobile Station (MS) in idle mode**

Rel-4 *current version:* 4.3.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
NP-11 11/04/2001 4 . 0 . 0  
NP-12 05/07/2001 4 . 1 . 0  
NP-17 17/09/2002 4 . 2 . 0  
NP-18 18/12/2002 4 . 3 . 0

*WG (prime / other):* N1 / - *rapporteur:* HIETALAHTI, Hannu NOKIA Corporation  
*G: U: yes* *MCC:* JORGENSEN, Per Johan

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

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**TS 23.127 Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2**

Rel-4 *current version:* 4.3.0 *WG (prime / other):* S2 / - *rapporteur:* GOURRAUD, ERICSSON RESEARCH CANADA  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* YOON, Sang-Ui  
*history (event, available, version,*  
SP-09 06/11/2000 4 . 0 . 0 [get it](#) *remarks - general:* Sept 00: "Open Service Architecture" removed from title.  
SP-11 06/04/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
SP-12 29/06/2001 4 . 2 . 0 [get it](#)  
SP-15 05/04/2002 4 . 3 . 0 [get it](#)

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**TS 23.135 Multicall supplementary service; Stage 2**

Rel-4 *current version:* 4.0.0 *WG (prime / other):* N4 / - *rapporteur:* MITAMURA, Kazuo NTT COMWARE Corporation  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version,*  
NP-09 25/10/2000 4 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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**TS 23.140 Multimedia Messaging Service (MMS); Functional description; Stage 2**

Rel-4 *current version:* 4.10.0 *WG (prime / other):* T2 / - *rapporteur:* LAUMEN, Josef SIEMENS AG  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* RODERMUND, Friedhelm  
*history (event, available, version,*  
TP-09 06/10/2000 4 . 0 . 0 [get it](#) *remarks - general:*  
TP-10 21/12/2000 4 . 1 . 0 [get it](#) *remarks - this release:*  
TP-11 29/03/2001 4 . 2 . 0 [get it](#)  
TP-12 03/07/2001 4 . 3 . 0 [get it](#)  
TP-13 05/10/2001 4 . 4 . 0 [get it](#)  
TP-14 11/01/2002 4 . 5 . 0 [get it](#)  
TP-15 21/03/2002 4 . 6 . 0 [get it](#)  
TP-16 25/06/2002 4 . 7 . 0 [get it](#)  
TP-17 23/09/2002 4 . 8 . 0 [get it](#)  
TP-19 31/03/2003 4 . 9 . 0 [get it](#)  
TP-20 24/06/2003 4 . 10 . 0 [get it](#)

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## TS 23.146 Technical realisation 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,*

NP-06	17/12/1999	1	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
NP-07	17/03/2000	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	25/05/2000	2	.	0	.	0	<a href="#">get it</a>
NP-08	23/06/2000	4	.	0	.	0	<a href="#">get it</a>
NP-09	12/10/2000	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:* 4.8.0 *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,*

draft	14/01/2000	1	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i> New after TSG#5
NP-07	21/11/2000	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	09/01/2001	4	.	0	.	0	<a href="#">get it</a>
NP-11	04/04/2001	4	.	1	.	0	<a href="#">get it</a>
NP-12	27/06/2001	4	.	2	.	0	<a href="#">get it</a>
NP-13	03/10/2001	4	.	3	.	0	<a href="#">get it</a>
NP-14	10/01/2002	4	.	4	.	0	<a href="#">get it</a>
NP-17	18/09/2002	4	.	5	.	0	<a href="#">get it</a>
NP-18	09/01/2003	4	.	6	.	0	<a href="#">get it</a>
NP-19	04/04/2003	4	.	7	.	0	<a href="#">get it</a>
NP-20	27/06/2003	4	.	8	.	0	<a href="#">get it</a>

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## TS 23.205 Bearer-independent circuit-switched core network; Stage 2

Rel-4 *current version:* 4.7.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
NP-10 12/01/2001 1 . 0 . 1 N4-001104  
NP-11 30/03/2001 4 . 0 . 0  
NP-12 06/07/2001 4 . 1 . 0  
NP-13 03/10/2001 4 . 2 . 0  
NP-14 10/01/2002 4 . 3 . 0  
NP-15 28/03/2002 4 . 4 . 0  
NP-16 21/06/2002 4 . 5 . 0  
NP-17 18/09/2002 4 . 6 . 0  
NP-20 27/06/2003 4 . 7 . 0

*WG (prime / other):* N4 / - *rapporteur:* HODGES, Phil Telefon AB LM Ericsson  
*G:* U: yes *MCC:* KYMALAINEN, Kimmo

[get it](#) *remarks - general:* 2000-10: Rap change from Keutmann.  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 23.221 Architectural requirements

Rel-4 *current version:* 4.2.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
draft 07/11/2000 0 . 0 . 5  
SP-10 31/01/2001 1 . 0 . 0 SP-000595  
draft 01/02/2001 1 . 1 . 0  
SP-11 06/04/2001 4 . 0 . 0  
SP-12 02/07/2001 4 . 1 . 0  
SP-16 18/06/2002 4 . 2 . 0

*WG (prime / other):* S2 / - *rapporteur:* DANIEL, Elizabeth Lucent Technologies Network Systems UK  
*G:* yes U: yes *MCC:* YOON, Sang-Ui

[get it](#) *remarks - general:* Derived from R99-specific 23.121  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)

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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  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
draft 06/09/2000 0 . 1 . 0  
TP-11 02/04/2001 4 . 0 . 0  
TP-14 11/01/2002 4 . 1 . 0  
TP-15 26/03/2002 4 . 2 . 0

*WG (prime / other):* T2 / - *rapporteur:* TOMÉ, Olga Telefon AB LM Ericsson  
*G:* U: yes *MCC:* RODERMUND, Friedhelm

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

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Server ACTIVE specs Rel-4 23 .- series  
[http://www.3gpp.org/ftp/Specs/archive/23\\_series](http://www.3gpp.org/ftp/Specs/archive/23_series)

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

Rel-4 *current version:* 4.9.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* S2 / - *rapporteur:* KÅLL, Jan NOKIA Corporation  
*G:* yes *U:* yes *MCC:* YOON, Sang-Ui

draft 10/07/2000 0 . 1 . 0  
draft 14/09/2000 0 . 2 . 0  
SP-09 09/11/2000 1 . 0 . 0  
draft 22/11/2000 1 . 1 . 0  
SP-10 2 . 0 . 0 SP-000596  
SP-10 27/02/2001 4 . 0 . 0  
SP-11 11/04/2001 4 . 1 . 0  
SP-12 02/07/2001 4 . 2 . 0  
SP-13 15/10/2001 4 . 3 . 0  
SP-14 07/01/2002 4 . 4 . 0  
SP-15 29/03/2002 4 . 5 . 0  
SP-16 18/06/2002 4 . 6 . 0  
SP-17 24/09/2002 4 . 7 . 0  
SP-18 09/01/2003 4 . 8 . 0  
SP-20 23/06/2003 4 . 9 . 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).  
[get it](#)  
[get it](#)  
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[get it](#)

## TR 23.873 Feasibility study fro transport and control separation in the PS CN domain

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* S2 / - *rapporteur:* IBANEZ, Juan-Antonio Telefon AB LM Ericsson  
*G:* yes *U:* yes *MCC:* YOON, Sang-Ui

draft 12/09/2000 0 . 2 . 0  
draft 08/11/2000 0 . 3 . 0  
draft 20/11/2000 0 . 4 . 0  
SP-10 31/01/2001 1 . 0 . 0  
draft 30/12/2000 1 . 1 . 0  
SP-11 11/04/2001 4 . 0 . 0

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

## TR 23.908 Technical report on Pre-Paging

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
NP-11 04/04/2001 4 . 0 . 0

*WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo

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

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[http://www.3gpp.org/ftp/Specs/archive/23\\_series](http://www.3gpp.org/ftp/Specs/archive/23_series)

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**TR 23.909 Technical report on the Gateway Location Register**

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* N4 / - *rapporteur:* PARK, Ian David VODAFONE LTD  
Chalmers  
*G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*  
NP-11 04/04/2001 4 . 0 . 0

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

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**TR 23.910 Circuit switched data bearer services**

Rel-4 *current version:* 4.7.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*G:* U: yes *MCC:* BOSWARTHICK, David

*history (event, available, version,*  
NP-09 18/10/2000 4 . 0 . 0  
edito 24/10/2000 4 . 0 . 1  
NP-10 22/12/2000 4 . 1 . 0  
NP-11 06/04/2001 4 . 2 . 0  
NP-12 28/06/2001 4 . 3 . 0  
NP-14 11/01/2002 4 . 4 . 0  
NP-17 17/09/2002 4 . 5 . 0  
NP-18 06/01/2003 4 . 6 . 0  
NP-19 27/03/2003 4 . 7 . 0

[get it](#) *remarks - general:* 03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)  
*remarks - this release:*

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**TR 23.911 Technical report on Out-of-band transcoder control**

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*  
NP-11 04/04/2001 4 . 0 . 0

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

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**TR 23.912 Technical report on Super-Charger**

Rel-4 *current version:* 4.1.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* N4 / - *rapporteur:* SHARP, Iain NORTEL NETWORKS (EUROPE)  
*G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*  
NP-11 04/04/2001 4 . 0 . 0  
NP-14 10/01/2002 4 . 1 . 0

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

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**TR 23.930 Iu Principles**  
Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
SP-11 11/04/2001 4 . 0 . 0

*WG (prime / other):* S2 / - *rapporteur:* AXERUD, Bo NOKIA TELECOMMUNICATIONS FINLAND  
*G:* U: yes *MCC:* YOON, Sang-Ui

[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  
*freeze\_meeting:* SP-11

*WG (prime / other):* N1 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*G:* yes *U:* yes *MCC:* JORGENSEN, Per Johan

*history (event, available, version,*  
NP-11 06/04/2001 4 . 0 . 0  
NP-19 24/03/2003 4 . 1 . 0  
correction of typo 02/06/2003 4 . 1 . 1  
on cover page

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

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**TS 24.007 Mobile radio interface signalling layer 3; General Aspects**  
Rel-4 *current version:* 4.2.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* N1 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*G:* yes *U:* yes *MCC:* JORGENSEN, Per Johan

*history (event, available, version,*  
NP-11 11/04/2001 4 . 0 . 0  
NP-14 04/01/2002 4 . 1 . 0  
NP-16 24/06/2002 4 . 2 . 0

[get it](#) *remarks - general:* Transfer>TSG#4,CR at TSG#5  
[get it](#) *remarks - this release:*  
[get it](#)

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<b>TS 24.008</b>	<b>Mobile radio interface Layer 3 specification; Core network protocols; Stage 3</b>						
Rel-4	<i>current version:</i> 4.11.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> HOWELL, Andrew	MOTOROLA Ltd			
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> JORGENSEN, Per Johan				
	<i>history (event, available, version,</i>						
	NP-09 12/10/2000	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	CR correction produced 3.0.1, CR at TSG#5. Outstanding issues not expected to		
	NP-10 03/01/2001	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	be resolved till Jun00.		
	edito 09/01/2001	4 . 1 . 1	<a href="#">get it</a>				
	NP-11 06/04/2001	4 . 2 . 0	<a href="#">get it</a>				
	edito 06/07/2001	4 . 2 . 1	<a href="#">get it</a>		replaces missing section of table		
	NP-12 13/07/2001	4 . 3 . 0	<a href="#">get it</a>				
	NP-13 04/10/2001	4 . 4 . 0	<a href="#">get it</a>				
	NP-14 09/01/2002	4 . 5 . 0	<a href="#">get it</a>				
	NP-15 21/03/2002	4 . 6 . 0	<a href="#">get it</a>				
	NP-16 24/06/2002	4 . 7 . 0	<a href="#">get it</a>				
	NP-17 17/09/2002	4 . 8 . 0	<a href="#">get it</a>				
	NP-18 18/12/2002	4 . 9 . 0	<a href="#">get it</a>				
	NP-19 24/03/2003	4 . 10 . 0	<a href="#">get it</a>				
	NP-20 27/06/2003	4 . 11 . 0	<a href="#">get it</a>				

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<b>TS 24.010</b>	<b>Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects</b>						
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S			
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	Peter Skov				
	<i>history (event, available, version,</i>		<i>MCC:</i> KYMALAINEN, Kimmo				
	NP-11 30/03/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-13 03/10/2001	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	NP-14 10/01/2002	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	MOTOROLA A/S			
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	Peter Skov				
	<i>history (event, available, version,</i>		<i>MCC:</i> JORGENSEN, Per Johan				
	NP-11 06/04/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4		
	NP-15 19/03/2002	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	fix headers, 28/06/2002	4 . 1 . 1	<a href="#">get it</a>				
	restore missing figure						

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<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	<i>MCC:</i> BOSWARTHICK, David						
	<i>history (event, available, version,</i>								
	NP-11 06/04/2001 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 23/06/2003 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)					
<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	<i>MCC:</i> KYMALAINEN, Kimmo						
	<i>history (event, available, version,</i>								
	NP-11 30/03/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	TSG#7: txfrd from SMG to 3GPP for R99.					
	NP-12 27/06/2001 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>						
	NP-14 10/01/2002 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	<i>MCC:</i> KYMALAINEN, Kimmo						
	<i>history (event, available, version,</i>								
	NP-11 04/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>						
	NP-12 27/06/2001 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>						
<hr/>									
<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,</i>								
	NP-11 04/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>						
	corrects 24/06/2002 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> 4.3.0	<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,</i>					
	NP-11 04/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-12 04/07/2001 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	NP-14 10/01/2002 4 . 2 . 0	<a href="#">get it</a>				
	NP-16 21/06/2002 4 . 3 . 0	<a href="#">get it</a>				
<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,</i>					
	NP-11 04/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	corrects 24/06/2002 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
<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,</i>					
	NP-11 04/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	correct references 25/06/2002 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
<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,</i>					
	NP-11 04/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	correct references 25/06/2002 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
<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,</i>					
	NP-11 04/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	correct references 25/06/2002 4 . 0 . 1	<a href="#">get it</a>	<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-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,</i>					
	NP-11 04/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	correct references 25/06/2002 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,</i>					
	NP-11 04/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	correct references 25/06/2002 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,</i>					
	NP-11 04/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	correct references 25/06/2002 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,</i>					
	NP-11 04/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	correct references 25/06/2002 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	correct history 23/07/2002 4 . 0 . 2	<a href="#">get it</a>				
<hr/>						
<b>TS 24.090</b>	<b>Unstructured Supplementary Service Data (USSD); Stage 3</b>					
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> BRUSS, Jörg	ERICSSON Eurolab Deutschland GmbH		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version,</i>					
	NP-11 04/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	correct references 25/06/2002 4 . 0 . 1	<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

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Server ACTIVE specs Rel-4 24 .- series  
[http://www.3gpp.org/ftp/Specs/archive/24\\_series](http://www.3gpp.org/ftp/Specs/archive/24_series)

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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,*  
NP-11 04/04/2001 4 . 0 . 0  
correct references 25/06/2002 4 . 0 . 1

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

Gesellschaft für Kommunikations Software

[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,*  
NP-11 04/04/2001 4 . 0 . 0  
correct references 25/06/2002 4 . 0 . 1

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

Gesellschaft für Kommunikations Software

[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,*  
NP-11 04/04/2001 4 . 0 . 0  
correct references 25/06/2002 4 . 0 . 1

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

Gesellschaft für Kommunikations Software

[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,*  
NP-11 04/04/2001 4 . 0 . 0  
NP-14 10/01/2002 4 . 1 . 0  
correct references 25/06/2002 4 . 1 . 1

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

NTT COMWARE Corporation

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

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

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Server ACTIVE specs Rel-4 25 .- series  
[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:* 4.8.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

RP-11	10/04/2001	4	.	0	.	0
RP-12	29/06/2001	4	.	1	.	0
RP-13	03/10/2001	4	.	2	.	0
RP-14	14/01/2002	4	.	3	.	0
RP-15	29/03/2002	4	.	4	.	0
RP-16	01/07/2002	4	.	5	.	0
RP-18	10/01/2003	4	.	6	.	0
RP-19	04/04/2003	4	.	7	.	0
RP-20	27/06/2003	4	.	8	.	0

*WG (prime / other):* R4 / - *rapporteur:* FERNANDES, Edgar MOTOROLA Ltd  
*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 25.102 User Equipment (UE) radio transmission and reception (TDD)

Rel-4 *current version:* 4.7.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

RP-11	10/04/2001	4	.	0	.	0
RP-12	29/06/2001	4	.	1	.	0
RP-13	10/10/2001	4	.	2	.	0
RP-14	14/01/2002	4	.	3	.	0
RP-15	29/03/2002	4	.	4	.	0
RP-16	01/07/2002	4	.	5	.	0
RP-17	02/10/2002	4	.	6	.	0
RP-18	10/01/2003	4	.	7	.	0

*WG (prime / other):* R4 / - *rapporteur:* KOTTKAMP, Meik 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

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Server ACTIVE specs Rel-4 25 .- series  
[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  
*history (event, available, version,*

RP-11	10/04/2001	4	.	0	.	0
RP-12	29/06/2001	4	.	1	.	0
RP-13	03/10/2001	4	.	2	.	0
RP-14	14/01/2002	4	.	3	.	0
RP-15	29/03/2002	4	.	4	.	0
RP-16	01/07/2002	4	.	5	.	0
RP-18	10/01/2003	4	.	6	.	0
RP-19	04/04/2003	4	.	7	.	0

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

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
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## TS 25.105 UTRA (BS) TDD: Radio transmission and reception

Rel-4 *current version:* 4.7.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

RP-11	10/04/2001	4	.	0	.	0
RP-12	29/06/2001	4	.	1	.	0
RP-13	10/10/2001	4	.	2	.	0
RP-14	16/01/2002	4	.	3	.	0
RP-15	29/03/2002	4	.	4	.	0
RP-16	01/07/2002	4	.	5	.	0
RP-18	10/01/2003	4	.	6	.	0
RP-19	04/04/2003	4	.	7	.	0

*WG (prime / other):* R4 / - *rapporteur:* KOTTKAMP, Meik 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

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Server ACTIVE specs Rel-4 25 .- series  
[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:* 4.6.0  
*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,*

Start of work	01/08/2000	0	.	0	.	1	
RP-09	13/10/2000	1	.	0	.	0	
RP-10	21/12/2000	1	.	1	.	0	RP-000596
RP-11	10/04/2001	4	.	0	.	0	
RP-13	10/10/2001	4	.	1	.	0	
RP-16	01/07/2002	4	.	2	.	0	
RP-17	02/10/2002	4	.	3	.	0	
RP-18	10/01/2003	4	.	4	.	0	
RP-19	04/04/2003	4	.	5	.	0	
RP-20	27/06/2003	4	.	6	.	0	

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

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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,*

RP-11	10/04/2001	4	.	0	.	0	
RP-12	29/06/2001	4	.	1	.	0	
RP-13	10/10/2001	4	.	2	.	0	
RP-17	02/10/2002	4	.	3	.	0	
RP-18	10/01/2003	4	.	4	.	0	

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

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



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Server ACTIVE specs Rel-4 25 .- series  
[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:* 4.9.0 *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,*

RP-11	10/04/2001	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
RP-12	29/06/2001	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
RP-13	10/10/2001	4	.	2	.	0	<a href="#">get it</a>	
RP-14	16/01/2002	4	.	3	.	0	<a href="#">get it</a>	
RP-15	29/03/2002	4	.	4	.	0	<a href="#">get it</a>	
RP-16	03/07/2002	4	.	5	.	0	<a href="#">get it</a>	
RP-17	10/10/2002	4	.	6	.	0	<a href="#">get it</a>	
RP-18	10/01/2003	4	.	7	.	0	<a href="#">get it</a>	
RP-19	04/04/2003	4	.	8	.	0	<a href="#">get it</a>	
RP-20	01/07/2003	4	.	9	.	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:* 4.9.0 *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,*

RP-11	10/04/2001	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
RP-12	29/06/2001	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
RP-13	10/10/2001	4	.	2	.	0	<a href="#">get it</a>	
RP-14	17/01/2002	4	.	3	.	0	<a href="#">get it</a>	
RP-15	29/03/2002	4	.	4	.	0	<a href="#">get it</a>	
RP-16	04/07/2002	4	.	5	.	0	<a href="#">get it</a>	
RP-17	04/10/2002	4	.	6	.	0	<a href="#">get it</a>	
RP-18	10/01/2003	4	.	7	.	0	<a href="#">get it</a>	
RP-19	04/04/2003	4	.	8	.	0	<a href="#">get it</a>	
RP-20	01/07/2003	4	.	9	.	0	<a href="#">get it</a>	

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

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Server ACTIVE specs Rel-4 25 .- series  
[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,

RP-11	10/04/2001	4	.	0	.	0
RP-12	29/06/2001	4	.	1	.	0
RP-13	03/10/2001	4	.	2	.	0
RP-14	16/01/2002	4	.	3	.	0
RP-15	02/04/2002	4	.	4	.	0
RP-16	04/07/2002	4	.	5	.	0
RP-17	04/10/2002	4	.	6	.	0
RP-18	10/01/2003	4	.	7	.	0
RP-19	04/04/2003	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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## TS 25.142 Base Station (BS) conformance testing (TDD)

Rel-4 current version: 4.8.0

freeze\_meeting: SP-11

history (event, available, version,

RP-11	10/04/2001	4	.	0	.	0
RP-12	29/06/2001	4	.	1	.	0
RP-13	10/10/2001	4	.	2	.	0
RP-14	16/01/2002	4	.	3	.	0
RP-15	29/03/2002	4	.	4	.	0
RP-16	04/07/2002	4	.	5	.	0
RP-17	04/10/2002	4	.	6	.	0
RP-18	10/01/2003	4	.	7	.	0
RP-19	04/04/2003	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

# 3GPP specification status

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Server ACTIVE specs Rel-4 25 .- series  
[http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

## TS 25.143 UTRA repeater conformance testing

Rel-4 *current version:* 4.8.0  
*freeze\_meeting:* RP-11

*WG (prime / other):* R4 / - *rapporteur:* KUMMETZ, Thomas MIKOM GmbH - Mikrotechnik zur Kommunikation  
*G:* U: yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version,*

Start of work	01/08/2000	0	.	0	.	0
RP-09	12/10/2000	0	.	0	.	2
RP-10	21/12/2000	1	.	0	.	0
RP-11	10/04/2001	4	.	0	.	0
RP-12	29/06/2001	4	.	1	.	0
RP-13	10/10/2001	4	.	2	.	0
RP-15	19/03/2002	4	.	3	.	0
RP-16	03/07/2002	4	.	4	.	0
RP-17	02/10/2002	4	.	5	.	0
RP-18	10/01/2003	4	.	6	.	0
RP-19	04/04/2003	4	.	7	.	0
RP-20	27/06/2003	4	.	8	.	0

RP-000671

[get it](#) *remarks - general:* Created by renumbering 25.107  
[get it](#) *remarks - this release:* Was to have been 25.107. But never was.  
[get it](#)  
[get it](#)  
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## TS 25.201 Physical layer - general description

Rel-4 *current version:* 4.3.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* R1 / - *rapporteur:* TOSKALA, Antti NOKIA Corporation  
*G:* U: yes *MCC:* SASAKI, Tsukasa

*history (event, available, version,*

RP-11	05/04/2001	4	.	0	.	0
RP-14	09/01/2002	4	.	1	.	0
RP-15	29/03/2002	4	.	2	.	0
RP-16	28/06/2002	4	.	3	.	0

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

## TS 25.211 Physical channels and mapping of transport channels onto physical channels (FDD)

Rel-4 *current version:* 4.6.0  
*freeze\_meeting:* SP-11

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

*history (event, available, version,*

RP-11	05/04/2001	4	.	0	.	0
RP-12	28/06/2001	4	.	1	.	0
RP-13	08/10/2001	4	.	2	.	0
RP-14	09/01/2002	4	.	3	.	0
RP-15	29/03/2002	4	.	4	.	0
RP-16	28/06/2002	4	.	5	.	0
RP-17	27/09/2002	4	.	6	.	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

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[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,*

RP-11	05/04/2001	4	.	0	.	0
RP-12	28/06/2001	4	.	1	.	0
RP-13	08/10/2001	4	.	2	.	0
RP-14	09/01/2002	4	.	3	.	0
RP-15	29/03/2002	4	.	4	.	0
RP-16	28/06/2002	4	.	5	.	0
RP-17	27/09/2002	4	.	6	.	0

*WG (prime / other):* R1 / - *rapporteur:* TANAKA, Yoshinori Fujitsu Limited  
*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:* 4.3.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

RP-11	05/04/2001	4	.	0	.	0
RP-12	28/06/2001	4	.	1	.	0
RP-14	09/01/2002	4	.	2	.	0
RP-16	28/06/2002	4	.	3	.	0

*WG (prime / other):* R1 / - *rapporteur:* CHAMBERS, Peter SIEMENS AG  
*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,*

RP-11	05/04/2001	4	.	0	.	0
RP-12	28/06/2001	4	.	1	.	0
RP-13	08/10/2001	4	.	2	.	0
RP-14	09/01/2002	4	.	3	.	0
RP-15	29/03/2002	4	.	4	.	0
RP-17	27/09/2002	4	.	5	.	0
RP-19	04/04/2003	4	.	6	.	0

*WG (prime / other):* R1 / - *rapporteur:* IKEDA, Shinobu NEC Corporation  
*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

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Server ACTIVE specs Rel-4 25 .- series  
[http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

## TS 25.215 Physical layer; Measurements (FDD)

Rel-4 *current version:* 4.7.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* R1 / - *rapporteur:* IKEDA, Shinobu NEC Corporation  
*G:* *U:* yes *MCC:* SASAKI, Tsukasa

RP-11 05/04/2001 4 . 0 . 0  
RP-12 28/06/2001 4 . 1 . 0  
RP-13 08/10/2001 4 . 2 . 0  
RP-14 09/01/2002 4 . 3 . 0  
RP-15 29/03/2002 4 . 4 . 0  
RP-17 27/09/2002 4 . 5 . 0  
RP-18 07/01/2003 4 . 6 . 0  
RP-20 27/06/2003 4 . 7 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
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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  
*history (event, available, version,*

*WG (prime / other):* R1 / - *rapporteur:* HIRAMATSU, Katsuhiko Panasonic Mobile Communications Co.,Ltd.  
*G:* *U:* yes *MCC:* SASAKI, Tsukasa

RP-11 05/04/2001 4 . 0 . 0  
RP-12 28/06/2001 4 . 1 . 0  
RP-13 08/10/2001 4 . 2 . 0  
RP-14 09/01/2002 4 . 3 . 0  
RP-15 29/03/2002 4 . 4 . 0  
RP-16 28/06/2002 4 . 5 . 0  
RP-17 27/09/2002 4 . 6 . 0  
RP-18 07/01/2003 4 . 7 . 0

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

## TS 25.222 Multiplexing and channel coding (TDD)

Rel-4 *current version:* 4.6.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* R1 / - *rapporteur:* KAHTAVA, Jussi Nokia Japan Co, Ltd  
*G:* *U:* yes *MCC:* SASAKI, Tsukasa

RP-11 05/04/2001 4 . 0 . 0  
RP-13 08/10/2001 4 . 1 . 0  
RP-14 09/01/2002 4 . 2 . 0  
RP-15 29/03/2002 4 . 3 . 0  
RP-16 28/06/2002 4 . 4 . 0  
RP-17 27/09/2002 4 . 5 . 0  
RP-18 07/01/2003 4 . 6 . 0

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

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

# 3GPP specification status

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Server ACTIVE specs Rel-4 25 .- series  
[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)

Rel-4 *current version:* 4.5.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
RP-11 05/04/2001 4 . 0 . 0  
RP-12 28/06/2001 4 . 1 . 0  
RP-13 08/10/2001 4 . 2 . 0  
RP-14 09/01/2002 4 . 3 . 0  
RP-15 29/03/2002 4 . 4 . 0  
RP-18 07/01/2003 4 . 5 . 0

*WG (prime / other):* R1 / - *rapporteur:* VACANT,  
*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 25.224 Physical layer procedures (TDD)

Rel-4 *current version:* 4.8.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
RP-11 05/04/2001 4 . 0 . 0  
RP-12 28/06/2001 4 . 1 . 0  
RP-13 08/10/2001 4 . 2 . 0  
RP-14 09/01/2002 4 . 3 . 0  
RP-15 29/03/2002 4 . 4 . 0  
RP-16 28/06/2002 4 . 5 . 0  
RP-17 27/09/2002 4 . 6 . 0  
RP-18 07/01/2003 4 . 7 . 0  
RP-19 04/04/2003 4 . 8 . 0

*WG (prime / other):* R1 / - *rapporteur:* OESTREICH, Stefan 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](#)  
[get it](#)  
[get it](#)

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## TS 25.225 Physical layer; Measurements (TDD)

Rel-4 *current version:* 4.7.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
RP-11 05/04/2001 4 . 0 . 0  
RP-12 28/06/2001 4 . 1 . 0  
RP-13 08/10/2001 4 . 2 . 0  
RP-14 09/01/2002 4 . 3 . 0  
RP-16 28/06/2002 4 . 4 . 0  
RP-17 27/09/2002 4 . 5 . 0  
RP-18 07/01/2003 4 . 6 . 0  
RP-20 27/06/2003 4 . 7 . 0

*WG (prime / other):* R1 / - *rapporteur:* IKEDA, Shinobu NEC Corporation  
*G:* *U:* yes *MCC:* SASAKI, Tsukasa

[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

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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,*

RP-11	27/03/2001	4	.	0	.	0
RP-12	19/06/2001	4	.	1	.	0
RP-14	04/01/2002	4	.	2	.	0
RP-16	17/06/2002	4	.	3	.	0
RP-17	18/09/2002	4	.	4	.	0

*WG (prime / other):* R2 / - *rapporteur:* GRANZOW, Wolfgang  
*G:* U: yes *MCC:* ARZELIER, Claude ERICSSON Eurolab Deutschland GmbH

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

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## TS 25.302 Services provided by the physical layer

Rel-4 *current version:* 4.7.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

RP-11	27/03/2001	4	.	0	.	0
RP-12	19/06/2001	4	.	1	.	0
RP-13	02/10/2001	4	.	2	.	0
RP-14	04/01/2002	4	.	3	.	0
RP-15	19/03/2002	4	.	4	.	0
RP-16	17/06/2002	4	.	5	.	0
RP-17	18/09/2002	4	.	6	.	0
RP-18	20/12/2002	4	.	7	.	0

*WG (prime / other):* R2 / - *rapporteur:* MIHAILESCU, Claudiu  
*G:* U: yes *MCC:* ARZELIER, Claude NORTEL NETWORKS (EUROPE)

[get it](#) *remarks - general:* V3.0.0 approved via e-mail July 99 CR at TSG#5?  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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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,*

RP-11	27/03/2001	4	.	0	.	0
RP-12	19/06/2001	4	.	1	.	0
RP-13	02/10/2001	4	.	2	.	0
RP-14	04/01/2002	4	.	3	.	0
RP-15	19/03/2002	4	.	4	.	0
RP-16	17/06/2002	4	.	5	.	0

*WG (prime / other):* R2 / - *rapporteur:* RINNE, Mikko J  
*G:* U: yes *MCC:* ARZELIER, Claude Nokia Research Center

[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

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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:* 4.7.0 *WG (prime / other):* R2 / - *rapporteur:* MAHKONEN, Marko NOKIA Corporation  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* ARZELIER, Claude

*history (event, available, version,*

RP-11	27/03/2001	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
RP-12	27/06/2001	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
RP-13	02/10/2001	4	.	2	.	0	<a href="#">get it</a>	
RP-14	04/01/2002	4	.	3	.	0	<a href="#">get it</a>	
RP-15	19/03/2002	4	.	4	.	0	<a href="#">get it</a>	
RP-16	17/06/2002	4	.	5	.	0	<a href="#">get it</a>	
RP-18	08/01/2003	4	.	6	.	0	<a href="#">get it</a>	
RP-20	25/06/2003	4	.	7	.	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:* 4.5.0 *WG (prime / other):* R2 / - *rapporteur:* MIHAILESCU, Claudiu NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* RP-11 *G:* U: yes *MCC:* ARZELIER, Claude

*history (event, available, version,*

RP-11	27/03/2001	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i> Created from 25.923
RP-12	19/06/2001	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
RP-14	04/01/2002	4	.	2	.	0	<a href="#">get it</a>	
RP-15	19/03/2002	4	.	3	.	0	<a href="#">get it</a>	
RP-19	25/03/2003	4	.	4	.	0	<a href="#">get it</a>	
RP-20	20/06/2003	4	.	5	.	0	<a href="#">get it</a>	

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## TS 25.306 UE Radio Access capabilities definition

Rel-4 *current version:* 4.7.0 *WG (prime / other):* R2 / - *rapporteur:* BERGGREN, Anders Ericsson Incorporated  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* ARZELIER, Claude

*history (event, available, version,*

RP-11	27/03/2001	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i> Converted from TR 25.926 at TSG#10.
RP-12	19/06/2001	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
RP-13	02/10/2001	4	.	2	.	0	<a href="#">get it</a>	
RP-14	04/01/2002	4	.	3	.	0	<a href="#">get it</a>	
RP-15	19/03/2002	4	.	4	.	0	<a href="#">get it</a>	
RP-16	17/06/2002	4	.	5	.	0	<a href="#">get it</a>	
RP-18	08/01/2003	4	.	6	.	0	<a href="#">get it</a>	
RP-20	20/06/2003	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



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

Rel-4 *current version:* 4.1.0 *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,*  
RP-13 02/10/2001 4 . 0 . 0 [get it](#) *remarks - general:* Release independent! - sort of. RP-13: responsibility: R2 = signalling  
RP-14 04/01/2002 4 . 1 . 0 [get it](#) *remarks - this release:* Expect continual updates each time a new band is allowed. requirements, R4 = RF &  
RMM requirements.

---

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

Rel-4 *current version:* 4.8.0 *WG (prime / other):* R2 / - *rapporteur:* STADLER, Thomas SIEMENS AG  
*freeze\_meeting:* RP-11 *G:* *U:* yes *MCC:* ARZELIER, Claude  
*history (event, available, version,*  
RP-11 27/03/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
RP-12 19/06/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
RP-13 02/10/2001 4 . 2 . 0 [get it](#)  
RP-14 04/01/2002 4 . 3 . 0 [get it](#)  
RP-15 19/03/2002 4 . 4 . 0 [get it](#)  
RP-16 17/06/2002 4 . 5 . 0 [get it](#)  
RP-17 18/09/2002 4 . 6 . 0 [get it](#)  
RP-18 08/01/2003 4 . 7 . 0 [get it](#)  
RP-19 25/03/2003 4 . 8 . 0 [get it](#)

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

Rel-4 *current version:* 4.9.0 *WG (prime / other):* R2 / - *rapporteur:* MADELAINE, Sebastien PHILIPS CONSUMER COMMUNICATION  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* ARZELIER, Claude  
*history (event, available, version,*  
RP-11 27/03/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
RP-12 19/06/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
RP-13 03/10/2001 4 . 2 . 0 [get it](#)  
RP-14 04/01/2002 4 . 3 . 0 [get it](#)  
RP-15 19/03/2002 4 . 4 . 0 [get it](#)  
RP-16 17/06/2002 4 . 5 . 0 [get it](#)  
RP-17 19/09/2002 4 . 6 . 0 [get it](#)  
RP-18 10/01/2003 4 . 7 . 0 [get it](#)  
RP-19 25/03/2003 4 . 8 . 0 [get it](#)  
RP-20 20/06/2003 4 . 9 . 0 [get it](#)

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

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Server ACTIVE specs Rel-4 25 .- series  
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## TS 25.323 Packet Data Convergence Protocol (PDCP) specification

Rel-4 *current version:* 4.6.0

*freeze\_meeting:* SP-11

*history (event, available, version,*

RP-11 27/03/2001 4 . 0 . 0

RP-12 19/06/2001 4 . 1 . 0

RP-13 02/10/2001 4 . 2 . 0

RP-14 04/01/2002 4 . 3 . 0

RP-15 19/03/2002 4 . 4 . 0

RP-16 17/06/2002 4 . 5 . 0

RP-17 18/09/2002 4 . 6 . 0

*WG (prime / other):* R2 / - *rapporteur:* HANS, Martin SIEMENS AG

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

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

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

[get it](#)

[get it](#)

[get it](#)

[get it](#)

[get it](#)

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## TS 25.324 Broadcast/Multicast Control (BMC)

Rel-4 *current version:* 4.3.0

*freeze\_meeting:* SP-11

*history (event, available, version,*

RP-11 27/03/2001 4 . 0 . 0

RP-16 17/06/2002 4 . 1 . 0

RP-18 13/01/2003 4 . 2 . 0

RP-19 25/03/2003 4 . 3 . 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:*

[get it](#)

[get it](#)

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

# 3GPP specification status

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Server ACTIVE specs Rel-4 25 .- series  
[http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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

Rel-4 *current version:* 4.10.0

*freeze\_meeting:* SP-11

*history (event, available, version,*

RP-11 06/04/2001 4 . 0 . 0

RP-12 27/06/2001 4 . 1 . 0

RP-13 08/10/2001 4 . 2 . 0

replace ASN.1 16/10/2001 4 . 2 . 1

RP-14 18/01/2002 4 . 3 . 0

RP-15 25/03/2002 4 . 4 . 0

RP-16 20/06/2002 4 . 5 . 0

RP-17 20/09/2002 4 . 6 . 0

Do not use this version: contains wrong ASN.1

Misimplemented 23/09/2002 4 . 7 . 0

RP-17 CR

RP-18 03/02/2003 4 . 8 . 0

RP-19 27/03/2003 4 . 9 . 0

RP-20 25/06/2003 4 . 10 . 0

*WG (prime / other):* R2 / - *rapporteur:* KUCHIBHOTLA, Ravi MOTOROLA Ltd  
*G:* *U:* yes *MCC:* ARZELIER, Claude

[get it](#)

*remarks - general:*

*remarks - this release:*

[get it](#)

[get it](#)

[get it](#)

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[get it](#)

[get it](#)

[get it](#)

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[get it](#)

[get it](#)

## TS 25.401 UTRAN overall description

Rel-4 *current version:* 4.6.0

*freeze\_meeting:* SP-11

*history (event, available, version,*

RP-11 06/04/2001 4 . 0 . 0

RP-12 06/07/2001 4 . 1 . 0

RP-13 12/10/2001 4 . 2 . 0

RP-15 02/04/2002 4 . 3 . 0

RP-16 28/06/2002 4 . 4 . 0

RP-17 30/09/2002 4 . 5 . 0

RP-18 03/01/2003 4 . 6 . 0

*WG (prime / other):* R3 / - *rapporteur:* CALMEL, Jean-Marie NORTEL NETWORKS (EUROPE)  
*G:* *U:* yes *MCC:* KRAUSE, Joern

[get it](#)

*remarks - general:* Approval at TSG#5

*remarks - this release:*

[get it](#)

[get it](#)

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[get it](#)

[get it](#)

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

# 3GPP specification status

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<b>TS 25.402</b>	<b>Synchronisation in UTRAN Stage 2</b>				
Rel-4	<i>current version:</i> 4.6.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> PIOLINI, Flavio	Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i> SP-11	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> KRAUSE, Joern	
	<i>history (event, available, version,</i>				
	RP-11 06/04/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> New	
	RP-12 06/07/2001	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	RP-13 12/10/2001	4 . 2 . 0	<a href="#">get it</a>		
	RP-14 11/01/2002	4 . 3 . 0	<a href="#">get it</a>		
	RP-15 02/04/2002	4 . 4 . 0	<a href="#">get it</a>		
	RP-16 28/06/2002	4 . 5 . 0	<a href="#">get it</a>		
	RP-18 03/01/2003	4 . 6 . 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-4	<i>current version:</i> 4.5.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> TOWNEND, Richard	mmO2 plc	
	<i>freeze_meeting:</i> SP-11	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> KRAUSE, Joern	
	<i>history (event, available, version,</i>				
	RP-11 06/04/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Approval at TSG#5	
	RP-12 06/07/2001	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	RP-13 12/10/2001	4 . 2 . 0	<a href="#">get it</a>		
	RP-14 11/01/2002	4 . 3 . 0	<a href="#">get it</a>		
	RP-16 28/06/2002	4 . 4 . 0	<a href="#">get it</a>		
	RP-17 30/09/2002	4 . 5 . 0	<a href="#">get it</a>		

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<b>TS 25.411</b>	<b>UTRAN Iu interface layer 1</b>				
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> BRANDT, Achim V.	SIEMENS AG	
	<i>freeze_meeting:</i> SP-11	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> KRAUSE, Joern	
	<i>history (event, available, version,</i>				
	RP-11 06/04/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	RP-12 06/07/2001	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	

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<b>TS 25.412</b>	<b>UTRAN Iu interface signalling transport</b>				
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> THAKARE, Kiran	RadioScape Limited	
	<i>freeze_meeting:</i> SP-11	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> KRAUSE, Joern	
	<i>history (event, available, version,</i>				
	RP-11 06/04/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	RP-17 30/09/2002	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

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## TS 25.413 UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling

Rel-4 *current version:* 4.9.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* R3 / - *rapporteur:* JUSSILA, Jyrki  
*G:* U: yes *MCC:* KRAUSE, Joern

NOKIA Corporation

*history (event, available, version,*

RP-11	06/04/2001	4	.	0	.	0
RP-12	06/07/2001	4	.	1	.	0
RP-13	12/10/2001	4	.	2	.	0
RP-14	14/01/2002	4	.	3	.	0
RP-15	02/04/2002	4	.	4	.	0
RP-16	05/07/2002	4	.	5	.	0
RP-17	03/10/2002	4	.	6	.	0
RP-18	03/01/2003	4	.	7	.	0
RP-19	26/03/2003	4	.	8	.	0
RP-20	17/06/2003	4	.	9	.	0

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

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## TS 25.414 UTRAN Iu interface data transport & transport signalling

Rel-4 *current version:* 4.6.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* R3 / - *rapporteur:* COMSTOCK, David  
*G:* U: yes *MCC:* KRAUSE, Joern

Telefon AB LM Ericsson

*history (event, available, version,*

RP-11	06/04/2001	4	.	0	.	0
RP-13	12/10/2001	4	.	1	.	0
RP-14	14/01/2002	4	.	2	.	0
RP-15	02/04/2002	4	.	3	.	0
RP-16	28/06/2002	4	.	4	.	0
RP-18	03/01/2003	4	.	5	.	0
RP-19	26/03/2003	4	.	6	.	0

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

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Server ACTIVE specs Rel-4 25 .- series  
[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  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* R3 / - *rapporteur:* MAUPIN, Alain  
*G:* *U:* yes *MCC:* KRAUSE, Joern

Telefon AB LM Ericsson

RP-11 06/04/2001 4 . 0 . 0  
RP-12 06/07/2001 4 . 1 . 0  
RP-13 12/10/2001 4 . 2 . 0  
RP-14 14/01/2002 4 . 3 . 0  
RP-15 25/03/2002 4 . 4 . 0  
RP-16 28/06/2002 4 . 5 . 0  
RP-17 30/09/2002 4 . 6 . 0  
RP-18 03/01/2003 4 . 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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## TS 25.419 UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)

Rel-4 *current version:* 4.8.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* R3 / - *rapporteur:* TAYLOR, Carolyn  
*G:* *U:* yes *MCC:* KRAUSE, Joern

MOTOROLA Ltd

RP-11 06/04/2001 4 . 0 . 0  
RP-12 06/07/2001 4 . 1 . 0  
RP-13 12/10/2001 4 . 2 . 0  
RP-14 11/01/2002 4 . 3 . 0  
RP-15 25/03/2002 4 . 4 . 0  
RP-16 28/06/2002 4 . 5 . 0  
correct vers no. 06/08/2002 4 . 5 . 1  
shown on doc  
RP-17 03/10/2002 4 . 6 . 0  
RP-19 26/03/2003 4 . 7 . 0  
RP-20 17/06/2003 4 . 8 . 0

[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 25.420 UTRAN Iur Interface: General Aspects and Principles

Rel-4 *current version:* 4.2.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* R3 / - *rapporteur:* THAKARE, Kiran  
*G:* *U:* yes *MCC:* KRAUSE, Joern

RadioScape Limited

RP-11 06/04/2001 4 . 0 . 0  
RP-14 11/01/2002 4 . 1 . 0  
RP-15 02/04/2002 4 . 2 . 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

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Server ACTIVE specs Rel-4 25 .- series  
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**TS 25.421 UTRAN Iur interface Layer 1**

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
RP-11 06/04/2001 4 . 0 . 0

*WG (prime / other):* R3 / - *rapporteur:* BRANDT, Achim V. SIEMENS AG  
*G:* *U:* yes *MCC:* KRAUSE, Joern

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

---

**TS 25.422 UTRAN Iur interface signalling transport**

Rel-4 *current version:* 4.2.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
RP-11 06/04/2001 4 . 0 . 0  
RP-14 11/01/2002 4 . 1 . 0  
edito post RP-14 02/04/2002 4 . 1 . 1  
RP-17 03/10/2002 4 . 2 . 0

*WG (prime / other):* R3 / - *rapporteur:* THAKARE, Kiran RadioScape Limited  
*G:* *U:* yes *MCC:* KRAUSE, Joern

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

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**TS 25.423 UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling**

Rel-4 *current version:* 4.9.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
RP-11 06/04/2001 4 . 0 . 0  
RP-12 06/07/2001 4 . 1 . 0  
RP-13 12/10/2001 4 . 2 . 0  
RP-14 11/01/2002 4 . 3 . 0  
RP-15 02/04/2002 4 . 4 . 0  
RP-16 05/07/2002 4 . 5 . 0  
RP-17 11/10/2002 4 . 6 . 0  
RP-18 03/01/2003 4 . 7 . 0  
RP-19 31/03/2003 4 . 8 . 0  
RP-20 17/06/2003 4 . 9 . 0

*WG (prime / other):* R3 / - *rapporteur:* RUNE, Göran Ericsson AB  
*G:* *U:* yes *MCC:* KRAUSE, Joern

[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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G = required in systems with GERAN acces; U = required in systems with UMTS

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<b>TS 25.424</b>	<b>UTRAN Iur interface data transport &amp; transport signalling for CCH data streams</b>						
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> DREVON, Nicolas	ALCATEL S.A.			
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern				
	<i>history (event, available, version,</i>						
	RP-11 06/04/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	RP-14 11/01/2002	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	RP-15 02/04/2002	4 . 2 . 0	<a href="#">get it</a>				
	RP-16 28/06/2002	4 . 3 . 0	<a href="#">get it</a>				

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<b>TS 25.425</b>	<b>UTRAN Iur interface user plane protocols for CCH data streams</b>						
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> DREVON, Nicolas	ALCATEL S.A.			
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern				
	<i>history (event, available, version,</i>						
	RP-11 06/04/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	RP-13 12/10/2001	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	RP-14 11/01/2002	4 . 2 . 0	<a href="#">get it</a>				
	RP-15 02/04/2002	4 . 3 . 0	<a href="#">get it</a>				

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<b>TS 25.426</b>	<b>UTRAN Iur and Iub interface data transport &amp; transport signalling for DCH data streams</b>						
Rel-4	<i>current version:</i> 4.4.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> KEKKI, Sami	NOKIA Corporation			
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern				
	<i>history (event, available, version,</i>						
	RP-11 06/04/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	RP-14 11/01/2002	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	RP-15 02/04/2002	4 . 2 . 0	<a href="#">get it</a>				
	RP-16 28/06/2002	4 . 3 . 0	<a href="#">get it</a>				
	RP-17 03/10/2002	4 . 4 . 0	<a href="#">get it</a>				

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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> 4.4.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> LONGONI, Fabio	NOKIA TELECOMMUNICATIONS FINLAND			
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern				
	<i>history (event, available, version,</i>						
	RP-11 06/04/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	RP-12 06/07/2001	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	RP-13 12/10/2001	4 . 2 . 0	<a href="#">get it</a>				
	RP-14 11/01/2002	4 . 3 . 0	<a href="#">get it</a>				
	RP-18 03/01/2003	4 . 4 . 0	<a href="#">get it</a>				

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



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**TS 25.430 UTRAN lub Interface: General Aspects and Principles**

Rel-4 *current version:* 4.4.0

*freeze\_meeting:* SP-11

*history (event, available, version,*

RP-11 06/04/2001 4 . 0 . 0

RP-12 06/07/2001 4 . 1 . 0

RP-14 11/01/2002 4 . 2 . 0

RP-16 28/06/2002 4 . 3 . 0

RP-17 03/10/2002 4 . 4 . 0

*WG (prime / other):* R3 / - *rapporteur:* WILSON, Mick  
*G:* *U:* yes *MCC:* KRAUSE, Joern

FUJITSU Laboratories of Europe Limited

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

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**TS 25.431 UTRAN lub interface Layer 1**

Rel-4 *current version:* 4.0.0

*freeze\_meeting:* SP-11

*history (event, available, version,*

RP-11 06/04/2001 4 . 0 . 0

*WG (prime / other):* R3 / - *rapporteur:* BRANDT, Achim V.  
*G:* *U:* yes *MCC:* KRAUSE, Joern

SIEMENS AG

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

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**TS 25.432 UTRAN lub interface: signalling transport**

Rel-4 *current version:* 4.0.0

*freeze\_meeting:* SP-11

*history (event, available, version,*

RP-11 06/04/2001 4 . 0 . 0

*WG (prime / other):* R3 / - *rapporteur:* WILSON, Mick  
*G:* *U:* yes *MCC:* KRAUSE, Joern

FUJITSU Laboratories of Europe Limited

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

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

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Server ACTIVE specs Rel-4 25 .- series  
[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:* 4.9.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* R3 / - *rapporteur:* ISHIKAWA, Nobutaka NTT DoCoMo Inc  
*G:* U: yes *MCC:* KRAUSE, Joern

RP-11 06/04/2001 4 . 0 . 0  
RP-12 06/07/2001 4 . 1 . 0  
RP-13 12/10/2001 4 . 2 . 0  
edito 23/10/2001 4 . 2 . 1  
RP-14 11/01/2002 4 . 3 . 0  
RP-15 04/04/2002 4 . 4 . 0  
RP-16 19/07/2002 4 . 5 . 0  
RP-17 11/10/2002 4 . 6 . 0  
RP-18 03/01/2003 4 . 7 . 0  
RP-19 31/03/2003 4 . 8 . 0  
RP-20 17/06/2003 4 . 9 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
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[get it](#)  
[get it](#)  
[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  
*history (event, available, version,*

*WG (prime / other):* R3 / - *rapporteur:* ALDEN, Magnus TeliaSonera AB  
*G:* U: yes *MCC:* KRAUSE, Joern

RP-11 06/04/2001 4 . 0 . 0  
RP-12 06/07/2001 4 . 1 . 0  
RP-14 11/01/2002 4 . 2 . 0  
RP-15 02/04/2002 4 . 3 . 0  
RP-16 28/06/2002 4 . 4 . 0

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

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## TS 25.435 UTRAN lub interface user plane protocols for CCH data streams

Rel-4 *current version:* 4.5.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* R3 / - *rapporteur:* CALMEL, Jean-Marie NORTEL NETWORKS (EUROPE)  
*G:* U: yes *MCC:* KRAUSE, Joern

RP-11 06/04/2001 4 . 0 . 0  
RP-12 06/07/2001 4 . 1 . 0  
RP-13 12/10/2001 4 . 2 . 0  
RP-14 11/01/2002 4 . 3 . 0  
RP-15 02/04/2002 4 . 4 . 0  
RP-17 03/10/2002 4 . 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

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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> RECKER, Stephan	Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern		
	<i>history (event, available, version,</i>	<a href="#">get it</a>	<i>remarks - general:</i>		
	RP-11 06/04/2001 4 . 0 . 0		<i>remarks - this release:</i>		
<hr/>					
<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> U: yes	<i>MCC:</i> KRAUSE, Joern		
	<i>history (event, available, version,</i>	<a href="#">get it</a>	<i>remarks - general:</i>		
	RP-11 06/04/2001 4 . 0 . 0		<i>remarks - this release:</i> RP-15: No upgrade to Rel-5.		
<hr/>					
<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	CATT	
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> ARZELIER, Claude		
	<i>history (event, available, version,</i>	<a href="#">get it</a>	<i>remarks - general:</i>		
	Start of work 01/07/2000 0 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: Not to be promoted to Rel-5.		
	draft 15/07/2000 0 . 0 . 1	<a href="#">get it</a>			
	draft 01/08/2000 0 . 1 . 0	<a href="#">get it</a>			
	RP-09 01/10/2000 1 . 0 . 0	<a href="#">get it</a>			
	RP-10 20/12/2000 4 . 0 . 0	<a href="#">get it</a>			
	RP-11 27/03/2001 4 . 1 . 0	<a href="#">get it</a>			
<hr/>					
<b>TR 25.836</b>	<b>Node B synchronization for TDD</b>				
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> OESTREICH, Stefan	SIEMENS AG	
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa		
	<i>history (event, available, version,</i>	<a href="#">get it</a>	<i>remarks - general:</i>		
	RP-10 12/01/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: Not to be promoted to Rel-5.		
	RP-11 05/04/2001 4 . 1 . 0				

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

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**TR 25.838 Node B Synchronisation for TDD (lub/lur aspects)**

Rel-4 *current version:* 4.1.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

draft	15/07/2000	0	.	0	.	1
RP-09	21/09/2000	0	.	1	.	0
RP-10	21/12/2000	0	.	1	.	1
RP-11	06/04/2001	4	.	0	.	0
RP-14	11/01/2002	4	.	1	.	0

*WG (prime / other):* R3 / - *rapporteur:* LENHART, Johannes SIEMENS AG  
*G:* U: yes *MCC:* KRAUSE, Joern

[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 25.840 Terminal power saving features**

Rel-4 *current version:* 2.3.0 DRAFT  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

RP-09	28/09/2000	1	.	0	.	0
RP-10	12/01/2001	2	.	0	.	0
RP-11	05/04/2001	2	.	3	.	0

*WG (prime / other):* R1 / - *rapporteur:* SASAKI, Tsukasa  
*G:* U: yes *MCC:* SASAKI, Tsukasa

[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 25.841 DSCH power control improvement in soft handover**

Rel-4 *current version:* 4.1.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

RP-09	28/09/2000	1	.	0	.	0
RP-10	12/01/2001	4	.	0	.	0
RP-11	04/04/2001	4	.	1	.	0

*WG (prime / other):* R1 / - *rapporteur:* TOSKALA, Antti NOKIA Corporation  
*G:* U: yes *MCC:* SASAKI, Tsukasa

[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 25.842 Smart antenna**

Rel-4 *current version:* 1.0.0 DRAFT  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

RP-09	12/01/2001	1	.	0	.	0
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*WG (prime / other):* R1 / - *rapporteur:* HU, Jinling CATT  
*G:* U: yes *MCC:* SASAKI, Tsukasa

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

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

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Server ACTIVE specs Rel-4 25 .- series  
[http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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**TR 25.843 1,28 Mcps TDD UE Radio Access Capabilities**

Rel-4 *current version:* 4.1.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* R2 / - *rapporteur:* ZHU, Yifei CATT  
*G:* *U:* yes *MCC:* ARZELIER, Claude

*history (event, available, version,*  
RP-10 20/12/2000 4 . 0 . 0  
RP-11 27/03/2001 4 . 1 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* RP-15: Not to be promoted to Rel-5.

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**TR 25.844 Radio access bearer support enhancements**

Rel-4 *current version:* 4.3.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* R2 / - *rapporteur:* KRISHNARAJAH, Ericsson AB  
*G:* *U:* yes *MCC:* Ainkaran ARZELIER, Claude

*history (event, available, version,*  
RP-10 20/12/2000 1 . 0 . 0 RP-000560  
RP-11 27/03/2001 4 . 0 . 0  
RP-13 02/10/2001 4 . 1 . 0  
RP-16 17/06/2002 4 . 2 . 0  
RP-17 18/09/2002 4 . 3 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* RP-15: Not to be promoted to Rel-5.  
[get it](#)  
[get it](#)

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**TR 25.847 UE positioning enhancements**

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* R2 / *rapporteur:* BECKMANN, Mark SIEMENS AG  
*G:* *U:* yes *MCC:* ARZELIER, Claude

*history (event, available, version,*  
draft 10/11/2000 0 . 1 . 0  
RP-10 20/12/2000 1 . 0 . 0  
RP-11 27/03/2001 4 . 0 . 0

[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 25.848 Physical Layer Aspects of UTRA High Speed Downlink Packet Access**

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-10

*WG (prime / other):* R1 / *rapporteur:* IKEDA, Shinobu NEC Corporation  
*G:* *U:* yes *MCC:* SASAKI, Tsukasa

*history (event, available, version,*  
RP-11 05/04/2001 4 . 0 . 0

[get it](#) *remarks - general:*  
*remarks - this release:* RP-15: Not to be promoted to Rel-5.

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

# 3GPP specification status

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**TR 25.849 DSCH power control improvement in soft handover**

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
RP-11 06/04/2001 4 . 0 . 0

*WG (prime / other):* R3 / - *rapporteur:* WOONHEE, Hwang NOKIA Corporation  
*G:* U: yes *MCC:* KRAUSE, Joern

[get it](#) *remarks - general:*  
*remarks - this release:* RP-15: No upgrade to Rel-5.

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**TR 25.850 UE positioning in UTRAN lub/lur protocol aspects**

Rel-4 *current version:* 4.3.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
RP-10 21/12/2000 0 . 0 . 2 RP-000658  
draft 21/12/2000 0 . 1 . 0  
RP-11 06/04/2001 4 . 0 . 0  
RP-12 06/07/2001 4 . 1 . 0  
RP-13 12/10/2001 4 . 2 . 0  
RP-14 11/01/2002 4 . 3 . 0

*WG (prime / other):* R3 / - *rapporteur:* HAUTALA, Jari NOKIA Corporation  
*G:* U: yes *MCC:* KRAUSE, Joern

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* RP-15: No upgrade to Rel-5.  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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**TR 25.851 RAB Quality of Service (QoS) Renegotiation over lu**

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
RP-10 21/12/2000 0 . 0 . 2 RP-000660  
RP-11 06/04/2001 4 . 0 . 0

*WG (prime / other):* R3 / *rapporteur:* IRWIN, Sania MOTOROLA GmbH  
*G:* U: yes *MCC:* KRAUSE, Joern

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* RP-15: No upgrade to Rel-5.

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**TR 25.853 Delay budget within the access stratum**

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* RP-11  
*history (event, available, version,*  
RP-11 06/04/2001 4 . 0 . 0

*WG (prime / other):* R3 / - *rapporteur:* DELL'ACQUA, Massimo Indicate persons who left Company and wait for new One  
*G:* U: yes *MCC:* KRAUSE, Joern

[get it](#) *remarks - general:* Was 25.932. Approved and renumbered at TSG#10.  
*remarks - this release:* 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:* 4.5.0 *WG (prime / other):* R2 / - *rapporteur:* KALLA, Gairm NOKIA UK Ltd  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* ARZELIER, Claude  
*history (event, available, version,*  
RP-11 27/03/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
RP-12 19/06/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
RP-13 02/10/2001 4 . 2 . 0 [get it](#)  
RP-14 04/01/2002 4 . 3 . 0 [get it](#)  
RP-15 19/03/2002 4 . 4 . 0 [get it](#)  
RP-18 13/01/2003 4 . 5 . 0 [get it](#)

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**TR 25.922 Radio Resource Management Strategies**

Rel-4 *current version:* 4.2.0 *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,*  
RP-11 27/03/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
RP-13 02/10/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
RP-15 19/03/2002 4 . 2 . 0 [get it](#)

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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,*  
RP-07 0 . 0 . 2 RP-000091 *remarks - general:* Created R1#10, Jan 99.  
RP-07 15/03/2000 0 . 0 . 3 RP-000158 [get it](#) *remarks - this release:* RP-15: Not to be promoted to Rel-5.  
RP-08 0 . 2 . 0  
RP-08 23/06/2000 1 . 0 . 0 [get it](#)  
RP-09 11/01/2001 1 . 1 . 0 [get it](#)  
RP-11 06/04/2001 4 . 0 . 0 [get it](#)  
edito 10/04/2001 4 . 0 . 1 [get it](#)

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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,*

RP-11	30/03/2001	4	.	0	.	0
RP-12	05/07/2001	4	.	1	.	0
RP-14	11/01/2002	4	.	2	.	0
RP-15	02/04/2002	4	.	3	.	0
RP-16	28/06/2002	4	.	4	.	0

*WG (prime / other):* R3 / - *rapporteur:* CASALINO, Francesco TELECOM ITALIA S.p.A.  
*G:* *U:* yes *MCC:* KRAUSE, Joern

[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,*

draft	25/04/2000	0	.	0	.	0
draft	16/05/2000	0	.	0	.	1
RP-09	28/09/2000	0	.	2	.	0
RP-10	21/12/2000	0	.	2	.	1
RP-11	06/04/2001	4	.	0	.	0

RP-000646

*WG (prime / other):* R3 / - *rapporteur:* YOSHIMURA, Takayuki J-Phone Co., Ltd.  
*G:* *U:* yes *MCC:* KRAUSE, Joern

[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,*

Start of work	01/08/2000	0	.	0	.	0
draft	15/07/2000	0	.	0	.	1
R3-15	15/08/2000	0	.	1	.	0
RP-10	21/12/2000	0	.	1	.	1
draft	16/10/2000	1	.	0	.	0
RP-11	06/04/2001	4	.	0	.	0
RP-15	25/03/2002	4	.	1	.	0

*WG (prime / other):* R3 / - *rapporteur:* VAN LIESHOUT, SAMSUNG Electronics Research Institute  
*G:* *U:* yes *MCC:* KRAUSE, Joern

[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 25.936 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:* KRAUSE, Joern

*history (event, available, version,*  
Start of work 01/07/2000 0 . 0 . 0  
draft 15/07/2000 0 . 0 . 1  
R3-15 01/09/2000 0 . 1 . 0  
RP-10 21/12/2000 0 . 3 . 0  
RP-11 06/04/2001 4 . 0 . 0  
formatting 09/01/2002 4 . 0 . 1  
corrections

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* RP-15: Not to be promoted to Rel-5.  
[get it](#)  
[get it](#)  
[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:* KRAUSE, Joern

*history (event, available, version,*  
draft 01/08/2000 0 . 0 . 0  
draft 15/08/2000 0 . 0 . 1  
R3-15 30/08/2000 0 . 1 . 0  
RP-10 21/12/2000 0 . 3 . 1 RP-000686  
RP-11 06/04/2001 4 . 0 . 0  
RP-13 12/10/2001 4 . 1 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* RP-15: No upgrade to Rel-5.  
[get it](#)  
[get it](#)  
[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,*  
RP-11 10/10/2001 4 . 0 . 0 expected post RP-12  
RP-14 14/01/2002 4 . 1 . 0  
RP-16 03/07/2002 4 . 2 . 0

[get it](#) *remarks - general:* Additional rapporteur = A.De Pasquale.  
[get it](#) *remarks - this release:*  
[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>	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar				
	<i>history (event, available, version,</i>			<i>U:</i> yes					
	RP-09	0 . 0 . 1						<i>remarks - general:</i>	
	RP-11	0 . 1 . 0						<i>remarks - this release:</i>	
	RP-08 23/06/2000	2 . 0 . 0							
	RP-12	2 . 1 . 0	RP-010437					<a href="#">get it</a>	
	RP-12 29/06/2001	4 . 0 . 0						<a href="#">get it</a>	
	RP-14 16/01/2002	4 . 1 . 0						<a href="#">get it</a>	
	RP-16 03/07/2002	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>	<i>MCC:</i> SASAKI, Tsukasa				
	<i>history (event, available, version,</i>			<i>U:</i> yes					
	RP-11 06/04/2001	4 . 0 . 0						<i>remarks - general:</i> Created Jan 2000 (aka R1.04)	
	edito 10/04/2001	4 . 0 . 1						<i>remarks - this release:</i> RP-15: Not to be promoted to Rel-5.	
	RP-12 28/06/2001	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	CATT			
	<i>freeze_meeting:</i> SP-11			<i>G:</i>	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar				
	<i>history (event, available, version,</i>			<i>U:</i> yes					
	RP-09	0 . 3 . 0						<i>remarks - general:</i>	
	RP-10 21/12/2000	2 . 0 . 0	RP-000678					<i>remarks - this release:</i>	
	RP-11 28/05/2001	4 . 0 . 0	Cosmetically too nasty to publish as ETSI TR (TS??)					<a href="#">get it</a>	
	RP-13 10/10/2001	4 . 1 . 0						<a href="#">get it</a>	
	fix layout prob 10/10/2001	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> MOLANDER, Anders	Telefon AB LM Ericsson			
	<i>freeze_meeting:</i> SP-11			<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern				
	<i>history (event, available, version,</i>								
	draft 15/08/2000	0	. 0	. 1	<a href="#">get it</a>	<i>remarks - general:</i>			
	R3-15 30/08/2000	0	. 1	. 0	<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: No upgrade to Rel-5.			
	RP-10 21/12/2000	0	. 1	. 1	<a href="#">get it</a>				RP-000656
	RP-11 06/04/2001	4	. 0	. 0	<a href="#">get it</a>				

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<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			<i>G:</i> U: yes	<i>MCC:</i> ARZELIER, Claude				
	<i>history (event, available, version,</i>								
	draft 07/11/2000	0	. 0	. 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	RP-11 27/03/2001	4	. 0	. 0	<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: Not to be promoted to Rel-5.			

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<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			<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern				
	<i>history (event, available, version,</i>								
	RP-10 21/12/2000	0	. 0	. 3	<a href="#">get it</a>	<i>remarks - general:</i>			RP-000664
	RP-11 06/04/2001	4	. 0	. 0	<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: No upgrade to Rel-5.			

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<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	J-Phone Co., Ltd.			
	<i>freeze_meeting:</i> SP-11			<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern				
	<i>history (event, available, version,</i>								
	RP-11 06/04/2001	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 25.956</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 DE ESPAÑA SA			
	<i>freeze_meeting:</i> RP-11			<i>G:</i> U: yes	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar				
	<i>history (event, available, version,</i>								
	RP-11 10/04/2001	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:* 4.0.0 *WG (prime / other):* R2 / *rapporteur:* FAUCONNIER, Denis NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* ARZELIER, Claude  
*history (event, available, version,*  
RP-18 13/01/2003 4 . 0 . 0 Back creation from Rel-6 version [get it](#) *remarks - general:*  
*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,*  
SP-11 10/04/2001 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,*  
SP-11 10/04/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
SP-14 09/01/2002 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,*  
SP-11 10/04/2001 4 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4  
corected tests 04/07/2001 4 . 0 . 1 [get it](#) *remarks - this release:*

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**TS 26.077 Minimum performance requirements for noise suppresser application to the Adaptive Multi-Rate (AMR) speech encoder**  
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,*  
SP-11 10/04/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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**TS 26.090 AMR speech Codec; Transcoding Functions**  
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,*  
SP-11 07/04/2001 4 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4  
*remarks - this release:*

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**TS 26.091 AMR speech Codec; Error concealment of lost frames**  
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,*  
SP-11 10/04/2001 4 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4  
*remarks - this release:*

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**TS 26.092 AMR speech Codec; comfort noise for AMR Speech Traffic Channels**  
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,*  
SP-11 10/04/2001 4 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4  
*remarks - this release:*

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**TS 26.093 AMR speech Codec; Source Controlled Rate operation**  
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,*  
SP-10 21/12/2000 4 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4  
*remarks - this release:*

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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,</i>					
	SP-11 10/04/2001 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,</i>					
	SP-11 10/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-12 27/06/2001 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-15 28/03/2002 4 . 2 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 26.102</b>	<b>Adaptive Multi-Rate (AMR) speech codec; Interface to Iu 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,</i>					
	SP-11 10/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-19 04/04/2003 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,</i>					
	SP-10 21/12/2000 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> New after TSG#5			
	SP-11 10/04/2001 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-14 09/01/2002 4 . 2 . 0	<a href="#">get it</a>				
	SP-16 28/06/2002 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

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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,</i>					
	SP-10 21/12/2000 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-12 27/06/2001 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	bug fix 29/06/2001 4 . 1 . 1	<a href="#">get it</a>				
	SP-13 02/10/2001 4 . 2 . 0	<a href="#">get it</a>				
	SP-15 28/03/2002 4 . 3 . 0	<a href="#">get it</a>				
	SP-19 04/04/2003 4 . 4 . 0	<a href="#">get it</a>				
	SP-20 25/06/2003 4 . 5 . 0	<a href="#">get it</a>				
<hr/>						
<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,</i>					
	SP-09 10/10/2000 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-11 10/04/2001 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>						
<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,</i>					
	SP-11 10/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> CR at TSG#5			
			<i>remarks - this release:</i>			
<hr/>						
<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,</i>					
	SP-11 10/04/2001 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,</i>					
	SP-11 10/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-13 02/10/2001 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-17 24/09/2002 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,</i>					
	SP-11 10/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-13 02/10/2001 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-15 28/03/2002 4 . 2 . 0	<a href="#">get it</a>				
	SP-17 24/09/2002 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,</i>					
	draft 02/11/2000 0 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-10 21/12/2000 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-11 10/04/2001 4 . 0 . 0	<a href="#">get it</a>				
	SP-14 09/01/2002 4 . 1 . 0	<a href="#">get it</a>				
	SP-15 28/03/2002 4 . 2 . 0	<a href="#">get it</a>				

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

Rel-4 *current version:* 4.5.0 *WG (prime / other):* S4 / - *rapporteur:* FRANCESCHI, Olle Nippon Ericsson K.K.  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* USAI, Paolino  
*history (event, available, version,*  
draft 19/10/2000 0 . 0 . 1 [get it](#) *remarks - general:*  
draft 26/10/2000 0 . 0 . 2 [get it](#) *remarks - this release:*  
draft 02/11/2000 0 . 0 . 3 [get it](#)  
SP-10 21/12/2000 1 . 0 . 0 SP-000566 [get it](#)  
SP-11 10/04/2001 4 . 0 . 0 [get it](#)  
SP-13 02/10/2001 4 . 1 . 0 [get it](#)  
SP-14 09/01/2002 4 . 2 . 0 [get it](#)  
SP-15 28/03/2002 4 . 3 . 0 [get it](#)  
SP-16 28/06/2002 4 . 4 . 0 [get it](#)  
SP-18 03/01/2003 4 . 5 . 0 [get it](#)

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## TR 26.901 AMR wideband speech codec; Feasibility study report

Rel-4 *current version:* 4.0.1 *WG (prime / other):* S4 / - *rapporteur:* OHANA, Alain Cingular Wireless LLC  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* USAI, Paolino  
*history (event, available, version,*  
SP-07 17/03/2000 2 . 0 . 0 [get it](#) *remarks - general:*  
SP-07 17/03/2000 4 . 0 . 0 [get it](#) *remarks - this release:*  
edito 26/04/2000 4 . 0 . 1 [get it](#)

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## TR 26.911 Codec for Circuit switched Multimedia Telephony Service; Terminal Implementor's Guide

Rel-4 *current version:* 4.2.0 *WG (prime / other):* S4 / - *rapporteur:* HAAVISTO, Petri Nokia Research Center  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* USAI, Paolino  
*history (event, available, version,*  
SP-10 21/12/2000 4 . 0 . 0 [get it](#) *remarks - general:*  
SP-11 10/04/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
SP-19 04/04/2003 4 . 2 . 0 [get it](#)

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## TR 26.912 Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G

Rel-4 *current version:* 4.0.0 *WG (prime / other):* S4 / - *rapporteur:* FRANCESCHI, Olle Nippon Ericsson K.K.  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* USAI, Paolino  
*history (event, available, version,*  
SP-11 10/04/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* 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

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<b>TR 26.975</b>	<b>Performance characterization of the Adaptive Multi-Rate (AMR) speech codec</b>					
Rel-4	<i>current version:</i> 4.1.0	<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,</i>					
	SP-11 10/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Replaces 26.075. 2001-10-02: Also for GSM.		
	SP-13 02/10/2001 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>						
<b>TR 26.978</b>	<b>Results of the AMR noise suppression selection phase</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,</i>					
	SP-11 10/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Replaces 26.078		
			<i>remarks - this release:</i>	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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<b>TS 27.001</b>	<b>General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)</b>					
Rel-4	<i>current version:</i> 4.10.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> HUSLENDE, Ragnar	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version,</i>					
	NP-08 28/06/2000 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-09 23/10/2000 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	NP-10 04/01/2001 4 . 2 . 0	<a href="#">get it</a>				
	NP-11 05/04/2001 4 . 3 . 0	<a href="#">get it</a>				
	NP-12 04/07/2001 4 . 4 . 0	<a href="#">get it</a>				
	NP-13 10/10/2001 4 . 5 . 0	<a href="#">get it</a>				
	NP-14 11/01/2002 4 . 6 . 0	<a href="#">get it</a>				
	NP-15 20/03/2002 4 . 7 . 0	<a href="#">get it</a>				
	NP-17 17/09/2002 4 . 8 . 0	<a href="#">get it</a>				
	NP-19 27/03/2003 4 . 9 . 0	<a href="#">get it</a>				
	NP-20 25/06/2003 4 . 10 . 0	<a href="#">get it</a>				

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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,*  
NP-09 (probably) 12/10/2000 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,*  
NP-10 22/12/2000 4 . 0 . 0 [get it](#) *remarks - general:*  
NP-11 02/04/2001 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,*  
TP-11 06/04/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
TP-13 04/10/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
TP-16 25/06/2002 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,*  
TP-09 11/10/2000 4 . 0 . 0 [get it](#) *remarks - general:*  
TP-11 11/04/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
TP-12 04/07/2001 4 . 2 . 0 [get it](#)  
TP-14 15/01/2002 4 . 3 . 0 [get it](#)  
TP-15 04/04/2002 4 . 4 . 0 [get it](#)  
TP-18 20/12/2002 4 . 5 . 0 [get it](#)  
TP-19 31/03/2003 4 . 6 . 0 [get it](#)

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## TS 27.010 Terminal Equipment to User Equipment (TE-UE) multiplexer protocol

Rel-4 *current version:* 4.2.0 *WG (prime / other):* T2 / - *rapporteur:* BROOK, Richard SAMSUNG Electronics Research Institute  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* RODERMUND, Friedhelm

*history (event, available, version,*  
TP-11 06/04/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
TP-13 04/10/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
TP-15 25/03/2002 4 . 2 . 0 [get it](#)

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## TS 27.060 Packet domain; Mobile Station (MS) supporting Packet Switched services

Rel-4 *current version:* 4.3.1 *WG (prime / other):* N3 / - *rapporteur:* WILD, Johanna MOTOROLA Ltd  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* BOSWARTHICK, David

*history (event, available, version,*  
NP-11 06/04/2001 4 . 0 . 0 [get it](#) *remarks - general:* GPRS  
NP-16 24/06/2002 4 . 1 . 0 [get it](#) *remarks - this release:*  
NP-17 17/09/2002 4 . 2 . 0 [get it](#)  
NP-20 23/06/2003 4 . 3 . 0 [get it](#)  
edito post NP-20: 01/07/2003 4 . 3 . 1 [get it](#)  
corrects typo  
(wrong version no.  
on cover)

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## TS 27.103 Wide Area Network Synchronization

Rel-4 *current version:* 4.0.0 *WG (prime / other):* T2 / - *rapporteur:* CHAU, Alan NOKIA UK Ltd  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* RODERMUND, Friedhelm

*history (event, available, version,*  
TP-11 02/04/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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## TR 27.901 Report on Terminal Interfaces - An Overview

Rel-4 *current version:* 4.1.0 *WG (prime / other):* T2 / - *rapporteur:* REX, Thomas ERICSSON MOBILE COMMUNICATIONS AB  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* RODERMUND, Friedhelm

*history (event, available, version,*  
TP-11 02/04/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
TP-15 26/03/2002 4 . 1 . 0 [get it](#) *remarks - this release:*

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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,*  
TP-11 02/04/2001 4 . 0 . 0

*WG (prime / other):* T2 / - *rapporteur:* LOCKHART, Rob Motorola Inc.  
*G:* yes *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,*

*WG (prime / other):* S4 / - *rapporteur:* SUERBAUM, Clemens SIEMENS AG  
*G:* yes *U:* yes *MCC:* USAI, Paolino

SP-05 13/10/1999 0 . 0 . 0  
SP-09 18/10/2000 0 . 0 . 3  
SP-10 21/12/2000 1 . 0 . 0 NP-000568  
draft 08/02/2001 1 . 1 . 0  
SP-11 10/04/2001 4 . 0 . 0  
SP-12 27/06/2001 4 . 1 . 0  
edito 01/10/2001 4 . 1 . 1  
SP-14 09/01/2002 4 . 2 . 0  
SP-15 28/03/2002 4 . 3 . 0  
SP-16 28/06/2002 4 . 4 . 0  
SP-18 03/01/2003 4 . 5 . 0

[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:* 4.12.0

*freeze\_meeting:* SP-11

*history (event, available, version,*

NP-08	23/06/2000	4	.	0	.	0
edito	04/08/2000	4	.	0	.	1
edito	11/08/2000	4	.	0	.	2
NP-09	26/10/2000	4	.	1	.	0
NP-10	20/12/2000	4	.	2	.	0
edito	01/02/2001	4	.	2	.	1
NP-11	06/04/2001	4	.	3	.	0
NP-12	06/07/2001	4	.	4	.	0
edito	16/08/2001	4	.	4	.	1
NP-13	03/10/2001	4	.	5	.	0
NP-14	18/01/2002	4	.	6	.	0
NP-15	04/04/2002	4	.	7	.	0
NP-16	21/06/2002	4	.	8	.	0
NP-17	24/09/2002	4	.	9	.	0
NP-18	09/01/2003	4	.	10	.	0
NP-19	04/04/2003	4	.	11	.	0
NP-20	04/07/2003	4	.	12	.	0

delayed availability due to complexity of changes

*WG (prime / other):* N4 / -  
*G:* yes *U:* yes

*rapporteur:* WIEHE, Ulrich  
*MCC:* KYMALAINEN, Kimmo

Gesellschaft für Kommunikations Software

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
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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-4 *current version:* 4.8.0

*freeze\_meeting:* SP-11

*history (event, available, version,*

NP-09	12/10/2000	4	.	0	.	0
NP-10	04/01/2001	4	.	1	.	0
NP-11	29/03/2001	4	.	2	.	0
NP-14	11/01/2002	4	.	3	.	0
NP-16	24/06/2002	4	.	4	.	0
NP-17	17/09/2002	4	.	5	.	0
NP-18	09/01/2003	4	.	6	.	0
NP-19	27/03/2003	4	.	7	.	0
NP-20	23/06/2003	4	.	8	.	0

*WG (prime / other):* N3 / -  
*G:* yes *U:* yes

*rapporteur:* KLEHN, Norbert  
*MCC:* BOSWARTHICK, David

SIEMENS AG

[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

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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: Procedures and the Mobile Application Part (MAP)</i>	4.6.0	WG (prime / other):	N4	/-	<i>rapporteur:</i>	KYMALAINEN, Kimmo		
	TeliaSonera AB								
	<i>freeze_meeting:</i>	SP-11							
	<i>history (event, available, version,</i>		G: yes	U: yes		MCC:	KYMALA INEN, Kimmo		
	NP-11	30/03/2001	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4 (transfer??)
	NP-12	06/07/2001	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
	NP-14	11/01/2002	4	.	2	.	0	<a href="#">get it</a>	
	NP-16	21/06/2002	4	.	3	.	0	<a href="#">get it</a>	
	NP-17	18/09/2002	4	.	4	.	0	<a href="#">get it</a>	
	NP-18	07/01/2003	4	.	5	.	0	<a href="#">get it</a>	
	NP-20	27/06/2003	4	.	6	.	0	<a href="#">get it</a>	
<hr/>									
<b>TS 29.011</b>	<b>Signalling Interworking for Supplementary Services</b>								
Rel-4	<i>current version: 4.0.1</i>		WG (prime / other):	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,</i>								
	NP-11	04/04/2001	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	correct references	25/06/2002	4	.	0	.	1	<a href="#">get it</a>	<i>remarks - this release:</i>
<hr/>									
<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: 4.0.1</i>		WG (prime / other):	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,</i>								
	NP-11	04/04/2001	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4
	update references	24/06/2002	4	.	0	.	1	<a href="#">get it</a>	<i>remarks - this release:</i>
<hr/>									
<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: 4.1.0</i>		WG (prime / other):	N1	/-	<i>rapporteur:</i>	MILLS, Duncan	VODAFONE Group Plc	
	<i>freeze_meeting:</i>	SP-11	G: yes	U: yes		MCC:	JORGENSEN, Per Johan		
	<i>history (event, available, version,</i>								
	NP-11	06/04/2001	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	NP-16	26/06/2002	4	.	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

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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> 4.4.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> MILLS, Duncan	VODAFONE Group Plc	
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i>	JORGENSEN, Per Johan	
	<i>history (event, available, version,</i>				
	NP-11 06/04/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	NP-13 03/10/2001	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	NP-14 04/01/2002	4 . 2 . 0	<a href="#">get it</a>		
	NP-15 19/03/2002	4 . 3 . 0	<a href="#">get it</a>		
	NP-16 26/06/2002	4 . 4 . 0	<a href="#">get it</a>		
<hr/>					
<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> 4.8.0	<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,</i>				
	NP-11 30/03/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	NP-12 04/07/2001	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	NP-13 03/10/2001	4 . 2 . 0	<a href="#">get it</a>		
	NP-14 11/01/2002	4 . 3 . 0	<a href="#">get it</a>		
	NP-15 28/03/2002	4 . 4 . 0	<a href="#">get it</a>		
	NP-17 18/09/2002	4 . 5 . 0	<a href="#">get it</a>		
	NP-18 07/01/2003	4 . 6 . 0	<a href="#">get it</a>		
	NP-19 04/04/2003	4 . 7 . 0	<a href="#">get it</a>		
	NP-20 27/06/2003	4 . 8 . 0	<a href="#">get it</a>		
<hr/>					
<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> 4.8.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> WILD, Johanna	MOTOROLA Ltd	
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i>	BOSWARTHICK, David	
	<i>history (event, available, version,</i>				
	NP-11 06/04/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Former title: "General Packet Radio Service (GPRS); Interworking between the	
	NP-12 28/06/2001	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> Public Land Mobile Network (PLMN) supporting GPRS and Packet".	
	NP-13 12/10/2001	4 . 2 . 0	<a href="#">get it</a>		
	NP-14 14/01/2002	4 . 3 . 0	<a href="#">get it</a>		
	NP-15 20/03/2002	4 . 4 . 0	<a href="#">get it</a>		
	NP-16 02/07/2002	4 . 5 . 0	<a href="#">get it</a>		
	NP-18 09/01/2003	4 . 6 . 0	<a href="#">get it</a>		
	NP-19 27/03/2003	4 . 7 . 0	<a href="#">get it</a>		
	NP-20 23/06/2003	4 . 8 . 0	<a href="#">get it</a>		

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<b>TS 29.078</b>	<b>Customised 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,</i>				
	NP-11 29/03/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
	NP-12 03/07/2001	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> Phase 3	
	NP-13 03/10/2001	4 . 2 . 0	<a href="#">get it</a>		
	NP-14 04/01/2002	4 . 3 . 0	<a href="#">get it</a>		
	NP-15 19/03/2002	4 . 4 . 0	<a href="#">get it</a>		
	NP-16 17/06/2002	4 . 5 . 0	<a href="#">get it</a>		
	NP-17 17/09/2002	4 . 6 . 0	<a href="#">get it</a>		
	NP-18 18/12/2002	4 . 7 . 0	<a href="#">get it</a>		
	NP-19 25/03/2003	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> KRAUSE, Joern		
	<i>history (event, available, version,</i>				
	RP-11 06/04/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> TSG#8:Appeared as v2.0.0 (RP-000258)	
	RP-13 12/10/2001	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	RP-16 28/06/2002	4 . 2 . 0	<a href="#">get it</a>		
	RP-18 03/01/2003	4 . 3 . 0	<a href="#">get it</a>		
	RP-19 26/03/2003	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,</i>				
	NP-11 04/04/2001	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,</i>				
	NP-09 25/10/2000	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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## TS 29.198-01 Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview

Rel-4 *current version:* 4.3.3 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-11 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*  
NP-11 27/03/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
NP-12 29/06/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
NP-13 08/10/2001 4 . 2 . 0 [get it](#)  
NP-14 08/01/2002 4 . 3 . 0 [get it](#)  
edito 20/03/2002 4 . 3 . 1 [get it](#)  
edito (references 31/03/2003 4 . 3 . 2 [get it](#)  
etc)  
edito 18/06/2003 4 . 3 . 3 Introduction - update of table explaining [get it](#)  
how the various releases of ETSI,  
Parlay and 3GPP OSA specifications  
correspond; References

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## TS 29.198-02 Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data

Rel-4 *current version:* 4.6.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-11 *G:* *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*  
NP-11 27/03/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
NP-12 29/06/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
NP-13 08/10/2001 4 . 2 . 0 [get it](#)  
NP-14 08/01/2002 4 . 3 . 0 [get it](#)  
NP-15 20/03/2002 4 . 4 . 0 [get it](#)  
NP-19 31/03/2003 4 . 5 . 0 [get it](#)  
NP-20 18/06/2003 4 . 6 . 0 [get it](#)

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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  
*freeze\_meeting:* NP-11

*WG (prime / other):* N5 / *rapporteur:* BENNETT, Andy  
*G:* *U:* yes *MCC:* ZOICAS, Adrian

Lucent Technologies Network Systems UK

*history (event, available, version,*  
NP-11 27/03/2001 4 . 0 . 0  
NP-12 29/06/2001 4 . 1 . 0  
NP-13 08/10/2001 4 . 2 . 0  
NP-14 08/01/2002 4 . 3 . 0  
NP-15 20/03/2002 4 . 4 . 0  
NP-16 05/07/2002 4 . 5 . 0  
NP-17 01/10/2002 4 . 6 . 0  
NP-19 31/03/2003 4 . 7 . 0  
NP-20 18/06/2003 4 . 8 . 0

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

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## TS 29.198-04 Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control

Rel-4 *current version:* 4.7.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* N5 / *rapporteur:* BAKKER, John-Luc  
*G:* *U:* yes *MCC:* ZOICAS, Adrian

Telcordia Technologies, Inc.

*history (event, available, version,*  
NP-11 1 . 0 . 0  
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NP-12 2 . 0 . 0  
NP-12 29/06/2001 4 . 0 . 0  
NP-13 12/10/2001 4 . 1 . 0  
NP-14 08/01/2002 4 . 2 . 0  
NP-15 20/03/2002 4 . 3 . 0  
NP-16 05/07/2002 4 . 4 . 0  
NP-17 01/10/2002 4 . 5 . 0  
NP-19 31/03/2003 4 . 6 . 0  
NP-20 18/06/2003 4 . 7 . 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

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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:* 4.7.0 *WG (prime / other):* N5 / *rapporteur:* ABARCA, Chelo ALCATEL S.A.  
*freeze\_meeting:* NP-11 *G:* U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*

NP-11	27/03/2001	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
NP-12	29/06/2001	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
NP-13	08/10/2001	4	.	2	.	0	<a href="#">get it</a>
NP-14	08/01/2002	4	.	3	.	0	<a href="#">get it</a>
NP-15	20/03/2002	4	.	4	.	0	<a href="#">get it</a>
NP-17	01/10/2002	4	.	5	.	0	<a href="#">get it</a>
NP-19	31/03/2003	4	.	6	.	0	<a href="#">get it</a>
NP-20	18/06/2003	4	.	7	.	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,*

NP-11	27/03/2001	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
NP-12	29/06/2001	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
IDL file corrected	12/07/2001	4	.	1	.	1	<a href="#">get it</a>
NP-13	08/10/2001	4	.	2	.	0	<a href="#">get it</a>
edito	12/10/2001	4	.	2	.	1	<a href="#">get it</a>
NP-14	08/01/2002	4	.	3	.	0	<a href="#">get it</a>
NP-15	20/03/2002	4	.	4	.	0	<a href="#">get it</a>
NP-19	31/03/2003	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:* SAARENPA, Matti NOKIA Corporation  
*freeze\_meeting:* NP-11 *G:* U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*

NP-11	27/03/2001	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
NP-12	29/06/2001	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
NP-13	08/10/2001	4	.	2	.	0	<a href="#">get it</a>
NP-14	08/01/2002	4	.	3	.	0	<a href="#">get it</a>
NP-15	20/03/2002	4	.	4	.	0	<a href="#">get it</a>
NP-19	31/03/2003	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

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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:* UNMEHOPA, Musa Lucent Technologies Nederland B.V.  
*freeze\_meeting:* NP-11 *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
NP-11 27/03/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
NP-12 29/06/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
NP-13 08/10/2001 4 . 2 . 0 [get it](#)  
NP-14 08/01/2002 4 . 3 . 0 [get it](#)  
NP-15 20/03/2002 4 . 4 . 0 [get it](#)  
NP-17 01/10/2002 4 . 5 . 0 [get it](#)  
NP-19 31/03/2003 4 . 6 . 0 [get it](#)  
NP-20 18/06/2003 4 . 7 . 0 [get it](#)

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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:* SCHILDERS, Koen Telefon AB LM Ericsson  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
NP-11 1 . 0 . 0 *remarks - general:*  
edito 27/03/2001 1 . 0 . 1 [get it](#) *remarks - this release:*  
NP-12 29/06/2001 4 . 0 . 0 [get it](#)  
NP-13 08/10/2001 4 . 1 . 0 [get it](#)  
NP-14 08/01/2002 4 . 2 . 0 [get it](#)  
NP-15 20/03/2002 4 . 3 . 0 [get it](#)  
NP-19 31/03/2003 4 . 4 . 0 [get it](#)

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## TS 29.198-12 Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging

Rel-4 *current version:* 4.4.0 *WG (prime / other):* N5 / *rapporteur:* SCHILDERS, Koen Telefon AB LM Ericsson  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
NP-11 1 . 0 . 0 *remarks - general:*  
edito 27/03/2001 1 . 0 . 1 [get it](#) *remarks - this release:*  
NP-12 29/06/2001 4 . 0 . 0 [get it](#)  
NP-13 08/10/2001 4 . 1 . 0 [get it](#)  
NP-14 08/01/2002 4 . 2 . 0 [get it](#)  
NP-15 20/03/2002 4 . 3 . 0 [get it](#)  
NP-19 31/03/2003 4 . 4 . 0 [get it](#)

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

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[http://www.3gpp.org/ftp/Specs/archive/29\\_series](http://www.3gpp.org/ftp/Specs/archive/29_series)

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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,*  
NP-11 02/04/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
edito 09/05/2001 4 . 0 . 1 [get it](#) *remarks - this release:*  
NP-13 03/10/2001 4 . 1 . 0 [get it](#)  
correct references 25/06/2002 4 . 1 . 1 [get it](#)  
NP-17 18/09/2002 4 . 2 . 0 [get it](#)  
NP-18 07/01/2003 4 . 3 . 0 [get it](#)

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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,*  
NP-11 30/03/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
NP-12 04/07/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
NP-13 03/10/2001 4 . 2 . 0 [get it](#)

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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,*  
NP-10 12/01/2001 1 . 0 . 0 NP-000652 [get it](#) *remarks - general:* Additional rapporteur: Laura.Pomponi@CSELT.IT  
NP-11 30/03/2001 4 . 0 . 0 [get it](#) *remarks - this release:*  
NP-12 04/07/2001 4 . 1 . 0 [get it](#)  
NP-13 05/10/2001 4 . 2 . 0 [get it](#)  
NP-14 11/01/2002 4 . 3 . 0 [get it](#)  
NP-15 28/03/2002 4 . 4 . 0 [get it](#)  
NP-16 21/06/2002 4 . 5 . 0 [get it](#)  
NP-17 18/09/2002 4 . 6 . 0 [get it](#)  
NP-18 07/01/2003 4 . 7 . 0 [get it](#)  
NP-20 27/06/2003 4 . 8 . 0 [get it](#)

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## TS 29.414 Core network Nb data transport and transport signalling

Rel-4 *current version:* 4.4.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

NP-11	06/04/2001	4	.	0	.	0
NP-12	28/06/2001	4	.	1	.	0
NP-13	03/10/2001	4	.	2	.	0
NP-14	11/01/2002	4	.	3	.	0
NP-15	20/03/2002	4	.	4	.	0

*WG (prime / other):* N3 / - *rapporteur:* BELLING, Thomas  
*G:* U: yes *MCC:* BOSWARTHICK, David SIEMENS AG

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

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## TS 29.415 Core network Nb interface user plane protocols

Rel-4 *current version:* 4.3.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

NP-11	06/04/2001	4	.	0	.	0
NP-13	03/10/2001	4	.	1	.	0
NP-14	11/01/2002	4	.	2	.	0
NP-19	27/03/2003	4	.	3	.	0

*WG (prime / other):* N3 / - *rapporteur:* SANDERS, David  
*G:* U: yes *MCC:* BOSWARTHICK, David VODAFONE Group Plc

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

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

Rel-4 *current version:* 4.0.1  
*freeze\_meeting:* SP-11

*history (event, available, version,*

NP-16	26/06/2002	4	.	0	.	0
edito post NP-18	16/12/2002	4	.	0	.	1

minor editorials to change style from TS to TR.

*WG (prime / other):* N1 / RP *rapporteur:* ANDERSEN, Niels  
*G:* yes U: yes *MCC:* JORGENSEN, Per Johan MOTOROLA A/S

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

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## TR 29.998-01 Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General Issues on API Mapping

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-11

*history (event, available, version,*

NP-11	02/04/2001	4	.	0	.	0
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*WG (prime / other):* N5 / *rapporteur:* UNMEHOPA, Musa  
*G:* U: yes *MCC:* ZOICAS, Adrian Lucent Technologies Nederland B.V.

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

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

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<b>TR 29.998-04- 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-4 <i>current version:</i> 4.2.0 <i>freeze_meeting:</i> NP-11 <i>history (event, available, version,</i> NP-11 02/04/2001 4 . 0 . 0 NP-12 29/06/2001 4 . 1 . 0 NP-13 05/10/2001 4 . 2 . 0	<i>WG (prime / other):</i> N5 / <i>G:</i> <i>U:</i> yes	<i>rapporteur:</i> UNMEHOPA, Musa <i>MCC:</i> ZOICAS, Adrian	Lucent Technologies Nederland B.V.
	<a href="#">get it</a> <i>remarks - general:</i>		
	<a href="#">get it</a> <i>remarks - this release:</i>		
	<a href="#">get it</a>		

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<b>TR 29.998-05- 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</b>			
Rel-4 <i>current version:</i> 4.0.0 <i>freeze_meeting:</i> NP-11 <i>history (event, available, version,</i> NP-11 02/04/2001 4 . 0 . 0	<i>WG (prime / other):</i> N5 / <i>G:</i> <i>U:</i> yes	<i>rapporteur:</i> UNMEHOPA, Musa <i>MCC:</i> ZOICAS, Adrian	Lucent Technologies Nederland B.V.
	<a href="#">get it</a> <i>remarks - general:</i>		
	<i>remarks - this release:</i>		

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<b>TR 29.998-05- 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</b>			
Rel-4 <i>current version:</i> 4.0.0 <i>freeze_meeting:</i> NP-12 <i>history (event, available, version,</i> NP-11 26/03/2001 1 . 0 . 0 edito 02/04/2001 1 . 0 . 1 NP-12            2 . 0 . 0 NP-12 29/06/2001 4 . 0 . 0	<i>WG (prime / other):</i> N5 / <i>G:</i> <i>U:</i> yes	<i>rapporteur:</i> UNMEHOPA, Musa <i>MCC:</i> ZOICAS, Adrian	Lucent Technologies Nederland B.V.
	<a href="#">get it</a> <i>remarks - general:</i>		
	<a href="#">get it</a> <i>remarks - this release:</i>		
	<a href="#">get it</a>		

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<b>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</b>			
Rel-4 <i>current version:</i> 4.0.0 <i>freeze_meeting:</i> NP-11 <i>history (event, available, version,</i> NP-11 02/04/2001 4 . 0 . 0	<i>WG (prime / other):</i> N5 / <i>G:</i> <i>U:</i> yes	<i>rapporteur:</i> UNMEHOPA, Musa <i>MCC:</i> ZOICAS, Adrian	Lucent Technologies Nederland B.V.
	<a href="#">get it</a> <i>remarks - general:</i>		
	<i>remarks - this release:</i>		

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<b>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</b>			
Rel-4 <i>current version:</i> 4.0.0 <i>freeze_meeting:</i> NP-11 <i>history (event, available, version,</i> NP-11 02/04/2001 4 . 0 . 0	<i>WG (prime / other):</i> N5 / <i>G:</i> <i>U:</i> yes	<i>rapporteur:</i> UNMEHOPA, Musa <i>MCC:</i> ZOICAS, Adrian	Lucent Technologies Nederland B.V.
	<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,*  
NP-19 07/04/2003 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  
*remarks - this release:* . 3.0x series.

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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 31.048 Test specification for security mechanisms for the (U)SIM application toolkit**

Rel-4 *current version:* none *WG (prime / other):* T3 / - *rapporteur:* VIALLET, Sophie GEMPLUS Card International  
*freeze\_meeting:* TP-21 *G:* yes *U:* yes *MCC:* DIETZE, Claus  
*history (event, available, version,*  
*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:* DIETZE, Claus  
*history (event, available, version,*  
TP-11 09/04/2001 4 . 0 . 0 [get it](#) *remarks - general:* Contents is a reference to ETSI TR 102 221.  
TP-18 02/01/2003 4 . 1 . 0 [get it](#) *remarks - this release:*

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Server ACTIVE specs Rel-4 31 .- series  
[http://www.3gpp.org/ftp/Specs/archive/31\\_series](http://www.3gpp.org/ftp/Specs/archive/31_series)

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## TS 31.102 Characteristics of the USIM application

Rel-4 *current version:* 4.9.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* T3 / - *rapporteur:* HEIM, Christian  
*G:* *U:* yes *MCC:* DIETZE, Claus

GIESECKE & DEVRIENT GmbH

TP-11 09/04/2001 4 . 0 . 0  
TP-12 23/07/2001 4 . 1 . 0  
TP-13 11/10/2001 4 . 2 . 0  
TP-14 17/01/2002 4 . 3 . 0  
TP-15 28/03/2002 4 . 4 . 0  
TP-16 28/06/2002 4 . 5 . 0  
TP-17 25/09/2002 4 . 6 . 0  
TP-18 02/01/2003 4 . 7 . 0  
TP-19 01/04/2003 4 . 8 . 0  
TP-20 23/06/2003 4 . 9 . 0

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

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## TS 31.110 Numbering system for telecommunication IC card applications

Rel-4 *current version:* 4.1.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* T3 / - *rapporteur:* DIETRICH, Christian  
*G:* *U:* yes *MCC:* DIETZE, Claus

SchlumbergerSema - Schlumberger Systèmes S.A

TP-11 16/05/2001 4 . 0 . 0 late due to reversal of original T3  
decision to scrap in favour of an ETSI  
SCP deliverable only  
TP-14 16/01/2002 4 . 1 . 0

[get it](#) *remarks - general:* Sanders April 2001: Will be scrapped in favour of an ETSI SCP document. May  
*remarks - this release:* 2001: Sanders: "unscrapped". Contents will be change to a reference to ETSI TS  
101 220.  
[get it](#)

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

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<b>TS 31.111</b>	<b>Universal Subscriber Identity Module Application Toolkit (USAT)</b>								
Rel-4	<i>current version:</i> 4.10.0	<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	<i>G:</i> yes	<i>U:</i> yes	<i>MCC:</i>	DIETZE, Claus				
	<i>history (event, available, version,</i>								
	TP-09 18/10/2000	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 05/01/2001	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					
	TP-11 09/04/2001	4 . 2 . 0	<a href="#">get it</a>						
	edito 10/04/2001	4 . 2 . 1	<a href="#">get it</a>						
	TP-12 06/07/2001	4 . 3 . 0	<a href="#">get it</a>						
	TP-13 12/10/2001	4 . 4 . 0	<a href="#">get it</a>						
	TP-14 16/01/2002	4 . 5 . 0	<a href="#">get it</a>						
	TP-15 28/03/2002	4 . 6 . 0	<a href="#">get it</a>						
	TP-16 28/06/2002	4 . 7 . 0	<a href="#">get it</a>						
	TP-17 18/09/2002	4 . 8 . 0	<a href="#">get it</a>						
	TP-18 02/01/2003	4 . 9 . 0	<a href="#">get it</a>						
	TP-19 04/04/2003	4 . 10 . 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>rapporteur:</i>	MAESER, Torsten	Orga Test Systems Gmbh			
	<i>freeze_meeting:</i> SP-11	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i>	DIETZE, Claus				
	<i>history (event, available, version,</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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<b>TS 31.121</b>	<b>UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification</b>								
Rel-4	<i>current version:</i> 4.5.0	<i>WG (prime / other):</i>	T3 / -	<i>rapporteur:</i>	AFCHAR, Ramin	VODAFONE Group Plc			
	<i>freeze_meeting:</i> SP-12	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i>	DIETZE, Claus				
	<i>history (event, available, version,</i>								
	TP-12 06/07/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	based on R99 core spec; split into 2 parts (this is 2)				
	TP-16 19/06/2002	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					
	TP-17 18/09/2002	4 . 2 . 0	<a href="#">get it</a>						
	TP-18 02/01/2003	4 . 3 . 0	<a href="#">get it</a>						
	TP-19 26/03/2003	4 . 4 . 0	<a href="#">get it</a>						
	TP-20 23/06/2003	4 . 5 . 0	<a href="#">get it</a>						

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**TS 31.122 Universal Subscriber Identity Module (USIM) conformance test specification**

Rel-4 *current version:* none  
*freeze\_meeting:* SP-12  
*history (event, available, version,*

*WG (prime / other):* T3 / - *rapporteur:* KNIGHT, Simon  
*G:* *U:* yes *MCC:* DIETZE, Claus

ASPECTS Software Ltd

*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  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* S5 / - *rapporteur:* TRUSS, Michael  
*G:* *U:* yes *MCC:* ZOICAS, Adrian

MOTOROLA Ltd

SP-11 28/03/2001 4 . 0 . 0  
edito 11/04/2001 4 . 0 . 1  
SP-12 03/07/2001 4 . 1 . 0  
SP-13 05/10/2001 4 . 2 . 0  
edito 26/03/2002 4 . 2 . 1

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

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**TS 32.102 Telecommunication management; Architecture**

Rel-4 *current version:* 4.3.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* S5 / - *rapporteur:* BERGGREN, Tommy  
*G:* *U:* yes *MCC:* ZOICAS, Adrian

TeliaSonera AB

SP-11 28/03/2001 4 . 0 . 0  
SP-12 03/07/2001 4 . 1 . 0  
SP-13 05/10/2001 4 . 2 . 0  
SP-19 31/03/2003 4 . 3 . 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

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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:* U: yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
SP-12 03/07/2001 4 . 0 . 0 [get it](#) *remarks - general:* TSG#8: split into 4 parts  
*edito (layout and* 07/01/2003 4 . 0 . 1 [get it](#) *remarks - this release:*  
*references)*

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## TS 32.111-2 Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service

Rel-4 *current version:* 4.6.0 *WG (prime / other):* S5 / - *rapporteur:* SCHMIDT, Joerg MOTOROLA A/S  
*freeze\_meeting:* SP-12 *G:* U: yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
SP-12 04/07/2001 4 . 0 . 0 [get it](#) *remarks - general:* TSG#8: split into 4 parts  
SP-13 05/10/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
SP-14 11/01/2002 4 . 2 . 0 [get it](#)  
SP-15 26/03/2002 4 . 3 . 0 [get it](#)  
SP-17 18/09/2002 4 . 4 . 0 [get it](#)  
SP-18 09/01/2003 4 . 5 . 0 [get it](#)  
SP-19 31/03/2003 4 . 6 . 0 [get it](#)

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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

Rel-4 *current version:* 4.6.0 *WG (prime / other):* S5 / - *rapporteur:* TSE, Edwin Ericsson Incorporated  
*freeze\_meeting:* SP-12 *G:* U: yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
SP-12 04/07/2001 4 . 0 . 0 [get it](#) *remarks - general:* TSG#8: split into 4 parts  
SP-13 05/10/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
SP-15 26/03/2002 4 . 2 . 0 [get it](#)  
SP-16 20/06/2002 4 . 3 . 0 [get it](#)  
SP-17 20/09/2002 4 . 4 . 0 [get it](#)  
SP-18 09/01/2003 4 . 5 . 0 [get it](#)  
SP-19 01/04/2003 4 . 6 . 0 [get it](#)

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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**

Rel-4 *current version:* 4.5.0 *WG (prime / other):* S5 / - *rapporteur:* POLLAKOWSKI, Olaf SIEMENS AG  
*freeze\_meeting:* SP-12 *G:* U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*

SP-13 05/10/2001 4 . 0 . 0  
SP-14 11/01/2002 4 . 1 . 0  
SP-15 26/03/2002 4 . 2 . 0  
SP-16 20/06/2002 4 . 3 . 0  
SP-18 09/01/2003 4 . 4 . 0  
SP-19 01/04/2003 4 . 5 . 0

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*remarks - general:* TSG#8: split into 4 parts  
*remarks - this release:*

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**TS 32.200 Telecommunication management; Charging management; Charging principles**

Rel-4 *current version:* 4.4.0 *WG (prime / other):* S5 / *rapporteur:* GOERMER, Gerald SIEMENS AG  
*freeze\_meeting:* SP-14 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*

SP-12 18/06/2001 1 . 0 . 1 SP-010236  
SP-13 01/10/2001 2 . 0 . 0 SP-010464  
SP-13 05/10/2001 4 . 0 . 0  
SP-15 26/03/2002 4 . 1 . 0  
SP-16 20/06/2002 4 . 2 . 0  
SP-18 06/01/2003 4 . 3 . 0  
SP-19 02/04/2003 4 . 4 . 0

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*remarks - general:*  
*remarks - this release:* Had been indicated as approved at SP-12, but this was erroneous.

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**TS 32.205 Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain**

Rel-4 *current version:* 4.4.0 *WG (prime / other):* S5 / *rapporteur:* ALEXANDER, Benni NOKIA Corporation  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*

SP-11 29/03/2001 1 . 0 . 0  
SP-12 18/06/2001 1 . 1 . 1 SP-010236  
SP-13 26/09/2001 2 . 0 . 0 SP-010464  
SP-13 09/10/2001 4 . 0 . 0  
SP-15 26/03/2002 4 . 1 . 0  
edito post SP-15 27/03/2002 4 . 1 . 1  
SP-16 20/06/2002 4 . 2 . 0  
SP-18 09/01/2003 4 . 3 . 0  
SP-19 02/04/2003 4 . 4 . 0

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

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

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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-4	<i>current version:</i> 4.4.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> ALEXANDER, Benni	NOKIA Corporation					
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version,</i>								
	SP-12 18/06/2001	1 . 0 . 1	SP-010236	<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-13 01/10/2001	2 . 0 . 0	SP-010464	<a href="#">get it</a>	<i>remarks - this release:</i>				
	SP-13 09/10/2001	4 . 0 . 0		<a href="#">get it</a>					
	SP-14 11/01/2002	4 . 1 . 0		<a href="#">get it</a>					
	SP-15 26/03/2002	4 . 2 . 0		<a href="#">get it</a>					
edito post	SP-15 27/03/2002	4 . 2 . 1		<a href="#">get it</a>					
	SP-16 20/06/2002	4 . 3 . 0		<a href="#">get it</a>					
	SP-18 09/01/2003	4 . 4 . 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,</i>								
	SP-12 18/06/2001	1 . 0 . 1	SP-010236	<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-13 01/10/2001	2 . 0 . 0	SP-010464	<a href="#">get it</a>	<i>remarks - this release:</i>				
	SP-13 08/10/2001	4 . 0 . 0		<a href="#">get it</a>					
	SP-15 26/03/2002	4 . 1 . 0		<a href="#">get it</a>					
	SP-16 20/06/2002	4 . 2 . 0		<a href="#">get it</a>					
	SP-17 18/09/2002	4 . 3 . 0		<a href="#">get it</a>					
	SP-18 07/01/2003	4 . 4 . 0		<a href="#">get it</a>					
	SP-19 02/04/2003	4 . 5 . 0		<a href="#">get it</a>					
	SP-20 09/06/2003	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> U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version,</i>								
	SP-12 18/06/2001	2 . 0 . 0	SP-010283	<a href="#">get it</a>	<i>remarks - general:</i>	Replaces 32.106-8 (pars)			
	SP-12 03/07/2001	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>				
	SP-14 11/01/2002	4 . 1 . 0		<a href="#">get it</a>					
edito post	SP-18 13/01/2003	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	G: U: yes	MCC: ZOICAS, Adrian		
<i>history (event, available, version,</i>					
SP-12	21/06/2001	2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.301-1	
SP-12	03/07/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .	
edito	26/03/2002	4 . 0 . 1	<a href="#">get it</a>		
edito post	SP-18 13/01/2003	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</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	G: U: yes	MCC: ZOICAS, Adrian		
<i>history (event, available, version,</i>					
SP-12	21/06/2001	2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.301-2	
SP-12	04/07/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .	
SP-14	11/01/2002	4 . 1 . 0	<a href="#">get it</a>		
edito post	SP-18 13/01/2003	4 . 1 . 1	<a href="#">get it</a>		
SP-20	27/06/2003	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)</b>				
Rel-4	<i>current version:</i> 4.4.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> POLLAKOWSKI, Olaf	SIEMENS AG	
	<i>freeze_meeting:</i> SP-12	G: U: yes	MCC: ZOICAS, Adrian		
<i>history (event, available, version,</i>					
SP-12	21/06/2001	2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.301-3	
SP-12	03/07/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .	
SP-13	05/10/2001	4 . 1 . 0	<a href="#">get it</a>		
SP-15	26/03/2002	4 . 2 . 0	<a href="#">get it</a>		
SP-17	19/09/2002	4 . 3 . 0	<a href="#">get it</a>		
edito post	SP-17 01/10/2002	4 . 3 . 1	<a href="#">get it</a>		
edito post	SP-18 13/01/2003	4 . 3 . 2	<a href="#">get it</a>		
SP-19	31/03/2003	4 . 4 . 0	<a href="#">get it</a>		

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**TS 32.304 Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP); Common Management Information Protocol (CMIP) solution**

Rel-4 *current version:* 4.2.1 *WG (prime / other):* S5 / - *rapporteur:* POLLAKOWSKI, Olaf SIEMENS AG  
*freeze\_meeting:* SP-12 *G:* U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*  
SP-12 21/06/2001 2 . 0 . 0 [get it](#) *remarks - general:* was 32.301-4  
SP-12 04/07/2001 4 . 0 . 0 [get it](#) *remarks - this release:* .  
SP-13 05/10/2001 4 . 1 . 0 [get it](#)  
SP-15 26/03/2002 4 . 2 . 0 [get it](#)  
edito post SP-18 13/01/2003 4 . 2 . 1 [get it](#)

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**TS 32.311 Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements**

Rel-4 *current version:* 4.0.2 *WG (prime / other):* S5 / *rapporteur:* TSE, Edwin Ericsson Incorporated  
*freeze\_meeting:* SP-12 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*  
SP-12 21/06/2001 2 . 0 . 0 [get it](#) *remarks - general:* was 32.112-1  
SP-12 03/07/2001 4 . 0 . 0 [get it](#) *remarks - this release:* .  
edito 12/07/2001 4 . 0 . 1 [get it](#)  
edito post SP-18 13/01/2003 4 . 0 . 2 [get it](#)

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**TS 32.312 Telecommunication management; Generic Integration Reference Point (IRP) management; Information service**

Rel-4 *current version:* 4.0.1 *WG (prime / other):* S5 / *rapporteur:* TSE, Edwin Ericsson Incorporated  
*freeze\_meeting:* SP-12 *G:* U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*  
SP-12 21/06/2001 2 . 0 . 0 [get it](#) *remarks - general:* was 32.112-2  
SP-12 03/07/2001 4 . 0 . 0 [get it](#) *remarks - this release:* .  
edito post SP-18 13/01/2003 4 . 0 . 1 [get it](#)

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**TS 32.401 Telecommunication management; Performance Management (PM); Concept and requirements**

Rel-4 *current version:* 4.3.0 *WG (prime / other):* S5 / - *rapporteur:* HÜBINETTE, Ulf Telefon AB LM Ericsson  
*freeze\_meeting:* SP-13 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*  
SP-12 20/06/2001 1 . 0 . 0 [get it](#) *remarks - general:* was 32.104 (pars)  
edito 27/06/2001 1 . 0 . 1 [get it](#) *remarks - this release:* .  
SP-13 11/10/2001 2 . 0 . 0 SP-010467 [get it](#)  
SP-13 05/10/2001 4 . 0 . 0 [get it](#)  
SP-14 11/01/2002 4 . 1 . 0 [get it](#)  
SP-17 18/09/2002 4 . 2 . 0 [get it](#)  
SP-20 27/06/2003 4 . 3 . 0 [get it](#)

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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> 4.4.0	<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,</i>				
	SP-12 20/06/2001	1 . 0 . 2	<a href="#">get it</a>	<i>remarks - general:</i> was 32.104 (pars)
	SP-12 04/07/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .
	SP-13 05/10/2001	4 . 1 . 0	<a href="#">get it</a>	
	SP-15 26/03/2002	4 . 2 . 0	<a href="#">get it</a>	
editorial clean up	20/06/2002	4 . 2 . 1	<a href="#">get it</a>	
	SP-19 31/03/2003	4 . 3 . 0	<a href="#">get it</a>	
	SP-20 27/06/2003	4 . 4 . 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-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,</i>				
	SP-12 18/06/2001	2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Replaces 32.106 (pars).
	SP-12 03/07/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .

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<b>TS 32.601</b>	<b>Telecommunication management; Configuration Management (CM); Basic Configuration Management (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,</i>				
	SP-12 21/06/2001	2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.601-1
	SP-12 03/07/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .

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<b>TS 32.602</b>	<b>Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information service</b>			
Rel-4	<i>current version:</i> 4.1.0	<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,</i>				
	SP-12 21/06/2001	2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.601-2
	SP-12 03/07/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .
	SP-13 05/10/2001	4 . 1 . 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,*  
SP-12 21/06/2001 2 . 0 . 0 [get it](#) *remarks - general:* was 32.601-3  
SP-12 03/07/2001 4 . 0 . 0 [get it](#) *remarks - this release:* .  
SP-13 05/10/2001 4 . 1 . 0 [get it](#)  
SP-15 27/03/2002 4 . 2 . 0 [get it](#)  
SP-16 20/06/2002 4 . 3 . 0 [get it](#)  
post SP-16 04/07/2002 4 . 3 . 1 [get it](#)  
*correction of*  
*cover page*

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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:* U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*  
SP-12 21/06/2001 2 . 0 . 0 [get it](#) *remarks - general:* was 32.601-4  
SP-12 03/07/2001 4 . 0 . 0 [get it](#) *remarks - this release:* .  
SP-13 05/10/2001 4 . 1 . 0 [get it](#)  
SP-14 11/01/2002 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:* U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*  
SP-12 21/06/2001 2 . 0 . 0 [get it](#) *remarks - general:* was 32.602-1  
SP-12 03/07/2001 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</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	<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>				
	SP-12 21/06/2001	2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.602-2	
	SP-12 04/07/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .	
	SP-13 05/10/2001	4 . 1 . 0	<a href="#">get it</a>		
	SP-16 21/06/2002	4 . 2 . 0	<a href="#">get it</a>		
	SP-17 27/09/2002	4 . 3 . 0	<a href="#">get it</a>		
	SP-18 07/01/2003	4 . 4 . 0	<a href="#">get it</a>		
<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-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	<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>				
	SP-12 21/06/2001	2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.602-3	
	SP-12 04/07/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .	
	SP-14 11/01/2002	4 . 1 . 0	<a href="#">get it</a>		
	SP-16 21/06/2002	4 . 2 . 0	<a href="#">get it</a>		
	SP-17 27/09/2002	4 . 3 . 0	<a href="#">get it</a>		
	SP-18 07/01/2003	4 . 4 . 0	<a href="#">get it</a>		
<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-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	<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>				
	SP-12 21/06/2001	2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.602-4	
	SP-12 03/07/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .	
	SP-13 05/10/2001	4 . 1 . 0	<a href="#">get it</a>		
	SP-16 21/06/2002	4 . 2 . 0	<a href="#">get it</a>		
	SP-18 07/01/2003	4 . 3 . 0	<a href="#">get it</a>		

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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-4	<i>current version:</i> 4.3.0		<i>WG (prime / other):</i> S5 /		<i>rapporteur:</i> BONNEAU, Frédéric				NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting:</i> SP-12		G: U: yes		MCC:				ZOICAS, Adrian
<i>history (event, available, version,</i>									
	SP-12	21/06/2001	2 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		was 32.602-5	
	SP-12	03/07/2001	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		.	
	SP-14	11/01/2002	4 . 1 . 0		<a href="#">get it</a>				
	SP-15	27/03/2002	4 . 2 . 0		<a href="#">get it</a>				
	SP-20	27/06/2003	4 . 3 . 0		<a href="#">get it</a>				XML in separate file, added 2003-07-03
<hr/>									
<b>TS 32.621</b>	<b>Telecommunication management; Configuration Management (CM); Generic 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: yes U: yes		MCC:				ZOICAS, Adrian
<i>history (event, available, version,</i>									
	SP-12	21/06/2001	2 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		was 32.620-1	
	SP-12	03/07/2001	4 . 0 . 0		<a href="#">get it</a>	<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-4	<i>current version:</i> 4.4.0		<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		MCC:				ZOICAS, Adrian
<i>history (event, available, version,</i>									
	SP-12	21/06/2001	2 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		was 32.620-2	
	SP-12	03/07/2001	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		.	
	SP-13	05/10/2001	4 . 1 . 0		<a href="#">get it</a>				
	SP-15	27/03/2002	4 . 2 . 0		<a href="#">get it</a>				
	SP-16	28/06/2002	4 . 3 . 0		<a href="#">get it</a>				
	SP-20	27/06/2003	4 . 4 . 0		<a href="#">get it</a>				
<hr/>									
<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	<i>current version:</i> (CORBA) solution set	4.3.0		<i>WG (prime / other):</i> S5		/-	<i>rapporteur:</i> PIRT, Trevor		
MOTOROLA Ltd									
	<i>freeze_meeting:</i> SP-12		G: yes U: yes		MCC:				ZOICAS, Adrian
<i>history (event, available, version,</i>									
	SP-12	21/06/2001	2 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		was 32.620-3	
	SP-12	03/07/2001	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		.	
	SP-13	05/10/2001	4 . 1 . 0		<a href="#">get it</a>				
	SP-14	11/01/2002	4 . 2 . 0		<a href="#">get it</a>				
	SP-19	31/03/2003	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

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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	<i>current version: (CMIP) solution set</i>	4.4.0	WG (prime / other):	S5	/-	<i>rapporteur:</i>	POLLAKOWSKI, Olaf		
	SIEMENS AG								
	<i>freeze_meeting: SP-12</i>		G: yes	U: yes	MCC:		ZOICAS, Adrian		
	<i>history (event, available, version,</i>								
	SP-12 21/06/2001	2 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	was 32.620-4		
	SP-12 04/07/2001	4 . 0 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	.		
	SP-13 05/10/2001	4 . 1 . 0			<a href="#">get it</a>				
	SP-14 11/01/2002	4 . 2 . 0			<a href="#">get it</a>				
	SP-15 27/03/2002	4 . 3 . 0			<a href="#">get it</a>				
	SP-16 28/06/2002	4 . 4 . 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-4	<i>current version: 4.0.0</i>		WG (prime / other):	S5	/-	<i>rapporteur:</i>	PIRT, Trevor	MOTOROLA Ltd	
	<i>freeze_meeting: SP-12</i>		G:	U: yes	MCC:		ZOICAS, Adrian		
	<i>history (event, available, version,</i>								
	SP-12 21/06/2001	2 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	was 32.621-1		
	SP-12 03/07/2001	4 . 0 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	.		

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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: 4.3.0</i>		WG (prime / other):	S5	/-	<i>rapporteur:</i>	PAL, Tapinder	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting: SP-12</i>		G: yes	U: yes	MCC:		ZOICAS, Adrian		
	<i>history (event, available, version,</i>								
	SP-12 21/06/2001	2 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	was 32.621-2		
	SP-12 03/07/2001	4 . 0 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	.		
	SP-14 11/01/2002	4 . 1 . 0			<a href="#">get it</a>				
	SP-16 28/06/2002	4 . 2 . 0			<a href="#">get it</a>				
	SP-19 01/04/2003	4 . 3 . 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: (CORBA) solution set</i>	4.1.0	WG (prime / other):	S5	/-	<i>rapporteur:</i>	PAL, Tapinder	T-	
	MOBILE DEUTSCHLAND								
	<i>freeze_meeting: SP-12</i>		G: yes	U: yes	MCC:		ZOICAS, Adrian		
	<i>history (event, available, version,</i>								
	SP-12 21/06/2001	2 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	was 32.621-3		
	SP-12 03/07/2001	4 . 0 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	.		
	SP-16 28/06/2002	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 (CMIP)</b>
Rel-4	current version: solution set
SIEMENS AG	4.1.1
	WG (prime / other): S5
	/- rapporteur: POLLAKOWSKI, Olaf
	freeze_meeting: SP-12
	G: yes U: yes MCC: ZOICAS, Adrian
history (event, available, version,	
SP-12 21/06/2001 2 . 0 . 0	<a href="#">get it</a> remarks - general: was 32.621-4
SP-12 03/07/2001 4 . 0 . 0	<a href="#">get it</a> remarks - this release: .
SP-13 05/10/2001 4 . 1 . 0	<a href="#">get it</a>
edito after SP-17 18/09/2002 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	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,	
SP-12 21/06/2001 2 . 0 . 0	<a href="#">get it</a> remarks - general: was 32.622-1
SP-12 03/07/2001 4 . 0 . 0	<a href="#">get it</a> 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-4	current version: 4.3.0
	WG (prime / other): S5 / - rapporteur: PETERSEN, Robert Ericsson AB
	freeze_meeting: SP-12
	G: U: yes MCC: ZOICAS, Adrian
history (event, available, version,	
SP-12 21/06/2001 2 . 0 . 0	<a href="#">get it</a> remarks - general: was 32.622-2
SP-12 03/07/2001 4 . 0 . 0	<a href="#">get it</a> remarks - this release: .
SP-16 28/06/2002 4 . 1 . 0	<a href="#">get it</a>
SP-17 27/09/2002 4 . 2 . 0	<a href="#">get it</a>
SP-20 26/06/2003 4 . 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-4	current version: (CORBA) solution set
Motorola Inc.	4.2.0
	WG (prime / other): S5
	/- rapporteur: RAYMER, David
	freeze_meeting: SP-12
	G: U: yes MCC: ZOICAS, Adrian
history (event, available, version,	
SP-12 21/06/2001 2 . 0 . 0	<a href="#">get it</a> remarks - general: was 32.622-3
SP-12 03/07/2001 4 . 0 . 0	<a href="#">get it</a> remarks - this release: .
SP-14 11/01/2002 4 . 1 . 0	<a href="#">get it</a>
SP-20 27/06/2003 4 . 2 . 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: (CMIP) solution set</i>	4.2.0		<i>WG (prime / other):</i>	S5	/-	<i>rapporteur:</i>	POLLAKOWSKI, Olaf	
	SIEMENS AG								
	<i>freeze_meeting: SP-12</i>		G:	<i>U: yes</i>	<i>MCC:</i>			ZOICAS, Adrian	
	<i>history (event, available, version,</i>								
	SP-12 21/06/2001	2 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			was 32.622-4	
	SP-12 03/07/2001	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>				
	SP-13 05/10/2001	4 . 1 . 0		<a href="#">get it</a>					
	edito post SP-17 18/09/2002	4 . 1 . 1		<a href="#">get it</a>					
	SP-20 26/06/2003	4 . 2 . 0		<a href="#">get it</a>					
<hr/>									
<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: 4.0.0</i>			<i>WG (prime / other):</i>	S5 / -		<i>rapporteur:</i>	PIRT, Trevor	MOTOROLA Ltd
	<i>freeze_meeting: SP-12</i>		G: yes	<i>U:</i>			<i>MCC:</i>	ZOICAS, Adrian	
	<i>history (event, available, version,</i>								
	SP-12 21/06/2001	2 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			was 32.623-1	
	SP-12 03/07/2001	4 . 0 . 0		<a href="#">get it</a>	<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-4	<i>current version: 4.5.0</i>			<i>WG (prime / other):</i>	S5 / -		<i>rapporteur:</i>	PETERSEN, Robert	Ericsson AB
	<i>freeze_meeting: SP-12</i>		G: yes	<i>U:</i>			<i>MCC:</i>	ZOICAS, Adrian	
	<i>history (event, available, version,</i>								
	SP-12 21/06/2001	2 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>			was 32.623-2	
	SP-12 03/07/2001	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>			.	
	SP-13 05/10/2001	4 . 1 . 0		<a href="#">get it</a>					
	SP-14 11/01/2002	4 . 2 . 0		<a href="#">get it</a>					
	SP-16 28/06/2002	4 . 3 . 0		<a href="#">get it</a>					
	SP-17 27/09/2002	4 . 4 . 0		<a href="#">get it</a>					
	SP-20 26/06/2003	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: (CORBA) solution set</i>	4.2.0	<i>WG (prime / other):</i>	S5	/-	<i>rporteur:</i>	RAYMER, David	Motorola Inc.
	<i>freeze_meeting: SP-12</i>		G: yes U:		MCC:		ZOICAS, Adrian	
	<i>history (event, available, version,</i>							
	SP-12 21/06/2001	2 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		was 32.623-3	
	SP-12 04/07/2001	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		.	
	SP-14 11/01/2002	4 . 1 . 0		<a href="#">get it</a>				
	SP-20 27/06/2003	4 . 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-4	<i>current version: (CMIP) solution set</i>	4.2.0	<i>WG (prime / other):</i>	S5	/-	<i>rporteur:</i>	POLLAKOWSKI, Olaf	SIEMENS AG
	<i>freeze_meeting: SP-12</i>		G: yes U:		MCC:		ZOICAS, Adrian	
	<i>history (event, available, version,</i>							
	SP-12 21/06/2001	2 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		was 32.623-4	
	SP-12 03/07/2001	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		.	
	SP-13 05/10/2001	4 . 1 . 0		<a href="#">get it</a>				
	SP-20 27/06/2003	4 . 2 . 0		<a href="#">get it</a>				
<hr/>								
<b>TR 32.800</b>	<b>Telecommunication management; Management level procedures and interaction with UTRAN</b>							
Rel-4	<i>current version: 4.0.0</i>		<i>WG (prime / other):</i>	S5 /		<i>rporteur:</i>	BODEN, Bert	Vodafone D2 GmbH
	<i>freeze_meeting: SP-12</i>		G: U: yes		MCC:		ZOICAS, Adrian	
	<i>history (event, available, version,</i>							
	draft 31/10/2000	0 . 0 . 1		<a href="#">get it</a>	<i>remarks - general:</i>			
	draft 17/01/2001	0 . 0 . 3		<a href="#">get it</a>	<i>remarks - this release:</i>		.	
	SP-12 18/06/2001	1 . 0 . 0		<a href="#">get it</a>				NP-010239 (!)
	SP-12 03/07/2001	4 . 0 . 0		<a href="#">get it</a>				SP-010233 (for approval!)

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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>freeze_meeting:</i> SP-11					
	<i>history (event, available, version,</i>					
	SP-11 30/03/2001	4 . 0 . 0				
	SP-12 04/07/2001	4 . 1 . 0		<a href="#">get it</a>	remarks - general:	
	SP-13 03/10/2001	4 . 2 . 0		<a href="#">get it</a>	remarks - this release:	
	SP-14 07/01/2002	4 . 3 . 0		<a href="#">get it</a>		
	SP-16 19/06/2002	4 . 4 . 0		<a href="#">get it</a>		
	SP-18 18/12/2002	4 . 5 . 0		<a href="#">get it</a>		
<hr/>						
<b>TS 33.103</b>	<b>3G security; Integration guidelines</b>					
Rel-4	<i>current version:</i> 4.2.0					
	<i>freeze_meeting:</i> SP-11					
	<i>history (event, available, version,</i>					
	SP-11 11/04/2001	4 . 0 . 0		<a href="#">get it</a>	remarks - general:	
	SP-12 04/07/2001	4 . 1 . 0		<a href="#">get it</a>	remarks - this release: SP-15: Not to be promoted to Rel-5.	
	SP-13 03/10/2001	4 . 2 . 0		<a href="#">get it</a>		
<hr/>						
<b>TS 33.105</b>	<b>Cryptographic Algorithm requirements</b>					
Rel-4	<i>current version:</i> 4.1.0					
	<i>freeze_meeting:</i> SP-11					
	<i>history (event, available, version,</i>					
	SP-11 11/04/2001	4 . 0 . 0		<a href="#">get it</a>	remarks - general:	
	SP-12 04/07/2001	4 . 1 . 0		<a href="#">get it</a>	remarks - this release: 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>freeze_meeting:</i> SP-11					
	<i>history (event, available, version,</i>					
	SP-11 04/04/2001	4 . 0 . 0		<a href="#">get it</a>	remarks - general:	
					remarks - this release:	

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<b>TS 33.107</b>	<b>3G security; Lawful interception architecture and functions</b>					
Rel-4	current version: 4.3.0	WG (prime / other):	S3 / -	rapporteur:	WILHELM, Berthold	BUNDESMINISTERIUM FUR WIRTSCHAFT
	freeze_meeting: SP-11	G:	U: yes	MCC:	POPE, Maurice	
history (event, available, version,						
SP-11	04/04/2001			<a href="#">get it</a>	remarks - general:	
SP-13	03/10/2001			<a href="#">get it</a>	remarks - this release:	
SP-14	07/01/2002			<a href="#">get it</a>		
SP-15	26/03/2002			<a href="#">get it</a>		

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<b>TS 33.120</b>	<b>Security Objectives and Principles</b>					
Rel-4	current version: 4.0.0	WG (prime / other):	S3 / -	rapporteur:	WRIGHT, Tim	Indicate persons who left Company and wait for new One
	freeze_meeting: SP-11	G:	U: yes	MCC:	POPE, Maurice	
history (event, available, version,						
SP-11	10/04/2001			<a href="#">get it</a>	remarks - general:	
					remarks - this release:	SP-15: Not to be promoted to Rel-5.

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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	current version: 4.3.0	WG (prime / other):	S3 / -	rapporteur:	ESCOTT, Adrian	3
	freeze_meeting: SP-12	G:	U: yes	MCC:	POPE, Maurice	
history (event, available, version,						
draft	26/06/2001			<a href="#">get it</a>	remarks - general:	2001-05-24: title grows MAP; see 33.210 for IP equivalent.
SA-12					remarks - this release:	
SP-12	04/07/2001			<a href="#">get it</a>		
SP-13	03/10/2001			<a href="#">get it</a>		
SP-14	07/01/2002			<a href="#">get it</a>		
SP-15	26/03/2002			<a href="#">get it</a>		

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<b>TR 33.901</b>	<b>Criteria for cryptographic Algorithm design process</b>					
Rel-4	current version: 4.0.0	WG (prime / other):	S3 / -	rapporteur:	BLOM, Rolf	Telefon AB LM Ericsson
	freeze_meeting: SP-11	G:	U: yes	MCC:	POPE, Maurice	
history (event, available, version,						
SP-11	03/10/2001			<a href="#">get it</a>	remarks - general:	
					remarks - this release:	SP-15: Not to be promoted to Rel-5.

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**TR 33.902 Formal Analysis of the 3G Authentication Protocol**

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
SP-11 03/10/2001 4 . 0 . 0

*WG (prime / other):* S3 / - *rapporteur:* HORN, Guenther SIEMENS AG  
*G:* *U:* yes *MCC:* POPE, Maurice

[get it](#) *remarks - general:*  
*remarks - this release:* SP-15: Not to be promoted to Rel-5.

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**TR 33.903 Access Security for IP based services**

Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* S3 / - *rapporteur:* VACANT,  
*G:* *U:* yes *MCC:* POPE, Maurice

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

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**TR 33.908 3G Security; General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms**

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
SP-11 03/10/2001 4 . 0 . 0

*WG (prime / other):* S3 / - *rapporteur:* WALKER, Michael VODAFONE Group Plc  
*G:* *U:* yes *MCC:* POPE, Maurice

[get it](#) *remarks - general:* TSG#7: S3-000105=NP-000049  
*remarks - this release:* SP-15: Not to be promoted to Rel-5.

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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  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
SP-11 04/04/2001 4 . 0 . 0  
correct misprint in 23/07/2001 4 . 0 . 1  
spec number

*WG (prime / other):* S3 / - *rapporteur:* WALKER, Michael VODAFONE Group Plc  
*G:* *U:* yes *MCC:* POPE, Maurice

[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)

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

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Server ACTIVE specs Rel-4 34 .- series  
[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:* 4.7.0 *WG (prime / other):* T1 / - *rapporteur:* CHALABI, Nohman ANRITSU LTD  
*freeze\_meeting:* SP-13 *G:* U: yes *MCC:* SULTAN, Alain

*history (event, available, version,*  
TP-13 08/10/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
TP-14 09/01/2002 4 . 1 . 0 [get it](#) *remarks - this release:*  
TP-15 20/03/2002 4 . 2 . 0 [get it](#)  
edito post TP-15 26/03/2002 4 . 2 . 1 [get it](#)  
TP-16 17/06/2002 4 . 3 . 0 [get it](#)  
TP-17 11/09/2002 4 . 4 . 0 [get it](#)  
TP-18 18/12/2002 4 . 5 . 0 [get it](#)  
TP-19 24/03/2003 4 . 6 . 0 [get it](#)  
TP-20 18/06/2003 4 . 7 . 0 [get it](#)

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## TS 34.109 Terminal logical test interface; Special conformance testing functions

Rel-4 *current version:* 4.5.0 *WG (prime / other):* R2 / T1 *rapporteur:* BERGGREN, Anders Ericsson Incorporated  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* ARZELIER, Claude

*history (event, available, version,*  
RP-11 27/03/2001 4 . 0 . 0 [get it](#) *remarks - general:* TSG#7: Will be transferred to RAN2 after approval. TSG#8:txfer is delayed.  
RP-12 19/06/2001 4 . 1 . 0 [get it](#) *remarks - this release:* TSG#9: Stable, so txfered from T1 to R2.  
RP-15 19/03/2002 4 . 2 . 0 [get it](#)  
RP-16 17/06/2002 4 . 3 . 0 [get it](#)  
RP-18 13/01/2003 4 . 4 . 0 [get it](#)  
RP-19 25/03/2003 4 . 5 . 0 [get it](#)

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## TS 34.121 Terminal Conformance Specification, Radio Transmission and Reception (FDD)

Rel-4 *current version:* 4.0.0 *WG (prime / other):* T1 / - *rapporteur:* HIGUCHI, Kenji ADVANTEST Corporation  
*freeze\_meeting:* SP-13 *G:* U: yes *MCC:* SULTAN, Alain

*history (event, available, version,*  
TP-20 17/06/2003 4 . 0 . 0 upgrade sans CR [get it](#) *remarks - general:*  
*remarks - this release:*

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

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**TS 34.122 Terminal Conformance Specification, Radio Transmission and Reception (TDD)**

Rel-4 *current version:* 4.8.0 *WG (prime / other):* T1 / - *rapporteur:* MAUCKSCH, Thomas ROHDE & SCHWARZ GmbH & Co.KG  
*freeze\_meeting:* SP-13 *G:* U: yes *MCC:* SULTAN, Alain

*history (event, available, version,*  
TP-12 03/07/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
TP-13 03/10/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
TP-14 09/01/2002 4 . 2 . 0 [get it](#)  
TP-15 21/03/2002 4 . 3 . 0 [get it](#)  
TP-16 17/06/2002 4 . 4 . 0 [get it](#)  
TP-17 05/09/2002 4 . 5 . 0 [get it](#)  
TP-18 18/12/2002 4 . 6 . 0 [get it](#)  
TP-19 24/03/2003 4 . 7 . 0 [get it](#)  
TP-20 17/06/2003 4 . 8 . 0 [get it](#)

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**TS 34.123-1 User Equipment (UE) conformance specification; Part 1: Protocol conformance specification**

Rel-4 *current version:* 4.3.0 *WG (prime / other):* T1 / - *rapporteur:* SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* SP-13 *G:* U: yes *MCC:* SULTAN, Alain

*history (event, available, version,*  
TP-13 03/10/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
TP-14 09/01/2002 4 . 1 . 0 [get it](#) *remarks - this release:*  
TP-15 20/03/2002 4 . 2 . 0 [get it](#)  
TP-16 19/06/2002 4 . 3 . 0 [get it](#)

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**TS 34.123-2 User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification**

Rel-4 *current version:* 4.3.0 *WG (prime / other):* T1 / - *rapporteur:* HU, Shicheng ETSI Secretariat  
*freeze\_meeting:* SP-13 *G:* U: yes *MCC:* SULTAN, Alain

*history (event, available, version,*  
TP-13 04/10/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
TP-14 09/01/2002 4 . 1 . 0 [get it](#) *remarks - this release:*  
TP-15 21/03/2002 4 . 2 . 0 [get it](#)  
TP-16 19/06/2002 4 . 3 . 0 [get it](#)

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**TS 34.123-3 User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSS)**

Rel-4 *current version:* none *WG (prime / other):* T1 / - *rapporteur:* HU, Shicheng ETSI Secretariat  
*freeze\_meeting:* SP-13 *G:* U: yes *MCC:* SULTAN, Alain

*history (event, available, version,*  
*remarks - general:*  
*remarks - this release:*

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

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**TS 34.124 Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment**

Rel-4 *current version:* 4.2.0 *DRAFT* *WG (prime / other):* R4 / - *rapporteur:* SOERENSEN, Ole NOKIA Corporation  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* GUTIERREZ MIGUELEZ, Cesar  
*history (event, available, version,*  
RP-11 10/04/2001 4 . 0 . 0 [get it](#) *remarks - general:* T1->R4@TSG#10  
RP-18 10/01/2003 4 . 1 . 0 [get it](#) *remarks - this release:*  
RP-19 04/04/2003 4 . 2 . 0 [get it](#)

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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,*  
TP-05 13/10/1999 0 . 0 . 1 [get it](#) *remarks - general:*  
TP-10 09/01/2001 1 . 0 . 0 [get it](#) *remarks - this release:*

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**TR 34.926 Table of international EMC requirements**

Rel-4 *current version:* 4.0.0 *DRAFT* *WG (prime / other):* R4 / - *rapporteur:* FENN, John B SAMSUNG Electronics Research Institute  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* GUTIERREZ MIGUELEZ, Cesar  
*history (event, available, version,*  
TP-09 06/10/2000 1 . 0 . 0 [get it](#) *remarks - general:* Plan approved TSG#7 TP-000036). T1->R4@TSG#10  
RP-10 09/01/2001 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 *DRAFT* *WG (prime / other):* S3 / - *rapporteur:* WALKER, Michael VODAFONE Group Plc  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* POPE, Maurice  
*history (event, available, version,*  
SP-11 28/08/2001 4 . 0 . 0 [get it](#) *remarks - general:* ex SAGE; supplied by ETSI under licence  
SP-14 07/01/2002 4 . 1 . 0 [get it](#) *remarks - this release:*

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

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[http://www.3gpp.org/ftp/Specs/archive/35\\_series](http://www.3gpp.org/ftp/Specs/archive/35_series)

<b>TS 35.202</b>	<b>Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification</b>	Rel-4	current version: 4.0.0 freeze_meeting: SP-11 history (event, available, version, SP-11 28/08/2001 4 . 0 . 0	WG (prime / other): S3 / - G: U: yes	rapporteur: WALKER, Michael MCC: POPE, Maurice	VODAFONE Group Plc	<a href="#">get it</a> remarks - general: ex SAGE; supplied by ETSI under licence remarks - this release:
<b>TS 35.203</b>	<b>Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data</b>	Rel-4	current version: 4.0.0 freeze_meeting: SP-11 history (event, available, version, SP-11 28/08/2001 4 . 0 . 0	WG (prime / other): S3 / - G: U: yes	rapporteur: WALKER, Michael MCC: POPE, Maurice	VODAFONE Group Plc	<a href="#">get it</a> remarks - general: ex SAGE; supplied by ETSI under licence remarks - this release:
<b>TS 35.204</b>	<b>Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data</b>	Rel-4	current version: 4.0.0 freeze_meeting: SP-11 history (event, available, version, SP-11 28/08/2001 4 . 0 . 0	WG (prime / other): S3 / - G: U: yes	rapporteur: WALKER, Michael MCC: POPE, Maurice	VODAFONE Group Plc	<a href="#">get it</a> remarks - general: ex SAGE; supplied by ETSI under licence remarks - this release:
<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*;</b>	Rel-4 VODAFONE Group Plc	current version: 4.0.0 freeze_meeting: SP-11 history (event, available, version, SP-11 09/05/2001 4 . 0 . 0	4.0.0 G: U: yes	WG (prime / other): S3 MCC: POPE, Maurice	rapporteur: WALKER, Michael	<a href="#">get it</a> remarks - general: ex SAGE. 2002-06: clarified that deliverable is TS not TR. remarks - this release: TSG#11:changed to Rel-4.
<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*;</b>	Rel-4 VODAFONE Group Plc	current version: 4.0.0 freeze_meeting: SP-11 history (event, available, version, SP-11 09/05/2001 4 . 0 . 0	4.0.0 G: U: yes	WG (prime / other): S3 MCC: POPE, Maurice	rapporteur: WALKER, Michael	<a href="#">get it</a> remarks - general: ex SAGE remarks - this release: TSG#11:changed to Rel-4

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



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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\*;  
 Rel-4 current version: Document 3: Implementors' test data 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, SP-11 09/05/2001 4 . 0 . 0 [get it](#) remarks - general: ex SAGE  
 remarks - this release: 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\*;  
 Rel-4 current version: Document 4: Design conformance test data 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, SP-11 09/05/2001 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\*;  
 Rel-4 current version: Document 5: Summary and results of design and evaluation 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, SP-11 09/05/2001 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 /- rapporteur: 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, SP-11 10/04/2001 4 . 0 . 0 [get it](#) remarks - general:  
 edito 02/05/2001 4 . 0 . 1 [get it](#) remarks - this release:

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

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[http://www.3gpp.org/ftp/Specs/archive/41\\_series](http://www.3gpp.org/ftp/Specs/archive/41_series)

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<b>TR 41.033</b>	<b>Lawful Interception requirements for GSM</b>					
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> MCKIBBEN, Bernie	MOTOROLA GmbH		
	<i>freeze_meeting:</i> SP-11	G: yes U:	MCC: POPE, Maurice			
	<i>history (event, available, version,</i>					
	SP-11 4 . 0 . 0					<i>remarks - general:</i>
	edito 02/05/2001 4 . 0 . 1					<i>remarks - this release:</i>
						<a href="#">get it</a>
<hr/>						
<b>TS 41.061</b>	<b>General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements</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: yes U:	MCC: POPE, Maurice			
	<i>history (event, available, version,</i>					
	SP-11 10/04/2001 4 . 0 . 0					<i>remarks - general:</i>
						<i>remarks - this release:</i> SP-15: Not to be promoted to Rel-5.
						<a href="#">get it</a>
<hr/>						
<b>TS 41.101</b>	<b>Technical Specifications and Technical Reports for a GERAN-based 3GPP system</b>					
Rel-4	<i>current version:</i> 4.9.0	<i>WG (prime / other):</i> SP /	<i>rapporteur:</i> MEREDITH, John M	ETSI Secretariat		
	<i>freeze_meeting:</i> SP-20	G: yes U:	MCC: POPE, Maurice			
	<i>history (event, available, version,</i>					
	SP-20 25/06/2003 4 . 9 . 0	Created from 41.102 v4.9.0				<i>remarks - general:</i>
						<i>remarks - this release:</i> .
						<a href="#">get it</a>
<hr/>						

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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<b>TS 42.009</b>	<b>Security Aspects</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S3 / S1 /	<i>rapporteur:</i> CHRISTOFFERSSON,	Telia Promotor AB		
	<i>freeze_meeting:</i> SP-11	NP	Per			
	<i>history (event, available, version,</i>	G: yes U:	MCC: POPE, Maurice			
	SP-11 10/04/2001 4 . 0 . 0					<i>remarks - general:</i>
						<i>remarks - this release:</i> SP-15: Not to be promoted to Rel-5.
						<a href="#">get it</a>
<hr/>						

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

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<b>TS 42.017</b>	<b>Subscriber Identity Module (SIM); Functional characteristics</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> T3 / S1	<i>rapporteur:</i> HOOKER, Philip	ORANGE PCS LTD		
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>	<i>MCC:</i> DIETZE, Claus			
	<i>history (event, available, version,</i>					
	TP-11 09/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> 2003-07-15 (Dietze): will not progress to Rel-5, since no SIM device beyond Rel-4.			
<hr/>						
<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	SchlumbergerSema - Schlumberger Systèmes S.A		
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>	<i>MCC:</i> DIETZE, Claus			
	<i>history (event, available, version,</i>					
	TP-12 06/07/2001 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,</i>					
	SP-11 10/04/2001 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,</i>					
	SP-11 02/04/2001 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> GALLIGO, Michel	ALCATEL S.A.		
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	SP-11 02/04/2001 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

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**TS 42.068 Voice Group Call Service (VGCS); Stage 1**

Rel-4 *current version:* 4.1.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
SP-08 23/06/2000 4 . 0 . 0 32,304  
edito 24/10/2000 4 . 0 . 1  
SP-10 08/01/2001 4 . 1 . 0

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

Union Internationale des Chemins de Fer

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

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**TS 42.069 Voice Broadcast Service (VBS); Stage 1**

Rel-4 *current version:* 4.1.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
SP-08 23/06/2000 4 . 0 . 0  
edito 24/10/2000 4 . 0 . 1  
SP-10 08/01/2001 4 . 1 . 0

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

Union Internationale des Chemins de Fer

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[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  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
NP-11 11/04/2001 4 . 0 . 0

*WG (prime / other):* NP / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*G: yes U:* *MCC:* BOSWARTHICK, David

[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  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
NP-10 08/01/2001 4 . 0 . 0  
NP-11 06/04/2001 4 . 1 . 0  
NP-17 17/09/2002 4 . 2 . 0

*WG (prime / other):* N3 / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*G: yes U:* *MCC:* BOSWARTHICK, David

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

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<b>TS 43.013</b>	<b>Discontinuous Reception (DRX) in the GSM 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:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	GP-04 11/04/2001 4 . 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-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> DIETRICH, Christian	SchlumbergerSema - Schlumberger Systèmes S.A	
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> DIETZE, Claus		
	<i>history (event, available, version,</i>				
	TP-11 23/10/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> For test spec, see 51.013.		
	TP-14 17/01/2002 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	TP-16 25/06/2002 4 . 2 . 0	<a href="#">get it</a>			
	TP-17 27/09/2002 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 / GP	<i>rapporteur:</i> GILBERT, Henri	France Telecom	
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> POPE, Maurice		
	<i>history (event, available, version,</i>				
	SP-09 04/11/2000 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,</i>				
	GP-01 10/10/2000 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Moved from SMG3 Jan 2000.		
	edito 24/10/2000 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>		
	GP-02 24/11/2000 4 . 1 . 0	<a href="#">get it</a>			
	edito 30/11/2000 4 . 1 . 1	<a href="#">get it</a>			
	GP-03 15/02/2001 4 . 2 . 0	<a href="#">get it</a>			
	GP-05 05/10/2001 4 . 3 . 0	<a href="#">get it</a>			
	GP-10 19/07/2002 4 . 4 . 0	<a href="#">get it</a>			
	GP-11 19/09/2002 4 . 5 . 0	<a href="#">get it</a>			

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**TR 43.026 Multiband operation of GSM / DCS 1800 by a single operator**

Rel-4 *current version:* 4.0.1  
*freeze\_meeting:* SP-11

*WG (prime / other):* G1 / NP *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version,*  
GP-04 11/04/2001 4 . 0 . 0  
*re-issue as TR* 31/07/2002 4 . 0 . 1  
*(not TS) as per*  
03.26

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

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**TR 43.030 Radio network planning aspects**

Rel-4 *current version:* 4.0.1  
*freeze\_meeting:* SP-11

*WG (prime / other):* G1 / - *rapporteur:* TEGTH, Ulf TeliaSonera AB  
*G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version,*  
GP-01 10/10/2000 4 . 0 . 0  
*some refs revert* 24/10/2000 4 . 0 . 1  
*to pre-Rel-4 GSM*  
*format*

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

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**TS 43.033 Lawful Interception; Stage 2**

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* S3 / - *rapporteur:* MCKIBBEN, Bernie MOTOROLA GmbH  
*G: yes U:* *MCC:* POPE, Maurice

*history (event, available, version,*  
SP-11 10/04/2001 4 . 0 . 0

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

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**TS 43.045 Technical Realization of Facsimile Group 3 Service - transparent**

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* N3 / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*G: yes U:* *MCC:* BOSWARTHICK, David

*history (event, available, version,*  
NP-11 06/04/2001 4 . 0 . 0

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

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**TS 43.050 Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System**

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version,*  
SP-11 10/04/2001 4 . 0 . 0

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

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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-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,</i>					
	GP-04 11/04/2001 4 . 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-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> G1 / G2	<i>rapporteur:</i> CARRIZO MARTINEZ, Jose Luis	VODAFONE Group Plc		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	GP-04 11/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	GP-05 29/06/2001 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	GP-14 25/04/2003 4 . 2 . 0	<a href="#">get it</a>				
	GP-16 12/09/2003 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	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-11 10/04/2001 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> 4.5.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> LIVINGSTON, Margaret	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	GP-02 05/01/2001 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	draft 02/02/2001 1 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release:</i>			
	GP-04 09/05/2001 4 . 0 . 0	<a href="#">get it</a>				
	GP-05 29/06/2001 4 . 1 . 0	<a href="#">get it</a>				
	GP-06 01/10/2001 4 . 2 . 0	<a href="#">get it</a>				
	GP-07 04/01/2002 4 . 3 . 0	<a href="#">get it</a>				
	GP-08 19/02/2002 4 . 4 . 0	<a href="#">get it</a>				
	GP-10 19/07/2002 4 . 5 . 0	<a href="#">get it</a>				

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**TS 43.064 Overall description of the GPRS radio interface; Stage 2**

Rel-4 *current version:* 4.4.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

GP-03	15/02/2001	4	.	0	.	0
GP-04	20/04/2001	4	.	1	.	0
GP-07	04/01/2002	4	.	2	.	0
GP-08	19/02/2002	4	.	3	.	0
GP-14	25/04/2003	4	.	4	.	0

*WG (prime / other):* G1 / - *rapporteur:* LEPPISAARI, Arto NOKIA Corporation  
*G: yes U:* *MCC:* USAI, Paolino

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

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**TS 43.068 Voice Group Call Service (VGCS); Stage 2**

Rel-4 *current version:* 4.2.2  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

NP-08	23/06/2000	4	.	0	.	0
NP-09	12/10/2000	4	.	1	.	0
edito	24/10/2000	4	.	1	.	1
NP-10	02/01/2001	4	.	2	.	0
edito	17/06/2002	4	.	2	.	1
edito	28/06/2002	4	.	2	.	2

*WG (prime / other):* N1 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*G: yes U:* *MCC:* JORGENSEN, Per Johan

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

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**TS 43.069 Voice Broadcast service (VBS); Stage 2**

Rel-4 *current version:* 4.2.2  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

NP-08	23/06/2000	4	.	0	.	0
NP-09	12/10/2000	4	.	1	.	0
edito	28/06/2002	4	.	1	.	1
NP-10	03/01/2001	4	.	2	.	0
edito	06/06/2002	4	.	2	.	1
Note 1 to 9 and Note 2 to 10 in fig. 4	27/06/2002	4	.	2	.	2

*WG (prime / other):* N1 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*G: yes U:* *MCC:* JORGENSEN, Per Johan

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

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**TS 43.073 Support of Localised Service Area (SoLSA); Stage 2**

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-16

*WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*G: yes U:* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*  
SP-16 24/06/2002 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  
*freeze\_meeting:* SP-11

*WG (prime / other):* N1 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
*G: yes U:* *MCC:* JORGENSEN, Per Johan

*history (event, available, version,*  
NP-11 11/04/2001 4 . 0 . 0  
NP-16 20/06/2002 4 . 1 . 0

[get it](#) *remarks - general:*  
[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  
*freeze\_meeting:* GP-04

*WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
*G: yes U:* *MCC:* THOMASEN, Gert

*history (event, available, version,*  
GP-04 04/05/2001 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  
*freeze\_meeting:* GP-04

*WG (prime / other):* G2 / - *rapporteur:* ISAACS, Ken SIEMENS AG  
*G: yes U:* *MCC:* THOMASEN, Gert

*history (event, available, version,*  
GP-04 04/05/2001 4 . 0 . 0  
GP-06 14/09/2001 4 . 1 . 0  
GP-07 08/01/2002 4 . 2 . 0

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

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<b>TS 44.005</b>	<b>Data Link (DL) Layer General Aspects</b>					
Rel-4	current version: 4.0.0 freeze_meeting: GP-04	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S		
	history (event, available, version, GP-04 04/05/2001 4 . 0 . 0	G: yes U:	MCC: THOMASEN, Gert		<a href="#">get it</a> remarks - general: remarks - this release:	
<b>TS 44.006</b>	<b>Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification</b>					
Rel-4	current version: 4.1.0 freeze_meeting: GP-04	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S		
	history (event, available, version, GP-04 04/05/2001 4 . 0 . 0 GP-08 19/02/2002 4 . 1 . 0	G: yes U:	MCC: THOMASEN, Gert		<a href="#">get it</a> remarks - general: <a href="#">get it</a> remarks - this release:	
<b>TS 44.012</b>	<b>Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface</b>					
Rel-4	current version: 4.0.1 freeze_meeting: GP-04	WG (prime / other): G2 / N2	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S		
	history (event, available, version, GP-04 04/05/2001 4 . 0 . 0 edito 17/12/2002 4 . 0 . 1	G: yes U:	MCC: THOMASEN, Gert		<a href="#">get it</a> remarks - general: Rel-4 onwards. (Rel-99 was 24.012) <a href="#">get it</a> remarks - this release: TSG#11: Replaces 24.012 for Rel-4 on.	
<b>TS 44.013</b>	<b>Performance Requirements on Mobile Radio Interface</b>					
Rel-4	current version: 4.1.0 freeze_meeting: SP-11	WG (prime / other): N1 / -	rapporteur: PUDNEY, Chris	VODAFONE Group Plc		
	history (event, available, version, NP-11 11/04/2001 4 . 0 . 0 NP-16 20/06/2002 4 . 1 . 0	G: yes U:	MCC: JORGENSEN, Per Johan		<a href="#">get it</a> remarks - general: <a href="#">get it</a> remarks - this release:	
<b>TS 44.014</b>	<b>Individual equipment type requirements and interworking; Special conformance testing functions</b>					
Rel-4	current version: 4.3.0 freeze_meeting: GP-04	WG (prime / other): G2 / -	rapporteur: HOWELL, Andrew	MOTOROLA Ltd		
	history (event, available, version, GP-04 04/05/2001 4 . 0 . 0 GP-05 18/06/2001 4 . 1 . 0 GP-10 19/07/2002 4 . 2 . 0 GP-15 10/07/2003 4 . 3 . 0	G: yes U:	MCC: THOMASEN, Gert		<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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## TS 44.018 Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol

Rel-4	<i>current version:</i> 4.15.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> HOWELL, Andrew	MOTOROLA Ltd
	<i>freeze_meeting:</i> GP-04	<i>G: yes U:</i>	<i>MCC:</i> THOMASEN, Gert	
<i>history (event, available, version,</i>				
04.18 to 3G	10/08/2000	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
GP-01	11/10/2000	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #32:9.0.0 MCC-converted Aug00:
edito	24/10/2000	4 . 1 . 1	<a href="#">get it</a>	
GP-02	21/12/2000	4 . 2 . 0	<a href="#">get it</a>	
GP-03	31/01/2001	4 . 3 . 0	<a href="#">get it</a>	
GP-04	04/05/2001	4 . 4 . 0	<a href="#">get it</a>	
GP-05	18/06/2001	4 . 5 . 0	<a href="#">get it</a>	
GP-06	10/09/2001	4 . 6 . 0	<a href="#">get it</a>	
GP-07	08/01/2002	4 . 7 . 0	<a href="#">get it</a>	
GP-08	19/02/2002	4 . 8 . 0	<a href="#">get it</a>	
GP-09	02/05/2002	4 . 9 . 0	<a href="#">get it</a>	
edito post	GP-09 28/05/2002	4 . 9 . 1	<a href="#">get it</a>	
GP-10	19/07/2002	4 . 10 . 0	<a href="#">get it</a>	
GP-11	16/09/2002	4 . 11 . 0	<a href="#">get it</a>	
GP-12	17/12/2002	4 . 12 . 0	<a href="#">get it</a>	
GP-13	21/02/2003	4 . 13 . 0	<a href="#">get it</a>	
GP-14	28/04/2003	4 . 14 . 0	<a href="#">get it</a>	
GP-15	10/07/2003	4 . 15 . 0	<a href="#">get it</a>	

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## TS 44.021 Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface

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	<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David	
<i>history (event, available, version,</i>				
NP-10	21/12/2000	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
NP-17	19/09/2002	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>

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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-4	<i>current version:</i> 4.7.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)		
	<i>freeze_meeting:</i> GP-04	<i>G: yes U:</i>	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version,</i>					
	GP-04 04/05/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	GP-05 18/06/2001 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	GP-06 14/09/2001 4 . 2 . 0	<a href="#">get it</a>				
	GP-07 08/01/2002 4 . 3 . 0	<a href="#">get it</a>				
	GP-08 19/02/2002 4 . 4 . 0	<a href="#">get it</a>				
	GP-09 02/05/2002 4 . 5 . 0	<a href="#">get it</a>				
	GP-10 19/07/2002 4 . 6 . 0	<a href="#">get it</a>				
	GP-16 12/09/2003 4 . 7 . 0	<a href="#">get it</a>				

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<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	<i>G: yes U:</i>	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version,</i>					
	GP-04 04/05/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	GP-07 08/01/2002 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			

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<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	<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version,</i>					
	NP-11 11/04/2001 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	<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version,</i>					
	NP-11 11/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			

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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-4	<i>current version:</i> 4.13.0	<i>WG (prime / other):</i> G2 /	<i>rapporteur:</i> BLACK, Jyoti	MOTOROLA	
	<i>freeze_meeting:</i> GP-04	G: yes U:	MCC:	THOMASEN, Gert	
	<i>history (event, available, version,</i>				
	GP-03 31/01/2001	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 04/05/2001	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 18/06/2001	4 . 2 . 0	<a href="#">get it</a>		
	GP-06 14/09/2001	4 . 3 . 0	<a href="#">get it</a>		
	GP-07 09/01/2002	4 . 4 . 0	<a href="#">get it</a>		
	GP-08 19/02/2002	4 . 5 . 0	<a href="#">get it</a>		
	GP-09 03/05/2002	4 . 6 . 0	<a href="#">get it</a>		
edito post	GP-09 28/05/2002	4 . 6 . 1	<a href="#">get it</a>		
	GP-10 19/07/2002	4 . 7 . 0	<a href="#">get it</a>		
	GP-11 16/09/2002	4 . 8 . 0	<a href="#">get it</a>		
	GP-12 17/12/2002	4 . 9 . 0	<a href="#">get it</a>		
	GP-13 21/02/2003	4 . 10 . 0	<a href="#">get it</a>		
	GP-14 29/04/2003	4 . 11 . 0	<a href="#">get it</a>		
	GP-15 10/07/2003	4 . 12 . 0	<a href="#">get it</a>		
	GP-16 13/09/2003	4 . 13 . 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-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:	MCC:	JORGENSEN, Per Johan	
	<i>history (event, available, version,</i>				
	NP-11 11/04/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	NP-12 29/06/2001	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	NP-14 04/01/2002	4 . 2 . 0	<a href="#">get it</a>		
	NP-15 19/03/2002	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 (SNDP)</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:	MCC:	JORGENSEN, Per Johan	
	<i>history (event, available, version,</i>				
	NP-10 02/01/2001	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 02/10/2001	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	NP-15 19/03/2002	4 . 2 . 0	<a href="#">get it</a>		

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## TS 44.068 Group Call Control (GCC) Protocol

Rel-4 *current version:* 4.3.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
conversion to 06/09/2000 4 . 0 . 0  
3GPP format  
NP-09 12/10/2000 4 . 1 . 0  
edito 24/10/2000 4 . 1 . 1  
NP-12 29/06/2001 4 . 2 . 0  
NP-16 19/06/2002 4 . 3 . 0

*WG (prime / other):* N1 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*G: yes U:* *MCC:* JORGENSEN, Per Johan

[get it](#) *remarks - general:*  
*remarks - this release:*  
[get it](#)  
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## TS 44.069 Broadcast Call Control (BCC) protocol

Rel-4 *current version:* 4.3.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
NP-08 23/06/2000 4 . 0 . 0  
NP-09 12/10/2000 4 . 1 . 0  
edito 24/10/2000 4 . 1 . 1  
NP-12 29/06/2001 4 . 2 . 0  
NP-16 19/06/2002 4 . 3 . 0

*WG (prime / other):* N1 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*G: yes U:* *MCC:* JORGENSEN, Per Johan

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*remarks - this release:*  
[get it](#)  
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## TS 44.071 Location Services (LCS); Mobile radio interface layer 3 LCS specification

Rel-4 *current version:* 4.3.0  
*freeze\_meeting:* GP-04  
*history (event, available, version,*  
GP-04 04/05/2001 4 . 0 . 0  
GP-05 18/06/2001 4 . 1 . 0  
GP-07 08/01/2002 4 . 2 . 0  
GP-10 19/07/2002 4 . 3 . 0

*WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
*G: yes U:* *MCC:* THOMASEN, Gert

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*remarks - this release:*  
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Rel-4 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 45.001 Physical layer on the radio path; General description**

Rel-4 *current version:* 4.2.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

GP-01	10/10/2000	4	.	0	.	0
edito	24/10/2000	4	.	0	.	1
GP-07	04/01/2002	4	.	1	.	0
GP-14	25/04/2003	4	.	2	.	0

*WG (prime / other):* G1 / - *rapporteur:* JOKINEN, Harri  
*G: yes U:* *MCC:* USAI, Paolino

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

Rel-4 *current version:* 4.8.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

GP-01	10/10/2000	4	.	0	.	0
edito	24/10/2000	4	.	0	.	1
GP-02	24/11/2000	4	.	1	.	0
edito	30/11/2000	4	.	1	.	1
GP-03	15/01/2001	4	.	2	.	0
edito	27/02/2001	4	.	2	.	1
GP-04	20/04/2001	4	.	3	.	0
GP-06	01/10/2001	4	.	4	.	0
GP-07	04/01/2002	4	.	5	.	0
GP-13	21/02/2003	4	.	6	.	0
GP-14	25/04/2003	4	.	7	.	0
GP-15	11/07/2003	4	.	8	.	0

*WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist  
*G: yes U:* *MCC:* USAI, Paolino

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**TS 45.003 Channel coding**

Rel-4 *current version:* 4.2.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

GP-03	06/02/2001	4	.	0	.	0
GP-07	04/01/2002	4	.	1	.	0
GP-14	25/04/2003	4	.	2	.	0

*WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist  
*G: yes U:* *MCC:* USAI, Paolino

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## TS 45.004 Modulation

Rel-4 *current version:* 4.2.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

GP-04	18/06/2001	4	.	0	.	0
GP-05	29/06/2001	4	.	1	.	0
GP-07	04/01/2002	4	.	2	.	0

*WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist  
*G: yes U:* *MCC:* USAI, Paolino

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

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## TS 45.005 Radio transmission and reception

Rel-4 *current version:* 4.13.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

GP-01	10/10/2000	4	.	0	.	0
edito	24/10/2000	4	.	0	.	1
GP-02	24/11/2000	4	.	1	.	0
edito	30/11/2000	4	.	1	.	1
GP-03	15/02/2001	4	.	2	.	0
GP-04	20/04/2001	4	.	3	.	0
GP-05	29/06/2001	4	.	4	.	0
GP-06	01/10/2001	4	.	5	.	0
GP-07	04/01/2002	4	.	6	.	0
GP-09	06/05/2002	4	.	7	.	0
GP-10	19/07/2002	4	.	8	.	0
GP-11	19/09/2002	4	.	9	.	0
GP-13	21/02/2003	4	.	10	.	0
GP-14	25/04/2003	4	.	11	.	0
GP-15	11/07/2003	4	.	12	.	0
GP-16	12/09/2003	4	.	13	.	0

*WG (prime / other):* G1 / - *rapporteur:* SAMUELSSON, Mats  
*G: yes U:* *MCC:* USAI, Paolino

[get it](#) *remarks - general:*  
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## TS 45.008 Radio subsystem link control

Rel-4 *current version:* 4.12.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* G1 / - *rapporteur:* EL-SAIGH, Amer  
*G: yes U:* *MCC:* USAI, Paolino

VODAFONE Group Plc

GP-01 01/09/2000 4 . 0 . 0  
GP-02 24/11/2000 4 . 1 . 0  
edito 30/11/2000 4 . 1 . 1  
GP-03 15/02/2001 4 . 2 . 0  
GP-04 20/04/2001 4 . 3 . 0  
GP-05 29/06/2001 4 . 4 . 0  
GP-06 01/10/2001 4 . 5 . 0  
GP-07 04/01/2002 4 . 6 . 0  
GP-08 18/02/2002 4 . 7 . 0  
GP-09 06/05/2002 4 . 8 . 0  
GP-10 19/07/2002 4 . 9 . 0  
GP-14 25/04/2003 4 . 10 . 0  
GP-15 11/07/2003 4 . 11 . 0  
GP-16 12/09/2003 4 . 12 . 0

[get it](#) *remarks - general:*  
*remarks - this release:*  
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## TS 45.009 Link adaptation

Rel-4 *current version:* 4.2.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* G1 / - *rapporteur:* ANDERSEN, Niels  
*G: yes U:* *MCC:* USAI, Paolino

MOTOROLA A/S

*history (event, available, version,*  
GP-02 06/02/2001 4 . 0 . 0  
GP-06 01/10/2001 4 . 1 . 0  
GP-07 04/01/2002 4 . 2 . 0

[get it](#) *remarks - general:*  
*remarks - this release:*  
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## TS 45.010 Radio subsystem synchronization

Rel-4 *current version:* 4.5.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* G1 / - *rapporteur:* JOKINEN, Harri  
*G: yes U:* *MCC:* USAI, Paolino

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*history (event, available, version,*  
GP-04 20/04/2001 4 . 0 . 0  
GP-07 04/01/2002 4 . 1 . 0  
GP-08 19/02/2002 4 . 2 . 0  
GP-10 19/07/2002 4 . 3 . 0  
GP-13 21/02/2003 4 . 4 . 0  
GP-16 12/09/2003 4 . 5 . 0

[get it](#) *remarks - general:*  
*remarks - this release:*  
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**TR 45.022 Radio link management in hierarchical networks**

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
GP-04 11/04/2001 4 . 0 . 0

*WG (prime / other):* G1 / - *rapporteur:* VAN BUSSEL, Han  
*G: yes U:* *MCC:* USAI, Paolino

T-MOBILE DEUTSCHLAND

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

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**TR 45.050 Background for RF Requirements**

Rel-4 *current version:* 4.0.1  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
GP-04 11/04/2001 4 . 0 . 0  
make figures 01/08/2001 4 . 0 . 1  
legible

*WG (prime / other):* G1 / - *rapporteur:* ANDERSEN, Niels  
*G: yes U:* *MCC:* USAI, Paolino  
Peter Skov

MOTOROLA A/S

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

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**TS 45.056 CTS-FP Radio Sub-system**

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
GP-04 11/04/2001 4 . 0 . 0

*WG (prime / other):* G1 / - *rapporteur:* USAI, Paolino  
*G: yes U:* *MCC:* USAI, Paolino

TELECOM ITALIA S.p.A.

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*remarks - this release:*

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Rel-4

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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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**TS 46.001 Full Rate Speech Processing Functions**

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
SP-11 10/10/2001 4 . 0 . 0

*WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino  
*G: yes U:* *MCC:* USAI, Paolino

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*remarks - this release:*

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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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-11 10/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			
<hr/>						
<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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-11 10/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			
<hr/>						
<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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-11 10/04/2001 4 . 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-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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-11 10/04/2001 4 . 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-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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-11 10/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-12 29/06/2001 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			

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**TS 46.011 Substitution and Muting of Lost Frames for Full Rate Speech Channels**  
Rel-4 *current version:* 4.0.0 *WG (prime / other):* S4 / - *rapporteur:* NAVARRO, William NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version,*  
SP-11 10/04/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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**TS 46.012 Comfort Noise Aspects for Full Rate Speech Traffic Channels**  
Rel-4 *current version:* 4.1.0 *WG (prime / other):* S4 / - *rapporteur:* SERENO, Daniele TELECOM ITALIA S.p.A.  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version,*  
SP-11 10/04/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
SP-12 29/06/2001 4 . 1 . 0 [get it](#) *remarks - this release:*

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**TS 46.020 Half Rate Speech Transcoding**  
Rel-4 *current version:* 4.0.0 *WG (prime / other):* S4 / - *rapporteur:* AFTELAK, Steve MOTOROLA Ltd  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version,*  
SP-11 10/04/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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**TS 46.021 Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels**  
Rel-4 *current version:* 4.0.0 *WG (prime / other):* S4 / - *rapporteur:* AFTELAK, Steve MOTOROLA Ltd  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version,*  
SP-11 10/04/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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**TS 46.022 Comfort Noise Aspects for Half Rate Speech Traffic Channels**  
Rel-4 *current version:* 4.0.0 *WG (prime / other):* S4 / - *rapporteur:* AFTELAK, Steve MOTOROLA Ltd  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version,*  
SP-11 10/04/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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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:	<i>MCC:</i> USAI, Paolino						
	<i>history (event, available, version,</i> SP-11 10/04/2001 4 . 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-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:	<i>MCC:</i> USAI, Paolino						
	<i>history (event, available, version,</i> SP-11 10/04/2001 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>				
<hr/>									
<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:	<i>MCC:</i> USAI, Paolino						
	<i>history (event, available, version,</i> SP-11 10/04/2001 4 . 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-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:	<i>MCC:</i> USAI, Paolino						
	<i>history (event, available, version,</i> SP-11 10/04/2001 4 . 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-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,</i> SP-11 10/04/2001 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,</i>				
	SP-11 10/04/2001 4 . 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-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,</i>				
	SP-11 10/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i>		
<hr/>					
<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,</i>				
	SP-11 10/04/2001 4 . 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-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,</i>				
	SP-11 10/04/2001 4 . 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-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,</i>				
	SP-11 10/04/2001 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	G: yes U:	<i>MCC:</i> USAI, Paolino			
<i>history (event, available, version,</i>	SP-11 10/04/2001 4 . 0 . 0					
		<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			
<hr/>						
<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	G: yes U:	<i>MCC:</i> USAI, Paolino			
<i>history (event, available, version,</i>	SP-11 10/04/2001 4 . 0 . 0					
	fix invisible 10/01/2002 4 . 0 . 1					
		<a href="#">get it</a>	<i>remarks - general:</i>			
		<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>						
<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	G: yes U:	<i>MCC:</i> USAI, Paolino			
<i>history (event, available, version,</i>	SP-11 10/04/2001 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	G: yes U:	<i>MCC:</i> USAI, Paolino			
<i>history (event, available, version,</i>	SP-11 10/04/2001 4 . 0 . 0					
		<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			
<hr/>						
<b>TR 46.085</b>	<b>Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation</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,</i>	SP-11 10/04/2001 4 . 0 . 0					
		<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			

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**TS 48.001 General Aspects on the BSS-MSC Interface**

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* GP-04

*WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
*G:* yes *U:* *MCC:* THOMASEN, Gert

*history (event, available, version,*  
GP-04 04/05/2001 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  
*freeze\_meeting:* GP-04

*WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
*G:* yes *U:* *MCC:* THOMASEN, Gert

*history (event, available, version,*  
GP-04 04/05/2001 4 . 0 . 0  
GP-05 18/06/2001 4 . 1 . 0  
GP-07 08/01/2002 4 . 2 . 0

Rel-5 CR undone. Effectively reverts  
to 4.0.0

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

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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  
*freeze\_meeting:* GP-04

*WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
*G:* yes *U:* *MCC:* THOMASEN, Gert

*history (event, available, version,*  
GP-04 04/05/2001 4 . 0 . 0

[get it](#) *remarks - general:*  
*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-4 *current version:* 4.0.0  
*freeze\_meeting:* GP-04

*WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
*G:* yes *U:* *MCC:* THOMASEN, Gert

*history (event, available, version,*  
GP-04 04/05/2001 4 . 0 . 0

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

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<b>TS 48.008</b>	<b>Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification</b>				
Rel-4	current version: 4.10.0	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels	MOTOROLA A/S	
	freeze_meeting: GP-04		Peter Skov		
		G: yes U:	MCC: THOMASEN, Gert		
<i>history (event, available, version,</i>					
	08.08 to 3G	11/08/2000	4 . 0 . 0	<a href="#">get it</a>	remarks - general:
	GP-01	11/10/2000	4 . 1 . 0	<a href="#">get it</a>	remarks - this release:
	edito	24/10/2000	4 . 1 . 1	<a href="#">get it</a>	
	GP-02	11/01/2001	4 . 2 . 0	<a href="#">get it</a>	
	GP-03	31/01/2001	4 . 3 . 0	<a href="#">get it</a>	
	GP-04	04/05/2001	4 . 4 . 0	<a href="#">get it</a>	
	GP-06	14/09/2001	4 . 5 . 0	<a href="#">get it</a>	
	GP-07	08/01/2002	4 . 6 . 0	<a href="#">get it</a>	
	GP-08	19/02/2002	4 . 7 . 0	<a href="#">get it</a>	
	GP-10	19/07/2002	4 . 8 . 0	<a href="#">get it</a>	
	GP-15	10/07/2003	4 . 9 . 0	<a href="#">get it</a>	
	GP-16	12/09/2003	4 . 10 . 0	<a href="#">get it</a>	

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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-4	current version: 4.0.0	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels	MOTOROLA A/S	
	freeze_meeting: GP-04		Peter Skov		
		G: yes U:	MCC: THOMASEN, Gert		
<i>history (event, available, version,</i>					
	GP-04	04/05/2001	4 . 0 . 0	<a href="#">get it</a>	remarks - general:
					remarks - this release:

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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	current version: 4.3.0	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels	MOTOROLA A/S	
	freeze_meeting: GP-04		Peter Skov		
		G: yes U:	MCC: THOMASEN, Gert		
<i>history (event, available, version,</i>					
	GP-02	17/11/2000	4 . 0 . 0	<a href="#">get it</a>	remarks - general:
	GP-04	04/05/2001	4 . 1 . 0	<a href="#">get it</a>	remarks - this release:
	edito	07/06/2001	4 . 1 . 1	<a href="#">get it</a>	
	GP-06	14/09/2001	4 . 2 . 0	<a href="#">get it</a>	
	GP-15	10/07/2003	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> 4.5.0			<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> BLACK, Jyoti	MOTOROLA	
	<i>freeze_meeting:</i> GP-04			<i>G: yes U:</i>	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version,</i>						
	GP-02 17/11/2000	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
	GP-03 31/01/2001	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
	GP-04 04/05/2001	4	.	2	.	0	<a href="#">get it</a>
	GP-05 18/06/2001	4	.	3	.	0	<a href="#">get it</a>
	edito 29/06/2001	4	.	3	.	1	<a href="#">get it</a>
	GP-06 10/09/2001	4	.	4	.	0	<a href="#">get it</a>
	GP-09 06/05/2002	4	.	5	.	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			<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David		
	<i>history (event, available, version,</i>						
	NP-11 06/04/2001	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
	NP-17 19/09/2002	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	MOTOROLA A/S	
	<i>freeze_meeting:</i> GP-04			<i>G: yes U:</i>	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version,</i>						
	GP-04 04/05/2001	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
	GP-05 18/06/2001	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	MOTOROLA A/S	
	<i>freeze_meeting:</i> GP-04			<i>G: yes U:</i>	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version,</i>						
	GP-04 04/05/2001	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
	GP-07 08/01/2002	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 Transceiver Station (BSC-BTS) Interface - Interface Principles</b>					
Rel-4	<i>current version:</i> 4.0.1 <i>freeze_meeting:</i> GP-04	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov		MOTOROLA A/S	
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version,</i> GP-04 04/05/2001 4 . 0 . 0 edito 15/05/2001 4 . 0 . 1	<a href="#">get it</a> <i>remarks - general:</i> <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-4	<i>current version:</i> 4.0.0 <i>freeze_meeting:</i> GP-04	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov		MOTOROLA A/S	
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version,</i> GP-04 04/05/2001 4 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i>				
<hr/>						
<b>TS 48.056</b>	<b>Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 2 specification</b>					
Rel-4	<i>current version:</i> 4.0.0 <i>freeze_meeting:</i> GP-04	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov		MOTOROLA A/S	
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version,</i> GP-04 04/05/2001 4 . 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 (BSC-BTS) Interface Layer 3 Specification</b>					
Rel-4	<i>current version:</i> 4.1.0 <i>freeze_meeting:</i> GP-04	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov		MOTOROLA A/S	
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version,</i> GP-04 04/05/2001 4 . 0 . 0 GP-08 19/02/2002 4 . 1 . 0	<a href="#">get it</a> <i>remarks - general:</i> <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

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[http://www.3gpp.org/ftp/Specs/archive/48\\_series](http://www.3gpp.org/ftp/Specs/archive/48_series)

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<b>TS 48.060</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	MOTOROLA A/S		
	<i>freeze_meeting:</i> GP-04		Peter Skov			
		<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	GP-04 04/05/2001 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 28/05/2001 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	GP-08 19/02/2002 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	MOTOROLA A/S		
	<i>freeze_meeting:</i> GP-04		Peter Skov			
		<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	GP-04 04/05/2001 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 19/02/2002 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	editorial pody 20/03/2002 4 . 1 . 1	<a href="#">get it</a>	Cover sheet still shows version 4.0.0 and wrong date.			
	GP-08					

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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	MOTOROLA A/S		
	<i>freeze_meeting:</i> GP-04		Peter Skov			
		<i>G: yes U:</i>	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version,</i>					
	GP-04 04/05/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	GP-06 14/09/2001 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	GP-07 08/01/2002 4 . 2 . 0	<a href="#">get it</a>				
	GP-08 19/02/2002 4 . 3 . 0	<a href="#">get it</a>				
	GP-15 10/07/2003 4 . 4 . 0	<a href="#">get it</a>				

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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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Server ACTIVE specs Rel-4 49 .- series  
[http://www.3gpp.org/ftp/Specs/archive/49\\_series](http://www.3gpp.org/ftp/Specs/archive/49_series)

## TR 49.001 General network interworking scenarios

Rel-4 *current version:* 4.0.1  
*freeze\_meeting:* SP-11

*WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*G: yes U:* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*  
NP-11 04/04/2001 4 . 0 . 0  
correct references 25/06/2002 4 . 0 . 1

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

## TS 49.008 Application of the Base Station System Application Part (BSSAP) on the E-Interface

Rel-4 *current version:* 4.1.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* N1 / - *rapporteur:* FARHOUMAND, Ericsson Incorporated  
Rouzbeh  
*G: yes U:* *MCC:* JORGENSEN, Per Johan

*history (event, available, version,*  
NP-11 11/04/2001 4 . 0 . 0  
draft 17/06/2002 4 . 0 . 1  
NP-19 24/03/2003 4 . 1 . 0

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

## TS 49.031 Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)

Rel-4 *current version:* 4.3.0  
*freeze\_meeting:* GP-04

*WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
*G: yes U:* *MCC:* THOMASEN, Gert

*history (event, available, version,*  
GP-04 04/05/2001 4 . 0 . 0  
edito 03/10/2001 4 . 0 . 1  
GP-06 14/09/2001 4 . 1 . 0  
edito 03/10/2001 4 . 1 . 1  
GP-07 08/01/2002 4 . 2 . 0  
GP-10 19/07/2002 4 . 3 . 0

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

Rel-4 50 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/50\\_series](http://www.3gpp.org/ftp/Specs/archive/50_series)

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

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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,*  
GP-04 11/04/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
edito 01/10/2001 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):* G3ne / S1 / *rapporteur:* HU, Shicheng ETSI Secretariat  
*freeze\_meeting:* SP-11 NP /  
T2 /  
SCP  
*G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
conversion from 01/08/2000 4 . 0 . 1 [get it](#) *remarks - general:* 2001-11-19: G4->G5.  
11.10-1 v9.0.1 *remarks - this release:* #32:9.0.0 MCC-converted Aug00:4.0.1  
edito 24/10/2000 4 . 0 . 2 [get it](#)  
GP-02 01/12/2000 4 . 1 . 0 [get it](#)  
edito to correct 01/12/2000 4 . 1 . 1 [get it](#)  
Release  
edito 17/01/2001 4 . 1 . 2 [get it](#)  
GP-03 22/01/2001 4 . 2 . 0 [get it](#)  
GP-04 11/04/2001 4 . 3 . 0 [get it](#)  
GP-05 05/06/2001 4 . 4 . 0 [get it](#)  
GP-06 31/08/2001 4 . 5 . 0 [get it](#)  
GP-07 09/01/2002 4 . 6 . 0 [get it](#)  
GP-08 26/02/2002 4 . 7 . 0 [get it](#)  
GP-09 03/05/2002 4 . 8 . 0 [get it](#)  
GP-10 19/07/2002 4 . 9 . 0 [get it](#)  
GP-11 20/09/2002 4 . 10 . 0 [get it](#)

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

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Server ACTIVE specs Rel-4 51 .- series  
[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):* G3ne / S1 / *rapporteur:* HU, Shicheng ETSI Secretariat  
*freeze\_meeting:* SP-14 NP /

T2 /  
SCP

G: yes U: MCC: CLAYTON, Michael

*history (event, available, version,*

GP-02		1	.	0	.	0
GP-04	11/04/2001	4	.	0	.	0
GP-05	05/06/2001	4	.	1	.	0
GP-06	31/08/2001	4	.	2	.	0
GP-07	09/01/2002	4	.	3	.	0
GP-07 minor	18/01/2002	4	.	3	.	1
editorial						
GP-08	26/02/2002	4	.	4	.	0
GP-09	29/04/2002	4	.	5	.	0
GP-10	03/07/2002	4	.	6	.	0
GP-11	19/09/2002	4	.	7	.	0

[get it](#) *remarks - general:* 2001-11-19: G4->G5.

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

[get it](#)

[get it](#)

[get it](#)

[get it](#)

[get it](#)

[get it](#)

[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):* G3ne / S1 / *rapporteur:* HU, Shicheng ETSI Secretariat  
*freeze\_meeting:* SP-11 NP /

T2 /  
SCP

G: yes U: MCC: CLAYTON, Michael

*history (event, available, version,*

GP-01	06/09/2000	4	.	0	.	0
edito	24/10/2000	4	.	0	.	1
GP-02	30/11/2000	4	.	1	.	0
GP-05	28/06/2001	4	.	2	.	0
GP-06	14/09/2001	4	.	3	.	0
GP-07	21/01/2002	4	.	4	.	0
GP-08	19/02/2002	4	.	5	.	0
GP-09	29/04/2002	4	.	6	.	0
GP-10	19/07/2002	4	.	7	.	0
GP-14	29/04/2003	4	.	8	.	0

[get it](#) *remarks - general:* 2001-11-19: G4->G5.

[get it](#) *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

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ACTIVE specs Rel-4 51 .- series  
[http://www.3gpp.org/ftp/Specs/archive/51\\_series](http://www.3gpp.org/ftp/Specs/archive/51_series)

Server

## 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 / G3ne	rapporteur: HU, Shicheng	ETSI Secretariat
	freeze_meeting: SP-14		w		
		G: yes	U:	MCC: DIETZE, Claus	
<i>history (event, available, version,</i>					
	TP-14 02/01/2002	0 . 0 . 1	TP-010250; TP17: the previous doc	<a href="#">get it</a>	remarks - general: 2001-11-19: G4->G5. TP-14: may be txferred to T3. TP-17: Withdrawn, because
in fact R99, not Rel-4. TP-20: transferred to T3 (for when Rel-4			turned out to be a sort of draft CR for		remarks - this release: TP-17: Withdrawn, because doc was in fact R99, not Rel-4. 2003-07-15: Dietze doc was
			R99 (11.10-4). 2003-07-15: Dietze		indicates that Rel-4 will eventually be produced, so this Release reinstated (though
			appears!). 2003-07-15: Unwithdrawn - see comments against Rel-4.		existing so-called draft v0.0.1 is still scrapped).
			indicates that a Rel-4 will be required,		
			so this Release reinstated, but this		
			version 0.0.1 remains scrapped.		

## TS 51.011 Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface

Rel-4	current version: 4.8.0	WG (prime / other): T3 / -	rapporteur: GUTHERY, Scott B.	Mobile-Mind Inc.
	freeze_meeting: SP-11	G: yes	U:	MCC: DIETZE, Claus
<i>history (event, available, version,</i>				
	TP-11 09/04/2001	4 . 0 . 0	<a href="#">get it</a>	remarks - general: TP-14: talk of changing title to "Characteristics of the SIM application".
	TP-12 06/07/2001	4 . 1 . 0	<a href="#">get it</a>	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
	TP-13 11/10/2001	4 . 2 . 0	<a href="#">get it</a>	
				to be open. TP-14: settled: there WILL be a Rel-5! TP-16: Rel-5 version
	TP-14 17/01/2002	4 . 3 . 0	<a href="#">get it</a>	
	TP-16 25/06/2002	4 . 4 . 0	<a href="#">get it</a>	
	TP-17 18/09/2002	4 . 5 . 0	<a href="#">get it</a>	
	TP-18 02/01/2003	4 . 6 . 0	<a href="#">get it</a>	
	TP-19 04/04/2003	4 . 7 . 0	<a href="#">get it</a>	
	TP-20 23/06/2003	4 . 8 . 0	<a href="#">get it</a>	

## TS 51.013 Test specification for Subscriber Identity Module (SIM) Application Programming Interface (API) for Java Card

Rel-4	current version: 4.0.1	WG (prime / other): T3 / -	rapporteur: LLOBREGAT, Fernando	OBERTHUR CARD SYSTEMS S.A.
	freeze_meeting: TP-19	G: yes	U:	MCC: DIETZE, Claus
<i>history (event, available, version,</i>				
	TP-16 26/06/2002	1 . 0 . 0	TP-020128	<a href="#">get it</a>
	TP-17 23/09/2002	2 . 0 . 0	TP-020220. Doc has been created	remarks - general: TP-15: New WI approved in TP-020029.
			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.	
	TP-19 04/04/2003	4 . 0 . 0	Created with CR to 11.13 R99	<a href="#">get it</a>
replace Annex E	16/04/2003	4 . 0 . 1		<a href="#">get it</a>
with correct file				

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



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**TS 51.014 Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit**  
Rel-4 *current version:* 4.1.0 *WG (prime / other):* T3 / - *rapporteur:* WOODSEND, Kristian Indicate persons who left Company and wait for new  
*freeze\_meeting:* SP-11 G: yes U: MCC: DIETZE, Claus One

*history (event, available, version,*  
TP-18 02/01/2003 4 . 0 . 0 [get it](#) *remarks - general:*  
TP-19 04/04/2003 4 . 1 . 0 [get it](#) *remarks - this release:* 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 TS 102 223 Rel-4 (via a CR to 11.14 R99).

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**TS 51.021 GSM radio aspects base station system equipment specification**  
Rel-4 *current version:* 4.4.0 *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,*  
GP-07 11/01/2002 4 . 0 . 0 [get it](#) *remarks - general:*  
GP-10 19/07/2002 4 . 1 . 0 [get it](#) *remarks - this release:* .  
GP-12 03/01/2003 4 . 2 . 0 [get it](#)  
GP-13 21/02/2003 4 . 3 . 0 [get it](#)  
GP-15 11/07/2003 4 . 4 . 0 [get it](#)

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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,*  
post-GP-07 23/01/2002 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:* TRUSS, Michael MOTOROLA Ltd  
*freeze\_meeting:* GP-09 G: yes U: MCC: USAI, Paolino

*history (event, available, version,*  
GP-09 06/05/2002 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

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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,*  
SP-13 05/10/2001 4 . 0 . 0 formerly 32.402 [get it](#) *remarks - general:* SP-13: replaces 32.402.  
SP-16 20/06/2002 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 current version: 8.10.0

WG (prime / other): SP / -

rapporteur: MEREDITH, John M

ETSI Secretariat

freeze\_meeting: SP-06

G: yes U:

MCC: POPE, Maurice

history (event, available, version,

draft 01/08/1999 0 . 0 . 0

[get it](#)

remarks - general: post-SP-19: title changed from "GSM Release 1999 Specifications" to cater for

draft 01/08/1999 0 . 0 . 1

[get it](#)

remarks - this release: backwards extension to earlier releases.

mods to draft 01/09/1999 0 . 0 . 2

[get it](#)

more mods 07/09/1999 0 . 0 . 3

[get it](#)

WOME crmts 15/09/1999 0 . 1 . 0

[get it](#)

included

Becomes T2/smg4 21/09/1999 0 . 2 . 0

[get it](#)

responsibility

editorials 01/10/1999 0 . 3 . 0

[get it](#)

draft 04/08/2000 0 . 3 . 0

[get it](#)

align with 21.101 07/10/1999 0 . 4 . 0

[get it](#)

smg-30 11/11/1999 1 . 0 . 0

[get it](#)

align with 21.101 30/11/1999 1 . 1 . 0

Alignment with 21.101: 1.1.0.

[get it](#)

smg-31b 2 . 0 . 0

smg-32 20/06/2000 8 . 0 . 0

[get it](#)

SP-10 04/01/2001 8 . 1 . 0

[get it](#)

SP-12 05/07/2001 8 . 2 . 0

[get it](#)

SP-13 01/10/2001 8 . 3 . 0

[get it](#)

SP-14 03/01/2002 8 . 4 . 0

[get it](#)

SP-15 27/03/2002 8 . 5 . 0

[get it](#)

SP-16 19/06/2002 8 . 6 . 0

[get it](#)

SP-17 18/09/2002 8 . 7 . 0

[get it](#)

SP-18 03/01/2003 8 . 8 . 0

[get it](#)

SP-19 27/03/2003 8 . 9 . 0

[get it](#)

SP-20 25/06/2003 8 . 10 . 0

[get it](#)

## TR 01.04 Abbreviations and acronyms

R99 current version: 8.0.0

WG (prime / other): GP / -

rapporteur: CLAYTON, Michael

EMCOM Ltd

freeze\_meeting: SP-06

G: yes U:

MCC: USAI, Paolino

history (event, available, version,

upgrade to R99 10/05/2000 8 . 0 . 0

[get it](#)

remarks - general:

remarks - this release: .

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**TR 01.31 Fraud Information Gathering System (FIGS); Service requirements; Stage 0**  
R99 *current version:* 8.0.0 *WG (prime / other):* S3 / - *rapporteur:* WRIGHT, Tim Indicate persons who left Company and wait for new  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* POPE, Maurice One  
*history (event, available, version,*  
Upgrade to R99 30/06/2000 8 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TR 01.33 Lawful Interception requirements for GSM**  
R99 *current version:* 8.0.0 *WG (prime / other):* S3 / - *rapporteur:* MCKIBBEN, Bernie MOTOROLA GmbH  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* POPE, Maurice  
*history (event, available, version,*  
Upgrade to R99 30/06/2000 8 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 01.61 General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements**  
R99 *current version:* 8.0.0 *WG (prime / other):* S3 / - *rapporteur:* WALKER, Michael VODAFONE Group Plc  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* POPE, Maurice  
*history (event, available, version,*  
Upgrade to R99 30/06/2000 8 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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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 02.09 Security aspects**  
R99 *current version:* 8.0.1 *WG (prime / other):* S3 / S1 / *rapporteur:* CHRISTOFFERSSON, Telia Promotor AB  
*freeze\_meeting:* SP-06 NP *G: yes U:* *MCC:* Per  
*history (event, available, version,* POPE, Maurice  
Upgrade to R99 30/06/2000 8 . 0 . 0 [get it](#) *remarks - general:*  
ETSI publication 05/06/2001 8 . 0 . 1 [get it](#) *remarks - this release:* .

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Server ACTIVE specs R99 02 .- series  
[http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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<b>TS 02.17</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	G: yes U:	<i>MCC:</i> DIETZE, Claus						
	<i>history (event, available, version,</i>								
	smg-30 11/11/1999 8 . 0 . 0								
		<a href="#">get it</a>	<i>remarks - general:</i>						
			<i>remarks - this release:</i>						
<hr/>									
<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	SchlumbergerSema - Schlumberger Systèmes S.A					
	<i>freeze_meeting:</i> SP-12	G: yes U:	<i>MCC:</i> DIETZE, Claus						
	<i>history (event, available, version,</i>								
	TP-12 01/02/2002 8 . 0 . 0 delayed awaiting 11.14								
		<a href="#">get it</a>	<i>remarks - general:</i> SMG9->T3@#31						
			<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!						
<hr/>									
<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	G: yes U:	<i>MCC:</i> POPE, Maurice						
	<i>history (event, available, version,</i>								
	Upgrade to R99 14/04/2000 8 . 0 . 0								
	ETSI publication 05/06/2001 8 . 0 . 1								
		<a href="#">get it</a>	<i>remarks - general:</i>						
		<a href="#">get it</a>	<i>remarks - this release:</i> .						
<hr/>									
<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	G: yes U:	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version,</i>								
	SP-11 02/05/2001 8 . 0 . 0								
		<a href="#">get it</a>	<i>remarks - general:</i>						
			<i>remarks - this release:</i> TSG#11:R98 upgraded to Rel-4 (42.043) so assume we need a Rel-1999 version						
<hr/>									
<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	G: yes U:	<i>MCC:</i> DIETZE, Claus						
	<i>history (event, available, version,</i>								
	Upgrade to R99 17/05/2000 8 . 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**

R99 *current version:* 8.0.1 *WG (prime / other):* S4 / *rapporteur:* NAVARRO, William NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version,*  
upgrade to R99 16/11/2000 8 . 0 . 0 [get it](#) *remarks - general:* SMG11->S4 at SMG#30  
ETSI publication 20/07/2001 8 . 0 . 1 [get it](#) *remarks - this release:* Nov-00: Created to fill the gap.

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**TS 02.56 GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1**

R99 *current version:* 8.0.1 *WG (prime / other):* S1 / - *rapporteur:* GALLIGO, Michel ALCATEL S.A.  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
Upgrade to R99 01/05/2000 8 . 0 . 0 [get it](#) *remarks - general:*  
ETSI publication 17/10/2000 8 . 0 . 1 [get it](#) *remarks - this release:* .

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**TS 02.68 Voice Group Call Service (VGCS); Stage 1**

R99 *current version:* 8.1.0 *WG (prime / other):* S1 / - *rapporteur:* GILES, Les Union Internationale des Chemins de Fer  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
smg-31 30/11/2000 8 . 0 . 0 [get it](#) *remarks - general:*  
SP-10 12/01/2001 8 . 1 . 0 [get it](#) *remarks - this release:*

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**TS 02.69 Voice Broadcast Service (VBS); Stage 1**

R99 *current version:* 8.1.0 *WG (prime / other):* S1 / - *rapporteur:* GILES, Les Union Internationale des Chemins de Fer  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
Upgrade to R99 10/05/2000 8 . 0 . 0 [get it](#) *remarks - general:*  
ETSI publication 17/10/2000 8 . 0 . 1 [get it](#) *remarks - this release:* . TSG#10:8.1.0  
SP-10 12/01/2001 8 . 1 . 0 [get it](#)

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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,*  
smg-29 2 . 0 . 0 *remarks - general:*  
SP-07 17/03/2000 8 . 0 . 0 [get it](#) *remarks - this release:*  
ETSI publication 30/07/2002 8 . 0 . 1 [get it](#) ETSI publication only - 3GPP use 8.0.0  
(not for 3GPP 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,*  
SP-07 17/03/2000 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,*  
Upgrade to R99 30/06/2000 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,*  
smg-29 30/06/1999 8 . 0 . 0  
NP-06 17/12/1999 8 . 1 . 0  
NP-09 18/10/2000 8 . 2 . 0  
NP-10 21/12/2000 8 . 3 . 0  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)

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**TS 03.13 Discontinuous Reception (DRX) in the GSM System**

R99 *current version:* 8.0.0 *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,*  
Upgrade to R99 29/03/2000 8 . 0 . 0  
[get it](#) *remarks - general:*  
*remarks - this release:* .

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<b>TS 03.19</b>	<b>Subscriber Identity Module Application Programming Interface (SIM API) for Java Card</b>					
R99	current version: 8.5.0	WG (prime / other): T3	/ -	rapporteur: DIETRICH, Christian	SchlumbergerSema - Schlumberger Systèmes S.A	
	freeze_meeting: SP-06	G: yes	U:	MCC: DIETZE, Claus		
	history (event, available, version,					
	Upgrade to R99	27/07/2001	8 . 0 . 0	<a href="#">get it</a>	remarks - general: SMG9->T3@#31	
	TP-11	27/07/2001	8 . 1 . 0	<a href="#">get it</a>	remarks - this release:	
	TP-12	27/07/2001	8 . 2 . 0	<a href="#">get it</a>		
	TP-14	17/01/2002	8 . 3 . 0	<a href="#">get it</a>		
	TP-16	19/06/2002	8 . 4 . 0	<a href="#">get it</a>		
	editorial post	14/08/2002	8 . 4 . 1	<a href="#">get it</a>		
	TP-16					
	TP-17	27/09/2002	8 . 5 . 0	<a href="#">get it</a>		
<hr/>						
<b>TS 03.20</b>	<b>Security-related Network Functions</b>					
R99	current version: 8.1.0	WG (prime / other): S3	/ NP /	rapporteur: NGUYEN NGOC,	France Telecom	
	freeze_meeting: SP-06	G: yes	U:	GP	Sebastien	
	history (event, available, version,			MCC: POPE, Maurice		
	smg-30	24/11/1999	8 . 0 . 0	<a href="#">get it</a>	remarks - general:	
	smg-32	20/06/2000	8 . 1 . 0	<a href="#">get it</a>	remarks - this release:	
<hr/>						
<b>TS 03.22</b>	<b>Functions related to Mobile Station (MS) in idle mode and group receive mode</b>					
R99	current version: 8.7.0	WG (prime / other): G1	/ N1	rapporteur: ANDERSEN, Niels	MOTOROLA A/S	
	freeze_meeting: SP-06	G: yes	U:	Peter Skov		
	history (event, available, version,			MCC: USAI, Paolino		
	smg-29	30/06/1999	8 . 0 . 0	<a href="#">get it</a>	remarks - general: Moved from SMG3 Jan 2000. Moved from G2 Mar 2001. 2001-07: title grows "and	
	smg-30	11/11/1999	8 . 1 . 0	<a href="#">get it</a>	remarks - this release: group receive mode".	
	smg-30b	06/12/1999	8 . 2 . 0	<a href="#">get it</a>		
	smg-31	16/02/2000	8 . 3 . 0	<a href="#">get it</a>		
	GP-03	15/02/2001	8 . 4 . 0	<a href="#">get it</a>		
	GP-05	29/06/2001	8 . 5 . 0	<a href="#">get it</a>		
	GP-10	19/07/2002	8 . 6 . 0	<a href="#">get it</a>		
	GP-11	19/09/2002	8 . 7 . 0	<a href="#">get it</a>		

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## TR 03.26 Multiband operation of GSM/DCS 1800 by a single operator

R99 current version: 8.0.0  
freeze\_meeting: SP-06

WG (prime / other): G1 / NP rapporteur: ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
G: yes U: MCC: USAI, Paolino

history (event, available, version,  
Upgrade to R99 29/03/2000 8 . 0 . 0

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

## TR 03.30 Radio Network Planning Aspects

R99 current version: 8.3.0  
freeze\_meeting: SP-06

WG (prime / other): GP / - rapporteur: TEGTH, Ulf TeliaSonera AB  
G: yes U: MCC: USAI, Paolino

history (event, available, version,  
smg-29 30/06/1999 8 . 0 . 0  
smg-30 11/11/1999 8 . 1 . 0  
smg-30b 06/12/1999 8 . 2 . 0  
smg-31 16/02/2000 8 . 3 . 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  
[get it](#)  
[get it](#)

## TS 03.33 Lawful Interception; Stage 2

R99 current version: 8.1.0  
freeze\_meeting: SP-06

WG (prime / other): S3 / - rapporteur: MCKIBBEN, Bernie MOTOROLA GmbH  
G: yes U: MCC: POPE, Maurice

history (event, available, version,  
Upgrade to R99 30/06/2000 8 . 0 . 0  
SP-10 21/12/2000 8 . 1 . 0

[get it](#) remarks - general:  
[get it](#) remarks - this release: TSG#10:8.1.0

## TS 03.45 Technical Realization of Facsimile Group 3 Service - transparent

R99 current version: 8.0.1  
freeze\_meeting: SP-06

WG (prime / other): N3 / - rapporteur: BOSWARTHICK, David ETSI Secretariat  
G: yes U: MCC: BOSWARTHICK, David

history (event, available, version,  
smg-29 30/06/1999 8 . 0 . 0  
ETSI publication 30/10/2001 8 . 0 . 1

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

## TS 03.46 Technical Realization of Facsimile Group 3 Service - non transparent

R99 current version: 8.0.1  
freeze\_meeting: SP-06

WG (prime / other): N3 / - rapporteur: BOSWARTHICK, David ETSI Secretariat  
G: yes U: MCC: BOSWARTHICK, David

history (event, available, version,  
NP-06 17/12/1999 8 . 0 . 0 (source Klehn)  
ETSI publication 8 . 0 . 1 ETSI format only. Not for 3GPP use.

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

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## TS 03.48 Security mechanisms for SIM application toolkit; Stage 2

R99 *current version:* 8.8.0  
*freeze\_meeting:* SP-06

*WG (prime / other):* T3 / - *rapporteur:* BARNES, Nigel  
*G: yes U:* *MCC:* DIETZE, Claus

MOTOROLA Ltd

*history (event, available, version,*  
smg-29 30/06/1999 8 . 0 . 0  
smg-30 11/11/1999 8 . 1 . 0  
smg-31 16/02/2000 8 . 2 . 0  
TP-08 28/06/2000 8 . 3 . 0  
TP-09 18/10/2000 8 . 4 . 0  
TP-11 09/04/2001 8 . 5 . 0  
TP-12 06/07/2001 8 . 6 . 0  
TP-13 12/10/2001 8 . 7 . 0  
TP-14 17/01/2002 8 . 8 . 0

[get it](#) *remarks - general:* SMG9->T3@#31  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

## TS 03.50 Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System

R99 *current version:* 8.1.1  
*freeze\_meeting:* SP-06

*WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino  
*G: yes U:* *MCC:* USAI, Paolino

TELECOM ITALIA S.p.A.

*history (event, available, version,*  
Upgrade to R99 29/03/2000 8 . 0 . 0  
ETSI publication 22/09/2000 8 . 0 . 1  
smg-32 20/06/2000 8 . 1 . 0  
ETSI publication 29/11/2000 8 . 1 . 1

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #32:8.1.0  
[get it](#)  
[get it](#)

## TS 03.52 Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2

R99 *current version:* 8.0.1  
*freeze\_meeting:* SP-06

*WG (prime / other):* G1 / - *rapporteur:* GIRAUD, Alexis  
*G: yes U:* *MCC:* USAI, Paolino

ALCATEL S.A.

*history (event, available, version,*  
Upgrade to R99 29/03/2000 8 . 0 . 0  
ETSI publication 29/09/2000 8 . 0 . 1

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

## TS 03.53 Tandem Free Operation (TFO); Service description; Stage 2

R99 *current version:* 8.0.0  
*freeze\_meeting:* SP-06

*WG (prime / other):* S4 / NP / S2 *rapporteur:* FAUCONNIER, Denis  
*G: yes U:* *MCC:* USAI, Paolino

NORTEL NETWORKS (EUROPE)

*history (event, available, version,*  
Upgrade to R99 30/03/2000 8 . 0 . 0

[get it](#) *remarks - general:* Mar00: prime responsibility txfrd to SMG11  
*remarks - this release:* .

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**TS 03.55 Dual Transfer Mode (DTM); Stage 2**  
R99 *current version:* 8.1.0 *freeze\_meeting:* SP-06  
*history (event, available, version,*  
GP-02 05/01/2001 8 . 0 . 0  
GP-16 12/09/2003 8 . 1 . 0

*WG (prime / other):* G1 / G2 *rapporteur:* CARRIZO MARTINEZ, VODAFONE Group Plc  
Jose Luis  
*G: yes U:* *MCC:* USAI, Paolino

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* GERAN#2: 8.0.0

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**TR 03.58 Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)**  
R99 *current version:* 8.0.0 *freeze\_meeting:* SP-06  
*history (event, available, version,*  
Upgrade to R99 30/03/2000 8 . 0 . 0

*WG (prime / other):* S4 / - *rapporteur:* MONFORT, Jean-Yves France Telecom  
*G: yes U:* *MCC:* USAI, Paolino

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

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**TS 03.64 General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2**  
R99 *current version:* 8.11.0 *freeze\_meeting:* SP-06  
*history (event, available, version,*  
smg-29 30/06/1999 8 . 0 . 0  
smg-30 11/11/1999 8 . 1 . 0  
smg-30b 06/12/1999 8 . 2 . 0  
smg-31 16/02/2000 8 . 3 . 0  
smg-31b 17/04/2000 8 . 4 . 0  
smg-32 20/06/2000 8 . 5 . 0  
GP-01 09/10/2000 8 . 6 . 0  
GP-03 15/02/2001 8 . 7 . 0  
GP-04 20/04/2001 8 . 8 . 0  
GP-07 04/01/2002 8 . 9 . 0  
GP-08 19/02/2002 8 . 10 . 0  
GP-14 25/04/2003 8 . 11 . 0

*WG (prime / other):* G1 / - *rapporteur:* LEPPISAARI, Arto NOKIA Corporation  
*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

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<b>TS 03.68</b>	<b>Voice Group Call Service (VGCS); Stage 2</b>								
R99	current version: 8.2.0	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,								
	smg-31 16/02/2000	8	.	0	.	0	<a href="#">get it</a>	remarks - general:	
	NP-07 17/03/2000	8	.	1	.	0	<a href="#">get it</a>	remarks - this release: #31: 8.0.0 TSG#7: 8.1.0 #32:8.2.0 TSG#8:8.2.0	
	smg-32 20/06/2000	8	.	2	.	0	<a href="#">get it</a>		
<hr/>									
<b>TS 03.69</b>	<b>Voice Broadcast service (VBS); Stage 2</b>								
R99	current version: 8.2.0	WG (prime / other):	N1 / -	rapporteur:	MÜNNING, Dirk	DETECON GMBH			
	freeze_meeting: SP-06	G: yes	U:	MCC:	JORGENSEN, Per Johan				
	history (event, available, version,								
	smg-31 16/02/2000	8	.	0	.	0	<a href="#">get it</a>	remarks - general:	
	NP-07 17/03/2000	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 20/06/2000	8	.	2	.	0	<a href="#">get it</a>		
<hr/>									
<b>TS 03.71</b>	<b>Location Services (LCS); Functional description; Stage 2</b>								
R99	current version: 8.7.0	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,								
	Upgrade to R99 30/06/2000	8	.	0	.	0	<a href="#">get it</a>	remarks - general:	
	SP-11 11/04/2001	8	.	1	.	0	<a href="#">get it</a>	remarks - this release: Need identified at TSG#7, since 23.171 does not cover GSM.	
	SP-12 29/06/2001	8	.	2	.	0	<a href="#">get it</a>		
	SP-13 15/10/2001	8	.	3	.	0	<a href="#">get it</a>		
	SP-14 07/01/2002	8	.	4	.	0	<a href="#">get it</a>		
	SP-15 02/04/2002	8	.	5	.	0	<a href="#">get it</a>		
	SP-16 17/06/2002	8	.	6	.	0	<a href="#">get it</a>		
	SP-17 24/09/2002	8	.	7	.	0	<a href="#">get it</a>		
<hr/>									
<b>TS 03.73</b>	<b>Support of Localised Service Area (SoLSA); Stage 2</b>								
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,								
	SP-16 24/06/2002	8	.	0	.	0	<a href="#">get it</a>	remarks - general: 2001-10-11: S2->N4 to align with ownership of 23.073.	
								remarks - this release: SP-16: 23.073 reverts to GERAN-only.	

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

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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 MOTOROLA A/S  
*freeze\_meeting:* SP-06 Peter Skov  
*G:* yes *U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version,*  
smg-31 16/02/2000 8 . 0 . 0  
[get it](#) *remarks - general:*  
*remarks - this release:* #31: 8.0.0

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**TS 04.03 Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities**

R99 *current version:* 8.0.2 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* SP-06 Peter Skov  
*G:* yes *U:* *MCC:* THOMASEN, Gert  
*history (event, available, version,*  
smg-30 11/11/1999 8 . 0 . 0  
ETSI publication 07/09/2001 8 . 0 . 1  
edito 17/06/2002 8 . 0 . 2  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)

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**TS 04.04 Layer 1 - General Requirements**

R99 *current version:* 8.1.2 *WG (prime / other):* G2 / - *rapporteur:* ISAACS, Ken SIEMENS AG  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* THOMASEN, Gert  
*history (event, available, version,*  
smg-30 11/11/1999 8 . 0 . 0  
smg-30b 06/12/1999 8 . 1 . 0  
ETSI publication 07/09/2001 8 . 1 . 1  
edito 17/06/2002 8 . 1 . 2  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)

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**TS 04.05 Data Link (DL) Layer General Aspects**

R99 *current version:* 8.0.2 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* SP-06 Peter Skov  
*G:* yes *U:* *MCC:* THOMASEN, Gert  
*history (event, available, version,*  
Upgrade to R99 30/03/2000 8 . 0 . 0  
ETSI publication 22/09/2000 8 . 0 . 1  
edito 17/06/2002 8 . 0 . 2  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* .  
[get it](#)

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<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>freeze_meeting:</i> SP-06	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version,</i>				
	Upgrade to R99 30/03/2000 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI publication 29/09/2000 8 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>		
	GP-03 31/01/2001 8 . 1 . 0	<a href="#">get it</a>			
	edito 31/01/2001 8 . 1 . 1	<a href="#">get it</a>			
	GP-08 19/02/2002 8 . 2 . 0	<a href="#">get it</a>			
	edito 17/06/2002 8 . 2 . 1	<a href="#">get it</a>			
<hr/>					
<b>TS 04.08</b>	<b>Mobile radio interface layer 3 specification</b>				
R99	<i>current version:</i> 8.0.0 <i>freeze_meeting:</i> SP-06	<i>WG (prime / other):</i> N1 / G2	<i>rapporteur:</i> HOWELL, Andrew	MOTOROLA Ltd	
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version,</i>				
	smg-29 30/06/2000 8 . 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		
			<i>remarks - this release:</i> #29: 8.0.0 but this should not have been created! (24.008 instead). NP-13: 04.09		
			Thomassen (even numbered CRs!)		
			R99 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 (SMSCB) Support on the Mobile Radio Interface</b>				
R99	<i>current version:</i> 8.0.0 <i>freeze_meeting:</i> GP-04	<i>WG (prime / other):</i> G2 / T2	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version,</i>				
	GP-04 24/04/2001 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i> Replaces 24.012 R99.		
<hr/>					
<b>TS 04.13</b>	<b>Performance Requirements on Mobile Radio Interface</b>				
R99	<i>current version:</i> 8.0.1 <i>freeze_meeting:</i> SP-06	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> PUDNEY, Chris	VODAFONE Group Plc	
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version,</i>				
	smg-31 16/02/2000 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI publication 29/08/2000 8 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #31: 8.0.0		

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## TS 04.14 Individual equipment type requirements and interworking; Special conformance testing functions

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,*

Upgrade to R99	30/03/2000	8	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-32	20/06/2000	8	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
GP-04	24/04/2001	8	.	2	.	0	<a href="#">get it</a>	
GP-05	18/06/2001	8	.	3	.	0	<a href="#">get it</a>	
GP-10	19/07/2002	8	.	4	.	0	<a href="#">get it</a>	
GP-15	10/07/2003	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:* 8.19.0 *WG (prime / other):* G2 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* THOMASEN, Gert

*history (event, available, version,*

smg-29	30/06/1999	8	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-30	11/11/1999	8	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
smg-30b	06/12/1999	8	.	2	.	0	<a href="#">get it</a>	
smg-31	16/02/2000	8	.	3	.	0	<a href="#">get it</a>	
ETSI publication	05/10/2000	8	.	3	.	1	<a href="#">get it</a>	
smg-31b	17/04/2000	8	.	4	.	0	<a href="#">get it</a>	
ETSI publication	17/10/2000	8	.	4	.	1	<a href="#">get it</a>	
smg-32	20/06/2000	8	.	5	.	0	<a href="#">get it</a>	
GP-01	11/10/2000	8	.	6	.	0	<a href="#">get it</a>	
GP-02	21/12/2000	8	.	7	.	0	<a href="#">get it</a>	
GP-03	31/01/2001	8	.	8	.	0	<a href="#">get it</a>	
GP-04	04/05/2001	8	.	9	.	0	<a href="#">get it</a>	
GP-05	18/06/2001	8	.	10	.	0	<a href="#">get it</a>	
GP-06	10/09/2001	8	.	11	.	0	<a href="#">get it</a>	
GP-07	08/01/2002	8	.	12	.	0	<a href="#">get it</a>	
GP-08	19/02/2002	8	.	13	.	0	<a href="#">get it</a>	
GP-09	02/05/2002	8	.	14	.	0	<a href="#">get it</a>	
GP-10	19/07/2002	8	.	15	.	0	<a href="#">get it</a>	
GP-11	16/09/2002	8	.	16	.	0	<a href="#">get it</a>	
GP-12	17/12/2002	8	.	17	.	0	<a href="#">get it</a>	
GP-13	21/02/2003	8	.	18	.	0	<a href="#">get it</a>	
GP-15	10/07/2003	8	.	19	.	0	<a href="#">get it</a>	

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## TS 04.21 Rate Adaption on the Mobile Station - Base Station System (MSBSS) 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,*  
smg-29 30/06/1999 8 . 0 . 0 [get it](#) *remarks - general:*  
NP-08 28/06/2000 8 . 1 . 0 [get it](#) *remarks - this release: #29: 8.0.0 TSG#8:8.1.0 TSG#9:8.2.0 TSG#10:8.3.0*  
NP-09 18/10/2000 8 . 2 . 0 [get it](#)  
NP-10 21/12/2000 8 . 3 . 0 [get it](#)

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## TS 04.31 Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)

R99 *current version:* 8.11.0 *WG (prime / other):* G2 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* THOMASEN, Gert  
*history (event, available, version,*  
Upgrade to R99 30/03/2000 8 . 0 . 0 [get it](#) *remarks - general:*  
smg-31b 17/04/2000 8 . 1 . 0 [get it](#) *remarks - this release:*  
GP-02 30/11/2000 8 . 2 . 0 [get it](#)  
GP-03 31/01/2001 8 . 3 . 0 [get it](#)  
GP-04 04/05/2001 8 . 4 . 0 [get it](#)  
GP-05 18/06/2001 8 . 5 . 0 [get it](#)  
GP-06 14/09/2001 8 . 6 . 0 [get it](#)  
GP-07 08/01/2002 8 . 7 . 0 [get it](#)  
GP-08 19/02/2002 8 . 8 . 0 [get it](#)  
GP-09 02/05/2002 8 . 9 . 0 [get it](#)  
GP-10 19/07/2002 8 . 10 . 0 [get it](#)  
GP-16 12/09/2003 8 . 11 . 0 [get it](#)

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## TS 04.35 Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods

R99 *current version:* 8.4.1 *WG (prime / other):* G2 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* THOMASEN, Gert  
*history (event, available, version,*  
Upgrade to R99 30/03/2000 8 . 0 . 0 [get it](#) *remarks - general:*  
smg-31b 17/04/2000 8 . 1 . 0 [get it](#) *remarks - this release:*  
GP-01 11/10/2000 8 . 2 . 0 [get it](#)  
GP-03 31/01/2001 8 . 3 . 0 [get it](#)  
GP-07 08/01/2002 8 . 4 . 0 [get it](#)  
edito 17/06/2002 8 . 4 . 1 [get it](#)

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**TS 04.56 GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification**

R99 *current version:* 8.0.1 *WG (prime / other):* N1 / - *rapporteur:* HUPPERICH, Peter ALCATEL S.A.  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version,*  
smg-31 16/02/2000 8 . 0 . 0 [get it](#) *remarks - general:*  
ETSI publication 29/08/2000 8 . 0 . 1 [get it](#) *remarks - this release:* #31: 8.0.0

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**TS 04.57 GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification**

R99 *current version:* 8.0.1 *WG (prime / other):* N1 / - *rapporteur:* HUPPERICH, Peter ALCATEL S.A.  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version,*  
smg-31 16/02/2000 8 . 0 . 0 [get it](#) *remarks - general:*  
ETSI publication 29/08/2000 8 . 0 . 1 [get it](#) *remarks - this release:* #31: 8.0.0

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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: 8.20.0 WG (prime / other): G2 / - rapporteur: BLACK, Jyoti MOTOROLA  
freeze\_meeting: SP-06 G: yes U: MCC: THOMASEN, Gert

history (event, available, version,

smg-29	30/06/1999	8	.	0	.	0	<a href="#">get it</a>	remarks - general:	
smg-30	11/11/1999	8	.	1	.	0	<a href="#">get it</a>	remarks - this release:	
smg-30b	06/12/1999	8	.	2	.	0	<a href="#">get it</a>		
smg-31	16/02/2000	8	.	3	.	0	<a href="#">get it</a>		
ETSI publication	05/10/2000	8	.	3	.	1	<a href="#">get it</a>		
smg-31b	17/04/2000	8	.	4	.	0	<a href="#">get it</a>		
ETSI publication	17/10/2000	8	.	4	.	1	<a href="#">get it</a>		
smg-32	20/06/2000	8	.	5	.	0	<a href="#">get it</a>		
GP-01	11/10/2000	8	.	6	.	0	<a href="#">get it</a>		
GP-02	27/11/2000	8	.	7	.	0	<a href="#">get it</a>		
GP-03	31/01/2001	8	.	8	.	0	<a href="#">get it</a>		
GP-04	04/05/2001	8	.	9	.	0	<a href="#">get it</a>		
GP-05	29/06/2001	8	.	10	.	0	<a href="#">get it</a>		
GP-06	14/09/2001	8	.	11	.	0	<a href="#">get it</a>		
GP-07	07/01/2002	8	.	12	.	0	<a href="#">get it</a>		
edito	08/01/2002	8	.	12	.	1	<a href="#">get it</a>		
GP-08	19/02/2002	8	.	13	.	0	<a href="#">get it</a>		
GP-09	03/05/2002	8	.	14	.	0	<a href="#">get it</a>		
edito post	GP-09	28/05/2002	8	.	14	.	1	<a href="#">get it</a>	
GP-10	19/07/2002	8	.	15	.	0	<a href="#">get it</a>		
GP-11	16/09/2002	8	.	16	.	0	<a href="#">get it</a>		
GP-12	17/12/2002	8	.	17	.	0	<a href="#">get it</a>		
GP-14	25/04/2003	8	.	18	.	0	<a href="#">get it</a>		
GP-15	10/07/2003	8	.	19	.	0	<a href="#">get it</a>		
GP-16	13/09/2003	8	.	20	.	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	<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version,</i>				
	smg-29 30/06/1999 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-30 11/11/1999 8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
Post SP-06	17/12/1999 8 . 2 . 0	<a href="#">get it</a>			
smg-31	16/02/2000 8 . 3 . 0	<a href="#">get it</a>			
NP-08	22/06/2000 8 . 4 . 0	<a href="#">get it</a>			
NP-09	12/10/2000 8 . 5 . 0	<a href="#">get it</a>			
NP-10	02/01/2001 8 . 6 . 0	<a href="#">get it</a>			
NP-14	04/01/2002 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	<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version,</i>				
	smg-31 16/02/2000 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	24.065 existed, but scrapped since 04.65 is GSM only.	
	NP-09 12/10/2000 8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-13 02/10/2001 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	<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version,</i>				
	smg-31 16/02/2000 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-07 17/03/2000 8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		

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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	<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version,</i>				
	smg-31 16/02/2000 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-07 17/03/2000 8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		

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**TS 04.71 Location Services (LCS); Mobile radio interface layer 3 specification**

R99  
current version: 8.4.0  
freeze\_meeting: SP-06

WG (prime / other): G2 / - rapporteur: ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
G: yes U: MCC: THOMASEN, Gert

history (event, available, version,

Upgrade to R99	30/06/2000	8	.	0	.	0
smg-31	20/03/2000	8	.	1	.	0
GP-05	18/06/2001	8	.	2	.	0
GP-07	08/01/2002	8	.	3	.	0
edito	17/06/2002	8	.	3	.	1
GP-10	19/07/2002	8	.	4	.	0

[get it](#) remarks - general: Was SMG2 till TSG#6; MCC expt changed from Al Bakri Jan 2000.  
[get it](#) remarks - this release:  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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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 05.01 Physical Layer on the Radio Path (General Description)**

R99  
current version: 8.7.0  
freeze\_meeting: SP-06

WG (prime / other): G1 / - rapporteur: JOKINEN, Harri NOKIA MOBILE PHONES  
USAI, Paolino  
G: yes U: MCC:

history (event, available, version,

smg-29	30/06/1999	8	.	0	.	0
smg-30	11/11/1999	8	.	1	.	0
smg-30b	06/12/1999	8	.	2	.	0
smg-31	16/02/2000	8	.	3	.	0
smg-32	20/06/2000	8	.	4	.	0
GP-01	09/10/2000	8	.	5	.	0
GP-07	04/01/2002	8	.	6	.	0
GP-14	25/04/2003	8	.	7	.	0

[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

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Server ACTIVE specs R99 05 .- series  
[http://www.3gpp.org/ftp/Specs/archive/05\\_series](http://www.3gpp.org/ftp/Specs/archive/05_series)

## TS 05.02 Multiplexing and Multiple Access on the Radio Path

R99 current version: 8.11.0

freeze\_meeting: SP-06

history (event, available, version,

smg-29	30/06/1999	8	.	0	.	1
smg-30	11/11/1999	8	.	1	.	0
smg-30b	06/12/1999	8	.	2	.	0
smg-31	16/02/2000	8	.	3	.	0
smg-31b	17/04/2000	8	.	4	.	0
ETSI publication	24/10/2000	8	.	4	.	1
smg-32	20/06/2000	8	.	5	.	0
ETSI publication	22/08/2003	8	.	5	.	1
GP-01	09/10/2000	8	.	6	.	0
GP-02	24/11/2000	8	.	7	.	0
GP-03	15/02/2001	8	.	8	.	0
GP-04	20/04/2001	8	.	9	.	0
GP-06	01/10/2001	8	.	10	.	0
GP-15	11/07/2003	8	.	11	.	0

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

G: yes U: MCC: USAI, Paolino

NOKIA Corporation

[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

history (event, available, version,

smg-29	30/06/1999	8	.	0	.	0
smg-30	11/11/1999	8	.	1	.	0
smg-30b	06/12/1999	8	.	2	.	0
smg-31	16/02/2000	8	.	3	.	0
smg-31b	17/04/2000	8	.	4	.	0
ETSI publication	17/10/2000	8	.	4	.	1
smg-32	20/06/2000	8	.	5	.	0
ETSI publication	22/08/2003	8	.	5	.	1
GP-02	24/11/2000	8	.	6	.	0
edito	15/02/2001	8	.	6	.	1
GP-14	25/04/2003	8	.	7	.	0

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

G: yes U: MCC: USAI, Paolino

NOKIA Corporation

[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  
*history (event, available, version,*

*WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist NOKIA Corporation  
*G: yes U:* *MCC:* USAI, Paolino

smg-28	12/02/1999	8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-30b	06/12/1999	8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
edito	02/12/2000	8 . 1 . 1	<a href="#">get it</a>	
ETSI publication	21/02/2001	8 . 1 . 2	<a href="#">get it</a>	
GP-03	15/02/2001	8 . 2 . 0	<a href="#">get it</a>	
GP-05	29/06/2001	8 . 3 . 0	<a href="#">get it</a>	
GP-07	04/01/2002	8 . 4 . 0	<a href="#">get it</a>	

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## TS 05.05 Radio Transmission and Reception

R99 *current version:* 8.16.0  
*freeze\_meeting:* SP-06  
*history (event, available, version,*

*WG (prime / other):* G1 / - *rapporteur:* SAMUELSSON, Mats  
*G: yes U:* *MCC:* USAI, Paolino

smg-29	30/06/1999	8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-30	11/11/1999	8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
smg-30b	06/12/1999	8 . 2 . 0	<a href="#">get it</a>	
smg-31	16/02/2000	8 . 3 . 0	<a href="#">get it</a>	
ETSI publication	29/09/2000	8 . 3 . 1	<a href="#">get it</a>	
smg-31b	17/04/2000	8 . 4 . 0	<a href="#">get it</a>	
ETSI publication	22/08/2003	8 . 4 . 1	<a href="#">get it</a>	
smg-32	20/06/2000	8 . 5 . 0	<a href="#">get it</a>	
ETSI publication	22/08/2003	8 . 5 . 1	<a href="#">get it</a>	
GP-01	10/10/2000	8 . 6 . 0	<a href="#">get it</a>	
GP-02	24/11/2000	8 . 7 . 0	<a href="#">get it</a>	
edito	30/11/2000	8 . 7 . 1	<a href="#">get it</a>	
GP-03	15/02/2001	8 . 8 . 0	<a href="#">get it</a>	
GP-04	20/04/2001	8 . 9 . 0	<a href="#">get it</a>	
GP-05	29/06/2001	8 . 10 . 0	<a href="#">get it</a>	
GP-06	01/10/2001	8 . 11 . 0	<a href="#">get it</a>	
GP-09	06/05/2002	8 . 12 . 0	<a href="#">get it</a>	
GP-10	19/07/2002	8 . 13 . 0	<a href="#">get it</a>	
GP-11	19/09/2002	8 . 14 . 0	<a href="#">get it</a>	
GP-14	25/04/2003	8 . 15 . 0	<a href="#">get it</a>	
GP-16	12/09/2003	8 . 16 . 0	<a href="#">get it</a>	

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## TS 05.08 Radio Subsystem Link Control

R99 current version: 8.18.0

freeze\_meeting: SP-06

history (event, available, version,

smg-29	30/06/1999	8	.	0	.	0
smg-30	11/11/1999	8	.	1	.	0
smg-30b	06/12/1999	8	.	2	.	0
smg-31	16/02/2000	8	.	3	.	0
smg-31b	17/04/2000	8	.	4	.	0
smg-32	20/06/2000	8	.	5	.	0
GP-01	10/10/2000	8	.	6	.	0
GP-02	24/11/2000	8	.	7	.	0
edito	30/11/2000	8	.	7	.	1
GP-03	15/02/2001	8	.	8	.	0
GP-04	20/04/2001	8	.	9	.	0
GP-05	29/06/2001	8	.	10	.	0
GP-06	01/10/2001	8	.	11	.	0
GP-07	04/01/2002	8	.	12	.	0
GP-08	19/02/2002	8	.	13	.	0
GP-09	06/05/2002	8	.	14	.	0
GP-10	19/07/2002	8	.	15	.	0
GP-14	25/04/2003	8	.	16	.	0
GP-15	11/07/2003	8	.	17	.	0
GP-16	12/09/2003	8	.	18	.	0

WG (prime / other): G1 / - rapporteur: EL-SAIGH, Amer  
G: yes U: MCC: USAI, Paolino

VODAFONE Group Plc

[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

history (event, available, version,

smg-31	16/02/2000	8	.	0	.	0
ETSI publication	05/10/2000	8	.	0	.	1
smg-32	20/06/2000	8	.	1	.	0
GP-02	24/11/2000	8	.	2	.	0
GP-03	15/01/2001	8	.	3	.	0
GP-06	01/10/2001	8	.	4	.	0
GP-07	04/01/2002	8	.	5	.	0

WG (prime / other): G1 / - rapporteur: ANDERSEN, Niels  
G: yes U: MCC: USAI, Paolino

MOTOROLA A/S

[get it](#) remarks - general:  
[get it](#) remarks - this release:  
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[http://www.3gpp.org/ftp/Specs/archive/05\\_series](http://www.3gpp.org/ftp/Specs/archive/05_series)

## TS 05.10 Radio subsystem synchronization

R99 *current version:* 8.12.0

*freeze\_meeting:* SP-06

*history (event, available, version,*

smg-30 11/11/1999 8 . 0 . 0

smg-30b 06/12/1999 8 . 1 . 0

smg-31 16/02/1999 8 . 2 . 0

ETSI publication 29/09/2000 8 . 2 . 1

smg-31b 17/04/2000 8 . 3 . 0

smg-32 20/06/2000 8 . 4 . 0

GP-01 10/10/2000 8 . 5 . 0

GP-02 24/11/2000 8 . 6 . 0

edito 30/11/2000 8 . 6 . 1

GP-03 15/02/2001 8 . 7 . 0

GP-04 20/04/2001 8 . 8 . 0

GP-08 19/02/2002 8 . 9 . 0

GP-10 19/07/2002 8 . 10 . 0

GP-13 21/02/2003 8 . 11 . 0

GP-16 12/09/2003 8 . 12 . 0

*WG (prime / other):* G1 / - *rapporteur:* JOKINEN, Harri

*G: yes U:* *MCC:* USAI, Paolino

NOKIA MOBILE PHONES

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

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

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## TR 05.22 Radio link management in hierarchical networks

R99 *current version:* 8.0.0

*freeze\_meeting:* SP-06

*history (event, available, version,*

Upgrade to R99 30/03/2000 8 . 0 . 0

*WG (prime / other):* G1 / - *rapporteur:* VAN BUSSEL, Han

*G: yes U:* *MCC:* USAI, Paolino

T-MOBILE DEUTSCHLAND

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

*remarks - this release:* .

## TR 05.50 Background for RF Requirements

R99 *current version:* 8.2.0

*freeze\_meeting:* SP-06

*history (event, available, version,*

smg-30 11/11/1999 8 . 0 . 0

smg-31 16/02/2000 8 . 1 . 0

smg-31b 17/04/2000 8 . 2 . 0

*WG (prime / other):* G1 / - *rapporteur:* ANDERSEN, Niels

*G: yes U:* *MCC:* USAI, Paolino

MOTOROLA A/S

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

[get it](#) *remarks - this release:* #30: 8.0.0 #31:8.1.0 #31b:8.2.0

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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,*  
smg-31 16/02/2000 8 . 0 . 0 [get it](#) *remarks - general:*  
ETSI Publication 17/10/2000 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,*  
smg-31 16/02/2000 8 . 0 . 0 [get it](#) *remarks - general:*  
ETSI Publication 15/11/2000 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,*  
smg-31 16/02/2000 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,*  
smg-31 16/02/2000 8 . 0 . 0 [get it](#) *remarks - general:*  
ETSI Publication 15/11/2000 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		G: yes U:		<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version,</i>								
	smg-31 16/02/2000	8 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	ETSI Publication 15/11/2000	8 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> .				
<hr/>									
<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		G: yes U:		<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version,</i>								
	smg-31 16/02/2000	8 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i> .				
<hr/>									
<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		G: yes U:		<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version,</i>								
	smg-31 16/02/2000	8 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	Editorial 31/05/2000	8 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>				
	smg-32 20/06/2000	8 . 1 . 0		<a href="#">get it</a>					
	ETSI Publication 30/11/2000	8 . 1 . 1		<a href="#">get it</a>					
	SP-12 29/06/2001	8 . 2 . 0		<a href="#">get it</a>					
<hr/>									
<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		G: yes U:		<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version,</i>								
	smg-31 16/02/2000	8 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	ETSI Publication 15/11/2000	8 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> .				
<hr/>									
<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		G: yes U:		<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version,</i>								
	smg-31 16/02/2000	8 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	ETSI Publication 15/11/2000	8 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> .				
	SP-12 29/06/2001	8 . 1 . 0		<a href="#">get it</a>					

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

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[http://www.3gpp.org/ftp/Specs/archive/06\\_series](http://www.3gpp.org/ftp/Specs/archive/06_series)

<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:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	smg-31 16/02/2000 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI Publication 15/11/2000 8 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .			
<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:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	smg-31 16/02/2000 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publicatoin 15/11/2000 8 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .			
<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:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	smg-31 16/02/2000 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI Publication 15/11/2000 8 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .			
<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:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	smg-31 16/02/2000 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI Publication 15/11/2000 8 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .			
<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:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	smg-31 16/02/2000 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI Publication 15/11/2000 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,</i>					
	smg-31 16/02/2000 8 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 15/11/2000 8 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i> .	
<hr/>						
<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,</i>					
	smg-31 16/02/2000 8 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 15/11/2000 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,</i>					
	smg-31 16/02/2000 8 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI publication 15/11/2000 8 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i> #32:8.1.0 TSG#10:8.2.0	
	smg-32 20/06/2000 8 . 1 . 0			<a href="#">get it</a>		
	ETSI publication 30/11/2000 8 . 1 . 1			<a href="#">get it</a>		
	SP-10 20/12/2000 8 . 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>					
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,</i>					
	smg-31 16/02/2000 8 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 15/11/2000 8 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release:</i> .	

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## TS 06.54 Test sequences for the GSM Enhanced Full Rate (EFR)

R99 *current version:* 8.2.0  
*freeze\_meeting:* SP-06  
*history (event, available, version,*  
smg-31 16/02/2000 8 . 0 . 0  
ETSI publication 15/11/2000 8 . 0 . 1  
smg-32 20/06/2000 8 . 1 . 0  
SP-10 20/12/2000 8 . 2 . 0

*WG (prime / other):* S4 / - *rapporteur:* JÄRVINEN, Kari  
*G: yes U:* MCC: USAI, Paolino

NOKIA Corporation

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

## TR 06.55 Performance characterisation of the GSM EFR Speech Codec

R99 *current version:* 8.0.0  
*freeze\_meeting:* SP-06  
*history (event, available, version,*  
smg-31 16/02/2000 8 . 0 . 0

*WG (prime / other):* S4 / - *rapporteur:* SALEM, Tarek  
*G: yes U:* MCC: USAI, Paolino

T-MOBILE DEUTSCHLAND

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

## TS 06.60 Enhanced full rate speech transcoding

R99 *current version:* 8.0.1  
*freeze\_meeting:* SP-06  
*history (event, available, version,*  
smg-31 16/02/2000 8 . 0 . 0  
ETSI Publication 15/11/2000 8 . 0 . 1

*WG (prime / other):* S4 / - *rapporteur:* JÄRVINEN, Kari  
*G: yes U:* MCC: USAI, Paolino

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

## TS 06.61 Substitution and muting of lost frames for enhanced full rate speech traffic channels

R99 *current version:* 8.0.1  
*freeze\_meeting:* SP-06  
*history (event, available, version,*  
smg-31 16/02/2000 8 . 0 . 0  
ETSI Publication 15/11/2000 8 . 0 . 1

*WG (prime / other):* S4 / - *rapporteur:* JÄRVINEN, Kari  
*G: yes U:* MCC: USAI, Paolino

NOKIA Corporation

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

## TS 06.62 Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels

R99 *current version:* 8.0.1  
*freeze\_meeting:* SP-06  
*history (event, available, version,*  
smg-31 16/02/2000 8 . 0 . 0  
ETSI Publication 15/11/2000 8 . 0 . 1

*WG (prime / other):* S4 / - *rapporteur:* JÄRVINEN, Kari  
*G: yes U:* MCC: USAI, Paolino

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**TR 06.76 Adaptive Multi-Rate (AMR) speech codec; Study phase report**  
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,*  
SP-07 2 . 0 . 0 *remarks - general:* New at SMG#31. Then became 06.77; new 06.76 has new title.  
SP-07 17/03/2000 8 . 0 . 0 *remarks - this release:*  
fix invisible 10/01/2002 8 . 0 . 1 [get it](#)  
[get it](#)

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**TS 06.77 Minimum Performance Requirements for Noise Suppressor Application to the AMR Speech Encoder**  
R99 *current version:* 8.1.1 *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,*  
smg-32 20/06/2000 8 . 0 . 0 [get it](#) *remarks - general:*  
SP-11 10/04/2001 8 . 1 . 0 [get it](#) *remarks - this release:* #32:8.0.0 TSG#11:8.1.0  
edito 03/05/2001 8 . 1 . 1 [get it](#)

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**TR 06.78 Results of the AMR noise suppression selection phase**  
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,*  
smg-32 20/06/2000 8 . 0 . 0 [get it](#) *remarks - general:*  
Addition of VAF 04/04/2003 8 . 0 . 1 [get it](#) *remarks - this release:*  
C-Code tool

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**TS 06.81 Discontinuous Transmission (DTX) for enhanced full rate speech traffic channels**  
R99 *current version:* 8.0.1 *WG (prime / other):* S4 / - *rapporteur:* JÄRVINEN, Kari NOKIA Corporation  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version,*  
smg-31 16/02/2000 8 . 0 . 0 [get it](#) *remarks - general:*  
ETSI Publication 15/11/2000 8 . 0 . 1 [get it](#) *remarks - this release:* .

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**TS 06.82 Voice Activity Detection (VAD) for enhanced full rate speech traffic channels**  
R99 *current version:* 8.0.1 *WG (prime / other):* S4 / - *rapporteur:* JÄRVINEN, Kari NOKIA Corporation  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version,*  
smg-31 16/02/2000 8 . 0 . 0 [get it](#) *remarks - general:*  
ETSI Publication 15/11/2000 8 . 0 . 1 [get it](#) *remarks - this release:* .

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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,*  
smg-31 16/02/2000 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 MOTOROLA A/S  
*freeze\_meeting:* SP-06 *G: yes U:* MCC: Peter Skov THOMASEN, Gert  
*history (event, available, version,*  
smg-31 16/02/2000 8 . 0 . 0 [get it](#) *remarks - general:*  
draft 17/06/2002 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 MOTOROLA A/S  
*freeze\_meeting:* SP-06 *G: yes U:* MCC: Peter Skov THOMASEN, Gert  
*history (event, available, version,*  
smg-31 16/02/2000 8 . 0 . 0 [get it](#) *remarks - general:*  
edito 17/06/2002 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 MOTOROLA A/S  
*freeze\_meeting:* SP-06 *G: yes U:* MCC: Peter Skov THOMASEN, Gert  
*history (event, available, version,*  
smg-31 16/02/2000 8 . 0 . 0 [get it](#) *remarks - general:*  
edito 17/06/2002 8 . 0 . 1 [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**  
R99 *current version:* 8.0.1 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* SP-06  
Peter Skov  
G: yes U: MCC: THOMASEN, Gert

*history (event, available, version,*  
smg-31 16/02/2000 8 . 0 . 0 [get it](#) *remarks - general:*  
edito 17/06/2002 8 . 0 . 1 [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**  
R99 *current version:* 8.15.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* SP-06  
Peter Skov  
G: yes U: MCC: THOMASEN, Gert

*history (event, available, version,*  
smg-29 30/06/1999 8 . 0 . 0 [get it](#) *remarks - general:*  
smg-30 11/11/1999 8 . 1 . 0 [get it](#) *remarks - this release:*  
smg-30b 06/12/1999 8 . 2 . 0 [get it](#)  
smg-31 16/02/2000 8 . 3 . 0 [get it](#)  
smg-31b 17/04/2000 8 . 4 . 0 [get it](#)  
Fix graphics 16/05/2000 8 . 4 . 1 [get it](#)  
smg-32 20/06/2000 8 . 5 . 0 [get it](#)  
GP-01 11/10/2000 8 . 6 . 0 [get it](#)  
GP-02 27/11/2000 8 . 7 . 0 [get it](#)  
GP-03 31/01/2001 8 . 8 . 0 [get it](#)  
GP-04 04/05/2001 8 . 9 . 0 [get it](#)  
GP-06 14/09/2001 8 . 10 . 0 [get it](#)  
GP-07 08/01/2002 8 . 11 . 0 [get it](#)  
GP-08 19/02/2002 8 . 12 . 0 [get it](#)  
GP-10 19/07/2002 8 . 13 . 0 [get it](#)  
GP-15 10/07/2003 8 . 14 . 0 [get it](#)  
GP-16 12/09/2003 8 . 15 . 0 [get it](#)

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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**  
R99 *current version:* 8.0.1 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* SP-06  
Peter Skov  
G: yes U: MCC: THOMASEN, Gert

*history (event, available, version,*  
smg-31 16/02/2000 8 . 0 . 0 [get it](#) *remarks - general:*  
edito 17/06/2002 8 . 0 . 1 [get it](#) *remarks - this release:* .

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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	current version: 8.0.1 freeze_meeting: SP-06	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
		G: yes U:	MCC: THOMASEN, Gert		
	history (event, available, version, smg-31 16/02/2000 8 . 0 . 0 edito 17/06/2002 8 . 0 . 1	<a href="#">get it</a>	remarks - general: <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>				
R99	current version: 8.10.0 freeze_meeting: SP-06	WG (prime / other): G2 / -	rapporteur: BLACK, Jyoti	MOTOROLA	
	history (event, available, version, smg-30 11/11/1999 8 . 0 . 0 smg-30b 06/12/1999 8 . 1 . 0 smg-31 16/02/2000 8 . 2 . 0 smg-31b 17/04/2000 8 . 3 . 0 GP-01 11/10/2000 8 . 4 . 0 GP-02 30/11/2000 8 . 5 . 0 edito 23/01/2001 8 . 5 . 1 GP-03 31/01/2001 8 . 6 . 0 GP-04 04/05/2001 8 . 7 . 0 GP-05 18/06/2001 8 . 8 . 0 GP-06 05/10/2001 8 . 9 . 0 GP-09 06/05/2002 8 . 10 . 0	G: yes U:	MCC: THOMASEN, Gert		
		<a href="#">get it</a>	remarks - general: <a href="#">get it</a> remarks - this release:		
<hr/>					
<b>TS 08.20</b>	<b>Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface</b>				
R99	current version: 8.4.1 freeze_meeting: SP-06	WG (prime / other): N3 / -	rapporteur: RÄSÄNEN, Juha	NOKIA Corporation	
	history (event, available, version, smg-29 30/06/1999 8 . 0 . 0 smg-30 11/11/1999 8 . 1 . 0 NP-09 18/10/2000 8 . 2 . 0 NP-10 21/12/2000 8 . 3 . 0 NP-11 04/04/2001 8 . 4 . 0 ETSI-format publication 8 . 4 . 1	G: yes U:	MCC: BOSWARTHICK, David		ETSI publication only - 3GPP to use 8.4.0

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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>					
R99	<i>current version:</i> 8.1.1	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels		MOTOROLA A/S	
	<i>freeze_meeting:</i> SP-06		Peter Skov			
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version,</i>					
	Upgrade to R99 11/05/2000 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	GP-05 18/06/2001 8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	edito 17/06/2002 8 . 1 . 1	<a href="#">get it</a>				

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<b>TS 08.51</b>	<b>Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects</b>					
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels		MOTOROLA A/S	
	<i>freeze_meeting:</i> SP-06		Peter Skov			
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version,</i>					
	smg-31 16/02/2000 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	edito 17/06/2002 8 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .			

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<b>TS 08.52</b>	<b>Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles</b>					
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels		MOTOROLA A/S	
	<i>freeze_meeting:</i> SP-06		Peter Skov			
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version,</i>					
	smg-31 16/02/2000 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	edito 17/06/2002 8 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .			

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<b>TS 08.54</b>	<b>BSC-BTS Layer 1; Structure of Physical Circuits</b>					
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels		MOTOROLA A/S	
	<i>freeze_meeting:</i> SP-06		Peter Skov			
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version,</i>					
	smg-31 16/02/2000 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	edito 17/06/2002 8 . 0 . 1	<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>				
R99	current version: 8.0.1 freeze_meeting: SP-06	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	history (event, available, version, smg-31 16/02/2000 8 . 0 . 0 edito 17/06/2002 8 . 0 . 1	G: yes U:	MCC: THOMASEN, Gert		
		<a href="#">get it</a>	remarks - general:		
		<a href="#">get it</a>	remarks - this release:		

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<b>TS 08.58</b>	<b>Base Station Controller- Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification</b>				
R99	current version: 8.6.0 freeze_meeting: SP-06	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	history (event, available, version, smg-29 30/06/1999 8 . 0 . 0 smg-30 11/11/1999 8 . 1 . 0 smg-30 11/11/1999 8 . 2 . 0 smg-31 16/02/2000 8 . 3 . 0 smg-31b 17/04/2000 8 . 4 . 0 GP-01 11/10/2000 8 . 5 . 0 GP-02 30/11/2000 8 . 6 . 0	G: yes U:	MCC: THOMASEN, Gert		
		<a href="#">get it</a>	remarks - general:		
		<a href="#">get it</a>	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		
		<a href="#">get it</a>			
		<a href="#">get it</a>			
		<a href="#">get it</a>			
		<a href="#">get it</a>			
		<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>				
R99	current version: 8.2.1 freeze_meeting: SP-06	WG (prime / other): G1 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	history (event, available, version, smg-30 11/11/1999 8 . 0 . 1 smg-30b 06/12/1999 8 . 1 . 0 ETSI publication 30/10/2001 8 . 1 . 1 GP-08 19/02/2002 8 . 2 . 0 replace corrupted figure 2.1 24/01/2003 8 . 2 . 1	G: yes U:	MCC: USAI, Paolino		
		<a href="#">get it</a>	remarks - general: 2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.		
		<a href="#">get it</a>	remarks - this release:		
		<a href="#">get it</a>			
		<a href="#">get it</a>			

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Server ACTIVE specs R99 08 .- series  
[http://www.3gpp.org/ftp/Specs/archive/08\\_series](http://www.3gpp.org/ftp/Specs/archive/08_series)

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<b>TS 08.61</b>	<b>In-band control of remote transcoders and rate adaptors for half rate traffic channels</b>					
R99	current version: 8.1.0	WG (prime / other):	G1 / NP	rapporteur:	ANDERSEN, Niels	MOTOROLA A/S
	freeze_meeting: SP-06				Peter Skov	
		G: yes	U:	MCC:	USAI, Paolino	
	history (event, available, version,					
	smg-31 16/02/2000	8	. 0	. 0	<a href="#">get it</a>	remarks - general: 2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
	ETSI Publication 15/11/2000	8	. 0	. 1	<a href="#">get it</a>	remarks - this release: .
	GP-08 19/02/2002	8	. 1	. 0	<a href="#">get it</a>	

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<b>TS 08.62</b>	<b>Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3</b>					
R99	current version: 8.0.1	WG (prime / other):	S4 / -	rapporteur:	USAI, Paolino	TELECOM ITALIA S.p.A.
	freeze_meeting: SP-06				USAI, Paolino	
	history (event, available, version,					
	SP-07 17/03/2000	8	. 0	. 0	<a href="#">get it</a>	remarks - general: SMG11->S4 at SMG#30
	edito 08/08/2000	8	. 0	. 1	<a href="#">get it</a>	remarks - this release: .

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<b>TS 08.71</b>	<b>Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3</b>					
R99	current version: 8.5.0	WG (prime / other):	G2 / -	rapporteur:	ANDERSEN, Niels	MOTOROLA A/S
	freeze_meeting: SP-06				Peter Skov	
		G: yes	U:	MCC:	THOMASEN, Gert	
	history (event, available, version,					
	smg-31 16/02/2000	8	. 0	. 0	<a href="#">get it</a>	remarks - general:
	smg-31b 17/04/2000	8	. 1	. 0	<a href="#">get it</a>	remarks - this release:
	GP-02 30/11/2000	8	. 2	. 0	<a href="#">get it</a>	
	GP-06 14/09/2001	8	. 3	. 0	<a href="#">get it</a>	
	GP-07 08/01/2002	8	. 4	. 0	<a href="#">get it</a>	
	GP-08 26/03/2002	8	. 5	. 0	<a href="#">get it</a>	

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R99

09 .- series

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**TR 09.01 General Network Interworking Scenarios**

R99  
current version: 8.0.0  
freeze\_meeting: SP-06  
history (event, available, version,  
NP-07 15/03/2000 8 . 0 . 0

WG (prime / other): N4 / - rapporteur: KYMALAINEN, Kimmo TeliaSonera AB  
G: yes U: MCC: KYMALAINEN, Kimmo

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

---

**TS 09.08 Application of the Base Station System Application Part (BSSAP) on the E-Interface**

R99  
current version: 8.2.0  
freeze\_meeting: SP-06  
history (event, available, version,  
smg-31 16/02/2000 8 . 0 . 0  
NP-10 02/01/2001 8 . 1 . 0  
NP-19 24/03/2003 8 . 2 . 0

WG (prime / other): N1 / - rapporteur: FARHOUMAND, Ericsson Incorporated  
Rouzbeh  
G: yes U: MCC: JORGENSEN, Per Johan

[get it](#) remarks - general:  
[get it](#) remarks - this release: #31: 8.0.0 TSG#10:8.1.0  
[get it](#)

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**TS 09.31 Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)**

R99  
current version: 8.6.0  
freeze\_meeting: SP-06  
history (event, available, version,  
smg-31 16/02/2000 8 . 0 . 0  
smg-31b 17/04/2000 8 . 1 . 0  
smg-32 20/06/2000 8 . 2 . 0  
GP-01 01/09/2000 8 . 3 . 0  
GP-06 14/09/2001 8 . 4 . 0  
GP-07 08/01/2002 8 . 5 . 0  
GP-10 19/07/2002 8 . 6 . 0

WG (prime / other): G2 / - rapporteur: ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
G: yes U: MCC: THOMASEN, Gert

[get it](#) remarks - general:  
[get it](#) remarks - this release:  
[get it](#)  
[get it](#)  
[get it](#)  
[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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**TS 10.56 Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1**

R99 *current version:* 8.0.0 *WG (prime / other):* S2 / - *rapporteur:* GALLIGO, Michel ALCATEL S.A.  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* YOON, Sang-Ui  
*history (event, available, version,*  
smg-27 09/02/2000 8 . 0 . 0

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

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**TR 10.59 Project scheduling and open issues for EDGE**

R99 *current version:* 8.0.0 *WG (prime / other):* G1 / - *rapporteur:* MUELLER, Frank Telefon AB LM Ericsson  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* USAI, Paolino  
*history (event, available, version,*  
draft 05/01/2000 1 . 20 . 0  
draft 01/04/2000 1 . 22 . 0  
draft 25/05/2000 1 . 23 . 0  
smg-32 20/06/2000 8 . 0 . 0

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

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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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**TS 11.10-1 Mobile station (MS) conformance specification; Part 1: Conformance specification**

R99 *current version:* 8.3.0 *WG (prime / other):* G3ne / S1 / *rapporteur:* SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* SP-06 NP /  
T2 /  
SCP

*G:* yes *U:* *MCC:* CLAYTON, Michael

*history (event, available, version,*  
smg-31 16/02/2000 8 . 0 . 0  
smg-31 16/02/2000 8 . 1 . 0  
replaced by Rel-5 equivalent. 2001-11-19: G4->G5.  
ETSI publication 30/10/2000 8 . 1 . 1  
smg-32 20/06/2000 8 . 2 . 0  
GP-06 14/09/2001 8 . 3 . 0

[get it](#) *remarks - general:* R99 version now serves all releases. Earlier releases closed.. Subsequently  
[get it](#) *remarks - this release:* #32:closed. #32:8.2.0 GP-06: Rel-4 serves all releases. GP-06: reopened and  
reclosed!  
[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

R99 *current version:* 8.4.0 *WG (prime / other):* T3 / G2, *rapporteur:* SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* SP-06 G3ne

w

*G:* yes *U:* *MCC:* DIETZE, Claus

*history (event, available, version,*

auto upgrade to 8 . 0 . 0 never actually done  
R99 from

not derived from R96 by CR; also to withdraw the R96 version, since the  
previous rel

version will cover all previous Releases. TP-20: accepted by T3 (from G4).

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 20/12/2002 8 . 1 . 0 Created correctly by a CR to previous [get it](#)  
version.

GP-13 21/02/2003 8 . 2 . 0 [get it](#)

GP-14 25/04/2003 8 . 3 . 0 [get it](#)

TP-20 01/07/2003 8 . 4 . 0 late availability due to aesthetics check [get it](#)

*remarks - general:* TP-17: T3 proposes to take over this spec from G5, and to approve a new R99  
*remarks - this release:* May 00: R99 not anticipated. TP-17: T3 proposes to take over this spec from G5, version

and to approve a new R99 version not derived from R96 by CR; also to withdraw R99

the R96 version, since the R99 version will cover all previous Releases.

## TS 11.11 Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface

R99 *current version:* 8.9.1 *WG (prime / other):* T3 / - *rapporteur:* GUTHERY, Scott B. Mobile-Mind Inc.  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* DIETZE, Claus

*history (event, available, version,*

smg-29 30/06/1999 8 . 0 . 0 [get it](#)

smg-30 11/11/1999 8 . 1 . 0 [get it](#)

smg-31 16/02/2000 8 . 2 . 0 [get it](#)

smg-32 20/06/2000 8 . 3 . 0 [get it](#)

TP-09 18/10/2000 8 . 4 . 0 [get it](#)

TP-11 09/04/2001 8 . 5 . 0 [get it](#)

TP-14 17/01/2002 8 . 6 . 0 [get it](#)

TP-16 25/06/2002 8 . 7 . 0 [get it](#)

TP-17 18/09/2002 8 . 8 . 0 [get it](#)

TP-18 02/01/2003 8 . 9 . 0 [get it](#)

Removal of 23/06/2003 8 . 9 . 1 [get it](#)  
comments in  
clause 11

*remarks - general:*

*remarks - this release:*

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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>								
R99	<i>current version:</i> 8.2.1			<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> LLOBREGAT, Fernando	OBERTHUR CARD SYSTEMS S.A.			
	<i>freeze_meeting:</i> SP-06			<i>G: yes U:</i>	<i>MCC:</i> DIETZE, Claus				
	<i>history (event, available, version,</i>								
	TP-17 18/09/2002	8	.	0	.	0	== v7.4.2	<a href="#">get it</a>	<i>remarks - general:</i>
	TP-18 02/01/2003	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 26/03/2003	8	.	2	.	0		<a href="#">get it</a>	
	replace Annex E 16/04/2003	8	.	2	.	1		<a href="#">get it</a>	
	with correct file								
<hr/>									
<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> 8.14.0			<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> WOODSEND, Kristian	Indicate persons who left Company and wait for new			
	<i>freeze_meeting:</i> TP-06			<i>G: yes U:</i>	<i>MCC:</i> DIETZE, Claus	One			
	<i>history (event, available, version,</i>								
	smg-29 30/06/1999	8	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
	smg-30 11/11/1999	8	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> TP-11to be :withdrawn at TP-12, subsumed in 31.111; however, CR approved at TP-12, so assume not yet withdrawn!
	smg-31 16/02/2000	8	.	2	.	0		<a href="#">get it</a>	
	Correction of CR implementation 31/05/2000	8	.	2	.	1		<a href="#">get it</a>	
	smg-32 20/06/2000	8	.	3	.	0		<a href="#">get it</a>	
	TP-09 18/10/2000	8	.	4	.	0		<a href="#">get it</a>	
	TP-10 05/01/2001	8	.	5	.	0		<a href="#">get it</a>	
	TP-11 09/04/2001	8	.	6	.	0	To be withdrawn at TSG#12, subsumed in 31.111	<a href="#">get it</a>	
	TP-12 06/07/2001	8	.	7	.	0	Unwithdrawn!	<a href="#">get it</a>	
	TP-13 12/10/2001	8	.	8	.	0		<a href="#">get it</a>	
	TP-14 16/01/2002	8	.	9	.	0		<a href="#">get it</a>	
	TP-15 28/03/2002	8	.	10	.	0		<a href="#">get it</a>	
	TP-16 25/06/2002	8	.	11	.	0		<a href="#">get it</a>	
	TP-18 02/01/2003	8	.	12	.	0		<a href="#">get it</a>	
	TP-19 26/03/2003	8	.	13	.	0		<a href="#">get it</a>	
	TP-20 23/06/2003	8	.	14	.	0		<a href="#">get it</a>	

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**TS 11.17 Subscriber Interface Module (SIM) test specification**  
R99 *current version:* 8.1.0 *freeze\_meeting:* SP-06  
*WG (prime / other):* T3 / - *rapporteur:* BREMNER, David  
*G: yes U:* *MCC:* DIETZE, Claus  
Indicate persons who left Company and wait for new One

*history (event, available, version,*  
TP-18 02/01/2003 8 . 0 . 0 Technically identical to v7.0.2 [get it](#) *remarks - general:*  
TP-19 27/03/2003 8 . 1 . 0 [get it](#) *remarks - this release:* May 00: R99 not anticipated. TP-18: R99 created.

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**TS 11.21 Base Station System (BSS) equipment specification; Radio aspects**  
R99 *current version:* 8.9.0 *freeze\_meeting:* SP-06  
*WG (prime / other):* G1 / - *rapporteur:* VACANT,  
*G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version,*  
smg-30b 06/12/1999 8 . 0 . 0 [get it](#) *remarks - general:*  
smg-31 16/02/2000 8 . 1 . 0 [get it](#) *remarks - this release:*  
ETSI publication 22/08/2003 8 . 1 . 1 [get it](#)  
smg-31b 17/04/2000 8 . 2 . 0 [get it](#)  
smg-32 20/06/2000 8 . 3 . 0 [get it](#)  
GP-01 01/09/2000 8 . 4 . 0 [get it](#)  
GP-02 24/11/2000 8 . 5 . 0 [get it](#)  
GP-04 18/04/2001 8 . 6 . 0 [get it](#)  
GP-12 03/01/2003 8 . 7 . 0 [get it](#)  
GP-13 21/02/2003 8 . 8 . 0 [get it](#)  
GP-15 11/07/2003 8 . 9 . 0 [get it](#)

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**TS 11.26 Base Station System (BSS) equipment specification; Part 4: Repeaters**  
R99 *current version:* 8.0.2 *freeze\_meeting:* SP-06  
*WG (prime / other):* G1 / - *rapporteur:* VACANT,  
*G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version,*  
smg-31b 17/04/2000 8 . 0 . 0 based on 5.2.1 [get it](#) *remarks - general:*  
start of OAP 24/05/2000 8 . 0 . 1 [get it](#) *remarks - this release:*  
ETSI publication 10/10/2000 8 . 0 . 2 [get it](#)

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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	current version: 8.0.0 freeze_meeting: SP-06	WG (prime / other): S5 / S1 / NP	rapporteur: TRUSS, Michael	MOTOROLA Ltd			
	history (event, available, version, Upgrade to R99 19/04/2000 8 . 0 . 0	G: yes U:	MCC: ZOICAS, Adrian				
		<a href="#">get it</a>	remarks - general:				
			remarks - this release:				
<b>TS 12.04</b>	<b>Performance data measurements</b>						
R99	current version: 8.1.0 freeze_meeting: SP-06	WG (prime / other): S5 / S1 / NP	rapporteur: TOCHE, Christian	NORTEL NETWORKS (EUROPE)			
	history (event, available, version, Upgrade to R99 19/04/2000 8 . 0 . 0 SP-16 28/06/2002 8 . 1 . 0	G: yes U:	MCC: ZOICAS, Adrian				
		<a href="#">get it</a>	remarks - general:				
		<a href="#">get it</a>	remarks - this release:				
<b>TS 12.21</b>	<b>Network Management (NM) procedures and messages on the A-bis interface</b>						
R99	current version: 8.0.0 freeze_meeting: SP-06	WG (prime / other): G1 / S5	rapporteur: TRUSS, Michael	MOTOROLA Ltd			
	history (event, available, version, GP-09 06/05/2002 8 . 0 . 0	G: yes U:	MCC: USAI, Paolino				
		<a href="#">get it</a>	remarks - general: SP-13: S5->G3 but no change of rapporteur.				
			remarks - this release: GP-09 (Usai) created to fill the Release gap.				
<b>TS 12.71</b>	<b>Location Services (LCS); Location services management</b>						
R99	current version: 8.0.1 freeze_meeting: SP-06	WG (prime / other): S5 / -	rapporteur: GARAPATY, Sonia	Nortel Networks (USA)			
	history (event, available, version, draft 22/09/1999 0 . 0 . 1 draft 18/10/1999 0 . 0 . 2 draft 03/12/1999 0 . 0 . 3 draft 22/12/1999 0 . 0 . 4 draft 17/01/2000 0 . 0 . 5 draft 22/05/2000 2 . 0 . 0 draft 25/05/2000 2 . 0 . 1 SP-08 21/06/2000 7 . 0 . 0 SP-08 21/06/2000 8 . 0 . 0 ETSI Publication 30/11/2000 8 . 0 . 1	G: yes U:	MCC: ZOICAS, Adrian				
		<a href="#">get it</a>	remarks - general: TSG#11:S5 will no longer maintain.				
		<a href="#">get it</a>	remarks - this release: TSG#8:8.0.0 (2.0.1) TSG#11:S5 will no longer maintain.				
		<a href="#">get it</a>					
		<a href="#">get it</a>					
		<a href="#">get it</a>					
		<a href="#">get it</a>					
		<a href="#">get it</a>					
		<a href="#">get it</a>					
		<a href="#">get it</a>					
		<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)

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

R99 current version: 3.12.0

freeze\_meeting: SP-07

history (event, available, version,

WG (prime / other): SP / - rapporteur: MEREDITH, John M ETSI Secretariat

G: U: yes MCC: POPE, Maurice

SP-05	13/10/1999	1	.	0	.	0		<a href="#">get it</a>	remarks - general:	2003-05: Title changed from "3rd Generation mobile system Release 1999
SP-06	17/12/1999	2	.	0	.	0		<a href="#">get it</a>	remarks - this release:	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	17/03/2000	3	.	0	.	0		<a href="#">get it</a>		
editorial	30/03/2000	3	.	0	.	1		<a href="#">get it</a>		
post-SP-08	28/06/2000	3	.	1	.	0		<a href="#">get it</a>		
SP-10	04/01/2001	3	.	2	.	0		<a href="#">get it</a>		
SP-11	11/04/2001	3	.	3	.	0		<a href="#">get it</a>		
SP-12	05/07/2001	3	.	4	.	0		<a href="#">get it</a>		
SP-13	01/10/2001	3	.	5	.	0		<a href="#">get it</a>		
SP-14	03/01/2002	3	.	6	.	0		<a href="#">get it</a>		
SP-15	27/03/2002	3	.	7	.	0		<a href="#">get it</a>		
SP-16	19/06/2002	3	.	8	.	0		<a href="#">get it</a>		
SP-17	18/09/2002	3	.	9	.	0		<a href="#">get it</a>		
SP-18	03/01/2003	3	.	10	.	0		<a href="#">get it</a>		
SP-19	27/03/2003	3	.	11	.	0		<a href="#">get it</a>		
SP-20	25/06/2003	3	.	12	.	0		<a href="#">get it</a>		

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## TS 21.111 USIM and IC card requirements

R99 *current version:* 3.4.0  
*freeze\_meeting:* SP-03  
*history (event, available, version,*  
draft 16/10/1998 0 . 0 . 1  
Transfer from 04/03/1999 1 . 1 . 0  
smg9 to T3  
T3 21/04/1999 2 . 0 . 0  
TP-03 23/04/1999 3 . 0 . 0  
TP-06 17/12/1999 3 . 0 . 1  
TP-07 15/03/2000 3 . 1 . 0  
TP-08 23/06/2000 3 . 2 . 0  
TP-09 18/10/2000 3 . 3 . 0  
TP-17 18/09/2002 3 . 4 . 0

*WG (prime / other):* T3 / - *rapporteur:* KALINER, Stefan  
*G:* *U:* yes *MCC:* DIETZE, Claus

T-MOBILE DEUTSCHLAND

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

[get it](#)  
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[get it](#)  
[get it](#)

## TS 21.133 3G security; Security threats and requirements

R99 *current version:* 3.2.0  
*freeze\_meeting:* SP-03  
*history (event, available, version,*  
draft 20/08/1998 0 . 0 . 1  
draft 20/10/1998 1 . 0 . 0  
WG approval 20/12/1998 2 . 0 . 0  
SP-03 23/04/1999 3 . 0 . 0  
SP-06 17/12/1999 3 . 1 . 0  
SP-14 07/01/2002 3 . 2 . 0

*WG (prime / other):* S3 / - *rapporteur:* CHRISTOFFERSSON, Telia Promotor AB  
*G:* *U:* yes *MCC:* POPE, Maurice

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

## TR 21.810 Report on multi-mode UE issues; ongoing work and identified additional work

R99 *current version:* 3.0.0  
*freeze\_meeting:* SP-08  
*history (event, available, version,*  
TP-08 23/06/2000 3 . 0 . 0

*WG (prime / other):* T2 / - *rapporteur:* PERSSON, Sofi TeliaSonera AB  
*G:* *U:* yes *MCC:* RODERMUND, Friedhelm

[get it](#) *remarks - general:* Was formerly 21.910. Renumbered at TSG#7.  
*remarks - this release:* TSG#7:2.0.0 - number changed from 21.910. Not approved. 2.0.0

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## TR 21.900 Technical Specification Group working methods

R99 current version: 3.6.0  
freeze\_meeting: SP-03  
history (event, available, version,

WG (prime / other): SP / - rapporteur: MEREDITH, John M ETSI Secretariat  
G: yes U: yes MCC: POPE, Maurice

SP-03 23/04/1999 3 . 0 . 0  
SP-04 23/06/1999 3 . 1 . 0  
SP-05 13/10/1999 3 . 2 . 0  
SP-08 28/06/2000 3 . 3 . 0  
SP-09 04/10/2000 3 . 4 . 0  
SP-10 04/01/2001 3 . 5 . 0  
SP-11 11/04/2001 3 . 6 . 0

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

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## TR 21.904 User Equipment (UE) capability requirements

R99 current version: 3.5.0  
freeze\_meeting: SP-07  
history (event, available, version,

WG (prime / other): T2 / - rapporteur: SOOD, Prem SHARP Corporation  
G: U: yes MCC: RODERMUND, Friedhelm

TP-03 23/04/1999 0 . 0 . 0  
TP-04 18/06/1999 0 . 0 . 3  
TP-05 08/10/1999 1 . 0 . 2  
TP-06 17/12/1999 1 . 1 . 0  
TP-07 2 . 0 . 0 TP-000026  
TP-07 15/03/2000 3 . 0 . 0  
Editorial 30/03/2000 3 . 0 . 1  
TP-08 23/06/2000 3 . 1 . 0  
TP-09 16/10/2000 3 . 2 . 0  
TP-10 05/01/2001 3 . 3 . 0  
TP-13 03/10/2001 3 . 4 . 0  
TP-17 16/09/2002 3 . 5 . 0

[get it](#) remarks - general:  
[get it](#) remarks - this release:  
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[get it](#)  
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## TR 21.905 Vocabulary for 3GPP Specifications

R99 *current version:* 3.3.0 *freeze\_meeting:* SP-07  
*history (event, available, version,*  
SP-05 13/10/1999 0 . 0 . 1  
SP-07 15/03/2000 3 . 0 . 0 SP-000072  
SP-06 17/12/1999 3 . 0 . 0  
SP-08 23/06/2000 3 . 1 . 0  
edito 08/08/2000 3 . 1 . 1  
SP-09 18/10/2000 3 . 2 . 0  
SP-13 05/10/2001 3 . 3 . 0

*WG (prime / other):* S1 / - *rapporteur:* ZARRI, Michele T-Mobile (UK) Ltd  
*G:* *U:* yes *MCC:* CLAYTON, Michael

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

## TR 21.910 Multi-mode UE issues; categories, principles and procedures

R99 *current version:* 3.0.0 *freeze\_meeting:* SP-08  
*history (event, available, version,*  
TP-03 0 . 1 . 0  
TP-04 0 . 2 . 0  
TP-05 08/10/1999 1 . 0 . 1  
TP-06 17/12/1999 1 . 3 . 2  
TP-07 2 . 0 . 0  
TP-08 2 . 1 . 0  
TP-08 15/03/2000 3 . 0 . 0

*WG (prime / other):* T2 / - *rapporteur:* PERSSON, Sofi TeliaSonera AB  
*G:* *U:* yes *MCC:* RODERMUND, Friedhelm

*remarks - general:* TSG#7: Renumbered to 21.810 and stopped. TSG#8: Resurrected with modified  
*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](#)

## TR 21.978 Feasibility Technical Report; CAMEL Control of VoIP Services

R99 *current version:* 3.0.0 *freeze\_meeting:* SP-07  
*history (event, available, version,*  
NP-06 17/12/1999 2 . 0 . 0  
Revised clause 11 14/01/2000 2 . 1 . 0  
NP-08 2 . 1 . 1  
NP-08 23/06/2000 3 . 0 . 0

*WG (prime / other):* N2 / - *rapporteur:* JURISIC, Andrijana  
*G:* yes *U:* yes *MCC:*

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

R99

22 .- series

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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			<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version,</i>								
	SP-06 17/12/1999	3	.	0	.	0	aprvd with CRs	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#5
	SP-06 17/12/1999	3	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i>
	edito 18/01/2000	3	.	1	.	1		<a href="#">get it</a>	
	SP-07 17/03/2000	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			<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version,</i>								
	SP-05 13/10/1999	3	.	1	.	0		<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4
	SP-06 17/12/1999	3	.	2	.	0		<a href="#">get it</a>	<i>remarks - this release:</i>
	SP-07 15/03/2000	3	.	3	.	0		<a href="#">get it</a>	
	SP-08 23/06/2000	3	.	4	.	0		<a href="#">get it</a>	
	SP-09 18/10/2000	3	.	5	.	0		<a href="#">get it</a>	
	SP-11 02/04/2001	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			<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version,</i>								
	SP-06 17/12/1999	3	.	0	.	0	aprvd with CRs	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#5
	SP-06 17/12/1999	3	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i>
	SP-07 17/03/2000	3	.	2	.	0		<a href="#">get it</a>	
	SP-12 27/06/2001	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			<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version,</i>								
	SP-05 13/10/1999	3	.	0	.	1		<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4
	SP-06 17/12/1999	3	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i>
	SP-07 15/03/2000	3	.	2	.	0		<a href="#">get it</a>	
	Editorial 15/03/2000	3	.	2	.	1		<a href="#">get it</a>	
	SP-16 04/07/2002	3	.	3	.	0		<a href="#">get it</a>	

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<b>TS 22.011</b>	<b>Service accessibility</b>								
R99	current version: 3.8.0			WG (prime / other): S1 / -	rapporteur: GALLAIRE, Jean Paul	France Telecom			
	freeze_meeting: SP-05			G: yes U: yes	MCC: CLAYTON, Michael				
	history (event, available, version,								
	txferd to 3GPP	01/06/2000	3 . 0 . 0		<a href="#">get it</a>	remarks - general: Transfer>TSG#4			
	SP-05	30/10/1999	3 . 0 . 1		<a href="#">get it</a>	remarks - this release:			
	SP-06	17/12/1999	3 . 1 . 1		<a href="#">get it</a>				
	SP-07	17/03/2000	3 . 2 . 0		<a href="#">get it</a>				
	SP-09	18/10/2000	3 . 3 . 0		<a href="#">get it</a>				
	SP-11	02/04/2001	3 . 4 . 0		<a href="#">get it</a>				
	SP-12	27/06/2001	3 . 5 . 0		<a href="#">get it</a>				
	SP-14	10/01/2002	3 . 6 . 0		<a href="#">get it</a>				
	SP-15	25/03/2002	3 . 7 . 0		<a href="#">get it</a>				
	SP-17	17/09/2002	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	current version: 3.3.0			WG (prime / other): S1 / -	rapporteur: KOKKOLA, Tommi	NOKIA Corporation			
	freeze_meeting: SP-05			G: yes U: yes	MCC: CLAYTON, Michael				
	history (event, available, version,								
	SP-05	13/10/1999	3 . 0 . 1		<a href="#">get it</a>	remarks - general: Transfer>TSG#4			
	SP-06	17/12/1999	3 . 1 . 0		<a href="#">get it</a>	remarks - this release:			
	SP-08	28/06/2000	3 . 2 . 0		<a href="#">get it</a>				
	SP-16	04/07/2002	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	current version: 3.2.1			WG (prime / other): S3 / -	rapporteur: NGUYEN NGOC, Sebastien	France Telecom			
	freeze_meeting: SP-05			G: yes U: yes	MCC: POPE, Maurice				
	history (event, available, version,								
	SP-05	13/10/1999	3 . 0 . 1		<a href="#">get it</a>	remarks - general: Transfer>TSG#4			
	SP-08	28/06/2000	3 . 1 . 0	difficulty in implementing CR	<a href="#">get it</a>	remarks - this release:			
	SP-16	19/06/2002	3 . 2 . 0		<a href="#">get it</a>				
	edito post SP-16	24/06/2002	3 . 2 . 1	corrects change history	<a href="#">get it</a>				

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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> DWYER, Paul					NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting:</i> SP-05			<i>G: yes U: yes</i>	<i>MCC:</i> CLAYTON, Michael					
	<i>history (event, available, version,</i>									
	SP-05 13/10/1999	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> TOIVANEN, Annukka					NOKIA Corporation
	<i>freeze_meeting:</i> SP-05			<i>G: yes U: yes</i>	<i>MCC:</i> CLAYTON, Michael					
	<i>history (event, available, version,</i>									
	SP-05 30/10/1999	3	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4		
	SP-05 30/10/1999	3	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-06 17/12/1999	3	.	2	.	0	<a href="#">get it</a>			
	SP-07 17/03/2000	3	.	3	.	0	<a href="#">get it</a>			
	SP-09 18/10/2000	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			<i>G: yes U: yes</i>	<i>MCC:</i> POPE, Maurice					
	<i>history (event, available, version,</i>									
	SP-18 06/01/2003	3	.	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 &		
								<i>remarks - this release:</i> Created from 02.31 R99. Rel-5 -> 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			<i>G: yes U: yes</i>	<i>MCC:</i> POPE, Maurice					
	<i>history (event, available, version,</i>									
	SP-16 24/06/2002	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	current version: 3.2.1	WG (prime / other):	S1 / -	rapporteur:	KOKKOLA, Tommi	NOKIA Corporation
	freeze_meeting: SP-05	G: yes	U: yes	MCC:	CLAYTON, Michael	
	history (event, available, version,					
	SP-05 13/10/1999	3	. 1	. 0	<a href="#">get it</a>	remarks - general: Transfer>TSG#4
	SP-07 15/03/2000	3	. 2	. 0	<a href="#">get it</a>	remarks - this release:
	edito 25/04/2000	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	current version: 3.3.0	WG (prime / other):	S1 / -	rapporteur:	CARPENTER, Paul	Research In Motion Limited
	freeze_meeting: SP-05	G: yes	U: yes	MCC:	CLAYTON, Michael	
	history (event, available, version,					
	SP-05 30/10/1999	3	. 0	. 0	<a href="#">get it</a>	remarks - general: Transfer>TSG#4
	SP-07 17/03/2000	3	. 1	. 0	<a href="#">get it</a>	remarks - this release:
	SP-08 28/06/2000	3	. 2	. 0	<a href="#">get it</a>	
	SP-20 18/06/2003	3	. 3	. 0	<a href="#">get it</a>	
<hr/>						
<b>TS 22.041</b>	<b>Operator Determined Call Barring</b>					
R99	current version: 3.3.1	WG (prime / other):	S1 / -	rapporteur:	WOLAK, Stephen	VODAFONE Group Plc
	freeze_meeting: SP-05	G: yes	U: yes	MCC:	CLAYTON, Michael	
	history (event, available, version,					
	SP-05 13/10/1999	3	. 1	. 0	<a href="#">get it</a>	remarks - general: Transfer>TSG#4
	SP-10 08/01/2001	3	. 2	. 0	<a href="#">get it</a>	remarks - this release:
	SP-11 02/04/2001	3	. 3	. 0	<a href="#">get it</a>	
	edito 26/04/2001	3	. 3	. 1	<a href="#">get it</a>	
<hr/>						
<b>TS 22.042</b>	<b>Network Identity and Time Zone (NTZ) service description; Stage 1</b>					
R99	current version: 3.0.1	WG (prime / other):	S1 / -	rapporteur:	DAHLKVIST, Mikael	ERICSSON MOBILE COMMUNICATIONS AB
	freeze_meeting: SP-05	G: yes	U: yes	MCC:	CLAYTON, Michael	
	history (event, available, version,					
	SP-05 13/10/1999	3	. 0	. 1	<a href="#">get it</a>	remarks - general: Transfer>TSG#4
						remarks - this release: CR to 3.0.1 not aprvd.

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**TS 22.057 Mobile Execution Environment (MExE) service description; Stage 1**

R99 *current version:* 3.0.1 *WG (prime / other):* S1 / - *rapporteur:* CATALDO, Mark Openwave Systems (N.I.) Ltd  
*freeze\_meeting:* SP-05 *G: yes U: yes* *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
SP-05 25/10/1999 3 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution  
edito 25/10/1999 3 . 0 . 1 [get it](#) *remarks - this release:* . Environment (MExE); Stage 1".

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**TS 22.060 General Packet Radio Service (GPRS); Service description; Stage 1**

R99 *current version:* 3.5.0 *WG (prime / other):* S1 / - *rapporteur:* CARPENTER, Paul Research In Motion Limited  
*freeze\_meeting:* SP-05 *G: yes U: yes* *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
SP-05 13/10/1999 3 . 1 . 0 [get it](#) *remarks - general:* Transfer>TSG#4  
SP-06 17/12/1999 3 . 2 . 0 [get it](#) *remarks - this release:*  
SP-07 15/03/2000 3 . 3 . 0 [get it](#)  
SP-08 28/06/2000 3 . 4 . 0 [get it](#)  
SP-09 18/10/2000 3 . 5 . 0 [get it](#)

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**TS 22.066 Support of Mobile Number Portability (MNP); Stage 1**

R99 *current version:* 3.2.0 *WG (prime / other):* S1 / - *rapporteur:* CLAYTON, Michael EMCOM Ltd  
*freeze\_meeting:* SP-05 *G: yes U: yes* *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
SP-05 13/10/1999 3 . 0 . 1 [get it](#) *remarks - general:* Transfer>TSG#4  
SP-07 15/03/2000 3 . 1 . 0 [get it](#) *remarks - this release:*  
SP-08 28/06/2000 3 . 2 . 0 [get it](#)

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**TS 22.067 enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1**

R99 *current version:* 3.0.1 *WG (prime / other):* S1 / - *rapporteur:* SWETINA, Joerg SIEMENS AG  
*freeze\_meeting:* SP-05 *G: yes U: yes* *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
SP-05 13/10/1999 3 . 0 . 1 [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

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[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>					
R99	<i>current version:</i> 3.4.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> WOHLERT, Randolph	SBC Communications Inc.		
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	SP-05 13/10/1999 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
	SP-06 17/12/1999 3 . 2 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-09 18/10/2000 3 . 3 . 0	<a href="#">get it</a>				
	SP-15 25/03/2002 3 . 4 . 0	<a href="#">get it</a>				

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<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> RAUCH, Horst	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	SP-05 13/10/1999 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 22.078</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,</i>					
	SP-05 13/10/1999 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-06 17/12/1999 3 . 2 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-07 15/03/2000 3 . 3 . 0	<a href="#">get it</a>				
	SP-08 28/06/2000 3 . 4 . 0	<a href="#">get it</a>				
	edito 09/08/2000 3 . 4 . 1	<a href="#">get it</a>				
	SP-09 31/10/2000 3 . 5 . 0	<a href="#">get it</a>				
	SP-10 08/01/2001 3 . 6 . 0	<a href="#">get it</a>				
	SP-11 02/04/2001 3 . 7 . 0	<a href="#">get it</a>				
	SP-12 27/06/2001 3 . 8 . 0	<a href="#">get it</a>				
	SP-15 25/03/2002 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	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	SP-05 13/10/1999 3 . 0 . 1	<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

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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> AHNBERG, Tomas		Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	SP-05 13/10/1999 3 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4		
	SP-08 28/06/2000 3 . 2 . 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>				
R99	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> EVEN, Anne		France Telecom
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	SP-05 13/10/1999 3 . 0 . 1	<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>				
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,</i>				
	SP-05 13/10/1999 3 . 0 . 1	<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 (MPTY) supplementary service; 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,</i>				
	SP-05 13/10/1999 3 . 0 . 1	<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>				
R99	<i>current version:</i> 3.1.0	<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,</i>				
	SP-05 13/10/1999 3 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4		
	SP-06 17/12/1999 3 . 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

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<b>TS 22.086</b>	<b>Advice of Charge (AoC) supplementary services; Stage 1</b>								
R99	current version: 3.1.0	WG (prime / other):	S1 / -	rapporteur:	DWYER, Paul				NORTEL NETWORKS (EUROPE)
	freeze_meeting: SP-05	G: yes U: yes		MCC:	CLAYTON, Michael				
	history (event, available, version,								
	SP-05 13/10/1999 3 . 1 . 0	<a href="#">get it</a>		remarks - general:	Transfer>TSG#4				
				remarks - this release:					
<b>TS 22.087</b>	<b>User-to-user signalling (UUS); Stage 1</b>								
R99	current version: 3.1.0	WG (prime / other):	S1 / -	rapporteur:	BRADEN, Christian				T-MOBILE DEUTSCHLAND
	freeze_meeting: SP-05	G: yes U: yes		MCC:	CLAYTON, Michael				
	history (event, available, version,								
	SP-05 13/10/1999 3 . 0 . 1	<a href="#">get it</a>		remarks - general:	Transfer>TSG#4				
	3.0.1, but should have been 3.1.0 to			remarks - this release:					
	include a CR wrongly attributed to								
	22.086.	<a href="#">get it</a>							
	incorporation of 01/02/2000 3 . 1 . 0								
	lost CR from								
<b>TS 22.088</b>	<b>Call Barring (CB) supplementary services; Stage 1</b>								
R99	current version: 3.0.2	WG (prime / other):	S1 / -	rapporteur:	CLAYTON, Michael				EMCOM Ltd
	freeze_meeting: SP-05	G: yes U: yes		MCC:	CLAYTON, Michael				
	history (event, available, version,								
	SP-05 13/10/1999 3 . 0 . 1	<a href="#">get it</a>		remarks - general:	Transfer>TSG#4				
	edito 27/11/2000 3 . 0 . 2	<a href="#">get it</a>		remarks - this release:	.				
<b>TS 22.090</b>	<b>Unstructured Supplementary Service Data (USSD); Stage 1</b>								
R99	current version: 3.1.0	WG (prime / other):	S1 / -	rapporteur:	KOKKOLA, Tommi				NOKIA Corporation
	freeze_meeting: SP-05	G: yes U: yes		MCC:	CLAYTON, Michael				
	history (event, available, version,								
	SP-05 13/10/1999 3 . 0 . 1	<a href="#">get it</a>		remarks - general:	Transfer>TSG#4				
	SP-07 15/03/2000 3 . 1 . 0	<a href="#">get it</a>		remarks - this release:					
<b>TS 22.091</b>	<b>Explicit Call Transfer (ECT) supplementary service; Stage 1</b>								
R99	current version: 3.1.0	WG (prime / other):	S1 / -	rapporteur:	CLAYTON, Michael				EMCOM Ltd
	freeze_meeting: SP-05	G: yes U: yes		MCC:	CLAYTON, Michael				
	history (event, available, version,								
	SP-05 13/10/1999 3 . 0 . 1	<a href="#">get it</a>		remarks - general:	Transfer>TSG#4				
	SP-09 18/10/2000 3 . 1 . 0	<a href="#">get it</a>		remarks - this release:					

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<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,</i>					
	SP-05 13/10/1999 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> BERGMANN, Ansgar	Deutsche Telekom AG		
	<i>freeze_meeting:</i> SP-06	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	SP-06 17/12/1999 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			
			<i>remarks - this release:</i> Transfer>TSG#6; Anticipate that v3.y.z will be withdrawn. Apr2001: Unwithdrawn. scrap			
02,94 R99 in favour of a common GSM/UMTS spec, 22.094.						
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> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	SP-05 13/10/1999 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> DWYER, Paul	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	SP-05 13/10/1999 3 . 1 . 0					
	SP-09 18/10/2000 3 . 2 . 0					
		<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
		<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

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## TS 22.100 UMTS Phase 1

R99 *current version:* 3.7.0  
*freeze\_meeting:* SP-03  
*history (event, available, version,*

*WG (prime / other):* S1 / - *rapporteur:* EVEN, Anne France Telecom  
*G:* *U:* yes *MCC:* CLAYTON, Michael

draft 16/09/1998 0 . 1 . 0  
draft 16/10/1998 1 . 0 . 0  
WG approval 01/02/1999 2 . 0 . 0  
SP-03 23/04/1999 3 . 0 . 0  
SP-03 23/04/1999 3 . 2 . 0  
SP-04 23/06/1999 3 . 3 . 0  
SP-05 13/10/1999 3 . 4 . 0  
SP-06 17/12/1999 3 . 5 . 0  
SP-07 15/03/2000 3 . 6 . 0  
SP-13 05/10/2001 3 . 7 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
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[get it](#)  
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## TS 22.101 Service aspects; Service principles

R99 *current version:* 3.14.0  
*freeze\_meeting:* SP-03  
*history (event, available, version,*

*WG (prime / other):* S1 / - *rapporteur:* DWYER, Paul NORTEL NETWORKS (EUROPE)  
*G:* *U:* yes *MCC:* CLAYTON, Michael

SP-03 23/04/1999 3 . 5 . 0  
SP-04 23/06/1999 3 . 6 . 0  
SP-05 13/10/1999 3 . 7 . 0  
SP-06 17/12/1999 3 . 8 . 0  
SP-07 15/03/2000 3 . 9 . 0  
SP-08 28/06/2000 3 . 10 . 0  
SP-09 18/10/2000 3 . 11 . 0  
SP-10 08/01/2001 3 . 12 . 0  
SP-12 27/06/2001 3 . 13 . 0  
SP-20 18/06/2003 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



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## TS 22.105 Services and service capabilities

R99 current version: 3.10.0

freeze\_meeting: SP-03

history (event, available, version,

First complete	13/06/1997	1	.	0	.	0
draft	19/12/1997	1	.	4	.	1
WG approval	15/02/1998	2	.	0	.	0
smg-25	20/03/1998	3	.	0	.	0
smg-26	20/06/1998	3	.	1	.	0
smg-28	15/02/1999	3	.	2	.	0
SP-03	23/04/1999	3	.	4	.	0
SP-04	23/06/1999	3	.	5	.	0
SP-05	13/10/1999	3	.	6	.	0
SP-06	17/12/1999	3	.	7	.	0
SP-07	15/03/2000	3	.	8	.	0
SP-08	28/06/2000	3	.	9	.	0
SP-10	08/01/2001	3	.	10	.	0

WG (prime / other): S1 / - rapporteur: EVEN, Anne France Telecom  
G: U: yes MCC: CLAYTON, Michael

[get it](#) remarks - general:  
[get it](#) remarks - this release:  
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## TS 22.115 Service Aspects Charging and billing

R99 current version: 3.3.0

freeze\_meeting: SP-03

history (event, available, version,

First complete	13/06/1997	1	.	0	.	0
Milestone 1	19/12/1997	1	.	2	.	2
WG approval	15/01/1999	2	.	0	.	0
TB approval	15/02/1999	3	.	0	.	0
SP-04	23/06/1999	3	.	1	.	0
SP-03	23/04/1999	3	.	1	.	0
SP-05	13/10/1999	3	.	2	.	0
SP-07	15/03/2000	3	.	3	.	0

WG (prime / other): S1 / - rapporteur: MONTEGROSSO, Emanuele TELECOM ITALIA S.p.A.  
G: yes U: yes MCC: CLAYTON, Michael

[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

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## TR 22.121 Service aspects; The Virtual Home Environment; Stage 1

R99 *current version:* 3.3.1  
*freeze\_meeting:* SP-04

*WG (prime / other):* S1 / - *rapporteur:* OGUNBEKUN, Jumoke FUJITSU Laboratories of Europe Limited  
*G: yes U: yes* *MCC:* CLAYTON, Michael

*history (event, available, version,*  
OSP parts 04/03/1999 0 . 0 . 0  
extracted from  
22,121 v3,2,0

[get it](#) *remarks - general:* Former title: "Provision of Services in UMTS - The Virtual Home Environment;  
*remarks - this release:* Stage 1". SP-16: converted from TS to TR.

draft 04/04/1999 0 . 1 . 0  
SP-04 23/06/1999 3 . 0 . 0  
SP-05 13/10/1999 3 . 1 . 0  
SP-07 15/03/2000 3 . 2 . 0  
SP-08 28/06/2000 3 . 3 . 0  
SP-16 19/07/2002 3 . 3 . 1

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Converted from TS to TR.

## TS 22.129 Handover requirements between UTRAN and GERAN or other radio systems

R99 *current version:* 3.6.0  
*freeze\_meeting:* SP-03

*WG (prime / other):* S1 / - *rapporteur:* SAMPSON, Nick ORANGE PCS LTD  
*G: yes U: yes* *MCC:* CLAYTON, Michael

*history (event, available, version,*  
Start of work 04/03/1999 0 . 0 . 0  
Table of Contents 04/03/1999 0 . 1 . 0  
and Scope  
First complete 22/04/1999 1 . 0 . 0  
SP-03 23/01/1999 1 . 2 . 0  
SP-03 23/04/1999 3 . 0 . 0  
SP-05 13/10/1999 3 . 1 . 0  
SP-06 17/12/1999 3 . 2 . 0  
SP-08 28/06/2000 3 . 3 . 0  
SP-09 18/10/2000 3 . 4 . 0  
SP-10 08/01/2001 3 . 5 . 0  
SP-14 10/01/2002 3 . 6 . 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

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## TS 22.135 Multicall; Service description; Stage 1

R99 *current version:* 3.4.0  
*freeze\_meeting:* SP-06  
*history (event, available, version,*  
Start of work 04/03/1999 0 . 0 . 0  
Table of Contents 04/03/1999 0 . 1 . 0  
*and Scope*  
SP-03 23/04/1999 1 . 0 . 0  
SP-05 13/10/1999 3 . 0 . 0  
SP-06 17/12/1999 3 . 1 . 0  
SP-07 15/03/2000 3 . 2 . 0  
SP-08 28/06/2000 3 . 3 . 0  
SP-09 18/10/2000 3 . 4 . 0

*WG (prime / other):* S1 / - *rapporteur:* KOKKOLA, Tommi NOKIA Corporation  
*G:* U: yes *MCC:* CLAYTON, Michael

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

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## TS 22.140 Multimedia Messaging Service (MMS); Stage 1

R99 *current version:* 3.1.0  
*freeze\_meeting:* SP-06  
*history (event, available, version,*  
SP-03 23/04/1999 0 . 0 . 0  
SP-05 08/10/1999 1 . 0 . 0  
SP-06 17/12/1999 2 . 0 . 0  
SP-08 28/06/2000 3 . 1 . 0

*WG (prime / other):* S1 / - *rapporteur:* LAUMEN, Josef SIEMENS AG  
*G:* U: yes *MCC:* CLAYTON, Michael

[get it](#) *remarks - general:* (development in T2)  
[get it](#) *remarks - this release:*

[get it](#)  
[get it](#)

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## TR 22.945 Study of provision of fax service in GSM and UMTS

R99 *current version:* 3.0.0  
*freeze\_meeting:* SP-05  
*history (event, available, version,*  
TP-03 28/04/1999 1 . 0 . 0  
TP-05 08/10/1999 3 . 0 . 0

*WG (prime / other):* T2 / NP *rapporteur:* COLBAN, Erik ERICSSON AS  
*G:* yes U: yes *MCC:* RODERMUND, Friedhelm

[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

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[http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

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**TR 22.971 Automatic establishment of roaming relationships**

R99 *current version:* 3.1.1  
*freeze\_meeting:* SP-03

*WG (prime / other):* S1 / - *rapporteur:* MONTEGROSSO, Emanuele TELECOM ITALIA S.p.A.  
*G:* *U:* yes *MCC:* CLAYTON, Michael

*history (event, available, version,*  
Table of Contents 19/10/1997 0 . 0 . 1  
and Scope  
First complete 19/12/1997 1 . 1 . 1  
WG approval 15/02/1998 2 . 0 . 0  
smg-25 20/03/1998 3 . 0 . 0  
SP-03 23/04/1999 3 . 1 . 1

[get it](#) *remarks - general:*  
*remarks - this release:* .  
[get it](#)  
[get it](#)  
[get it](#)  
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**TR 22.975 Advanced addressing**

R99 *current version:* 3.1.0  
*freeze\_meeting:* SP-03

*WG (prime / other):* S1 / - *rapporteur:* KLEIER, Stephan Vodafone D2 GmbH  
*G:* *U:* yes *MCC:* CLAYTON, Michael

*history (event, available, version,*  
Table of Contents 17/10/1997 0 . 1 . 0  
and Scope  
First complete 19/12/1997 1 . 0 . 0  
WG approval 15/02/1998 2 . 0 . 0  
smg-25 20/03/1998 3 . 0 . 0  
SP-03 23/04/1999 3 . 0 . 1  
SP-05 13/10/1999 3 . 1 . 0

[get it](#) *remarks - general:*  
*remarks - this release:* .  
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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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[http://www.3gpp.org/ftp/Specs/archive/23\\_series](http://www.3gpp.org/ftp/Specs/archive/23_series)

## TS 23.002 Network architecture

R99 *current version:* 3.6.0  
*freeze\_meeting:* SP-05  
*history (event, available, version,*

*WG (prime / other):* S2 / - *rapporteur:* SULTAN, Alain SOURCE COM  
*G:* yes *U:* yes *MCC:* YOON, Sang-Ui

SP-05 13/10/1999 3 . 1 . 0  
SP-06 17/12/1999 3 . 2 . 0  
SP-07 15/03/2000 3 . 3 . 0  
SP-10 21/12/2000 3 . 4 . 0  
SP-14 07/01/2002 3 . 5 . 0  
SP-17 24/09/2002 3 . 6 . 0

[get it](#) *remarks - general:* Transfer>TSG#4,CR at TSG#5  
*remarks - this release:*  
[get it](#)  
[get it](#)  
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[get it](#)

## TS 23.003 Numbering, Addressing and Identification

R99 *current version:* 3.12.0  
*freeze\_meeting:* SP-03  
*history (event, available, version,*

*WG (prime / other):* N4 / - *rapporteur:* RUSSELL, Nick VODAFONE LTD  
*G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo

NP-03 23/04/1999 3 . 0 . 0  
NP-04 23/06/1999 3 . 1 . 0  
NP-05 13/10/1999 3 . 2 . 0  
NP-06 15/12/1999 3 . 3 . 0  
NP-07 15/03/2000 3 . 4 . 0  
edito 17/05/2000 3 . 4 . 1  
NP-08 28/06/2000 3 . 5 . 0  
NP-09 26/10/2000 3 . 6 . 0  
NP-10 21/12/2000 3 . 7 . 0  
NP-11 02/04/2001 3 . 8 . 0  
NP-12 27/06/2001 3 . 9 . 0  
NP-16 21/06/2002 3 . 10 . 0  
NP-17 17/09/2002 3 . 11 . 0  
NP-20 27/06/2003 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

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## TS 23.007 Restoration procedures

R99 *current version:* 3.5.0  
*freeze\_meeting:* SP-03  
*history (event, available, version,*  
NP-03 23/04/1999 3 . 0 . 0  
NP-04 23/06/1999 3 . 1 . 0  
NP-05 13/10/1999 3 . 1 . 3  
NP-06 15/12/1999 3 . 2 . 0  
NP-07 15/03/2000 3 . 3 . 0  
NP-08 28/06/2000 3 . 4 . 0  
NP-16 21/06/2002 3 . 5 . 0

*WG (prime / other):* N4 / - *rapporteur:* RUSSELL, Nick VODAFONE LTD  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
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## TS 23.008 Organisation of subscriber data

R99 *current version:* 3.8.0  
*freeze\_meeting:* SP-03  
*history (event, available, version,*  
NP-03 23/04/1999 3 . 0 . 0  
NP-05 13/10/1999 3 . 1 . 0  
NP-06 15/12/1999 3 . 2 . 0  
NP-07 15/03/2000 3 . 3 . 0  
NP-08 28/06/2000 3 . 4 . 0  
NP-09 26/10/2000 3 . 5 . 0  
NP-12 27/06/2001 3 . 6 . 0  
NP-16 21/06/2002 3 . 7 . 0  
NP-20 27/06/2003 3 . 8 . 0

*WG (prime / other):* N4 / - *rapporteur:* BAUER, Rolf ALCATEL SEL AG  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

[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

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Server ACTIVE specs R99 23 .- series  
[http://www.3gpp.org/ftp/Specs/archive/23\\_series](http://www.3gpp.org/ftp/Specs/archive/23_series)

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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, Ericsson Incorporated  
Rouzbeh  
*G:* yes *U:* yes *MCC:* JORGENSEN, Per Johan

*history (event, available, version,*  
NP-03 23/04/1999 3 . 0 . 0  
NP-06 17/12/1999 3 . 1 . 0  
NP-07 15/03/2000 3 . 2 . 0  
edito (SDLs 16/05/2000 3 . 2 . 1  
beautified)  
NP-08 23/06/2000 3 . 3 . 0  
NP-09 06/10/2000 3 . 4 . 0  
NP-10 03/01/2001 3 . 5 . 0  
NP-11 11/04/2001 3 . 6 . 0  
NP-12 06/07/2001 3 . 7 . 0  
NP-13 05/10/2001 3 . 8 . 0  
NP-14 08/01/2002 3 . 9 . 0  
NP-16 20/06/2002 3 . 10 . 0  
NP-17 17/09/2002 3 . 11 . 0  
NP-18 02/01/2003 3 . 12 . 0  
NP-19 24/03/2003 3 . 13 . 0  
NP-20 27/06/2003 3 . 14 . 0

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[get it](#) *remarks - this release:*  
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**TS 23.011 Technical realization of Supplementary Services**  
R99 *current version:* 3.1.0  
*freeze\_meeting:* SP-03

*WG (prime / other):* N4 / - *rapporteur:* CONRAD, Alan T-MOBILE DEUTSCHLAND  
KYMALAINEN, Kimmo  
*G:* yes *U:* yes *MCC:*

*history (event, available, version,*  
NP-03 23/04/1999 3 . 0 . 0  
edito 06/06/2000 3 . 0 . 1  
NP-09 26/10/2000 3 . 1 . 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

# 3GPP specification status

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## TS 23.012 Location management procedures

R99 *current version:* 3.3.0  
*freeze\_meeting:* SP-03  
*history (event, available, version,*  
NP-03 23/04/1999 3 . 0 . 0  
NP-06 15/12/1999 3 . 1 . 0  
NP-07 15/03/2000 3 . 2 . 0  
CR 23.012-003r3 05/06/2000 3 . 2 . 1  
removed (error)  
NP-08 23/06/2000 3 . 3 . 0

*WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

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

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## TS 23.014 Support of Dual Tone Multi Frequency (DTMF) signalling

R99 *current version:* 3.2.0  
*freeze\_meeting:* SP-03  
*history (event, available, version,*  
NP-03 23/04/1999 3 . 0 . 0  
NP-06 17/12/1999 3 . 1 . 0  
NP-17 17/09/2002 3 . 2 . 0

*WG (prime / other):* N1 / - *rapporteur:* ZAUS, Robert SIEMENS AG  
*G: yes U: yes* *MCC:* JORGENSEN, Per Johan

[get it](#) *remarks - general:* Should not be in UMTS ????  
[get it](#) *remarks - this release:* .  
[get it](#)

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## TS 23.015 Technical realisation of Operator Determined Barring (ODB)

R99 *current version:* 3.1.0  
*freeze\_meeting:* SP-03  
*history (event, available, version,*  
NP-03 23/04/1999 3 . 0 . 0  
NP-04 23/06/1999 3 . 1 . 0

*WG (prime / other):* N4 / - *rapporteur:* PARK, Ian David VODAFONE LTD  
*G: yes U: yes* *MCC:* Chalmers  
KYMALAINEN, Kimmo

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

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## TS 23.016 Subscriber data management; Stage 2

R99 current version: 3.9.0  
freeze\_meeting: SP-03  
history (event, available, version,

NP-03	23/04/1999	3	.	0	.	0
NP-04	23/06/1999	3	.	1	.	0
NP-05	13/10/1999	3	.	2	.	0
NP-06	15/12/1999	3	.	3	.	0
NP-07	15/03/2000	3	.	4	.	0
NP-08	23/06/2000	3	.	5	.	0
NP-09	26/10/2000	3	.	6	.	0
NP-11	30/03/2001	3	.	7	.	0
NP-15	28/03/2002	3	.	8	.	0
NP-17	17/09/2002	3	.	9	.	0

WG (prime / other): N4 / - rapporteur: WIEHE, Ulrich  
G: yes U: yes MCC: KYMALAINEN, Kimmo

Gesellschaft für Kommunikations Software

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

NP-03	23/04/1999	3	.	0	.	0
NP-04	23/06/1999	3	.	1	.	0
NP-05	13/10/1999	3	.	2	.	0
NP-06	15/12/1999	3	.	3	.	0
NP-07	15/03/2000	3	.	4	.	0
NP-08	23/06/2000	3	.	5	.	0
NP-09	25/10/2000	3	.	6	.	0
NP-11	06/04/2001	3	.	7	.	0
NP-12	04/07/2001	3	.	8	.	0
NP-13	03/10/2001	3	.	9	.	0
NP-14	16/01/2002	3	.	10	.	0
NP-15	28/03/2002	3	.	11	.	0
NP-19	04/04/2003	3	.	12	.	0

WG (prime / other): N4 / - rapporteur: PARK, Ian David  
G: yes U: yes 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>freeze_meeting:</i> SP-18	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WRIGHT, Tim	Indicate persons who left Company and wait for new One					
		<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> POPE, Maurice						
	<i>history (event, available, version,</i> SP-18 06/01/2003 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 & <i>remarks - this release:</i> Created from 03.31 R99. Rel-5 -> 23.031.					
<hr/>									
<b>TS 23.032</b>	<b>Universal Geographical Area Description (GAD)</b>								
R99	<i>current version:</i> 3.2.1 <i>freeze_meeting:</i> SP-03	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> HIETALAHTI, Hannu	NOKIA Corporation					
		<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> YOON, Sang-Ui						
	<i>history (event, available, version,</i> SP-03 23/04/1999 3 . 0 . 0 SP-07 15/03/2000 3 . 1 . 0 SP-18 07/01/2003 3 . 2 . 0 edito post SP-18 10/01/2003 3 . 2 . 1 to correct figures		<a href="#">get it</a> <a href="#">get it</a> <a href="#">get it</a> <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>								
R99	<i>current version:</i> 3.3.0 <i>freeze_meeting:</i> SP-03	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i>						
		<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> JORGENSEN, Per Johan						
	<i>history (event, available, version,</i> NP-03 23/04/1999 3 . 0 . 0 NP-05 13/10/1999 3 . 1 . 0 NP-06 17/12/1999 3 . 1 . 1 NP-07 15/03/2000 3 . 2 . 0 NP-10 02/01/2001 3 . 3 . 0		<a href="#">get it</a> <a href="#">get it</a> <a href="#">get it</a> <a href="#">get it</a> <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>								
R99	<i>current version:</i> 3.1.0 <i>freeze_meeting:</i> SP-16	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WRIGHT, Tim	Indicate persons who left Company and wait for new One					
		<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> POPE, Maurice						
	<i>history (event, available, version,</i> SP-16 24/06/2002 3 . 0 . 0 SP-17 18/09/2002 3 . 1 . 0		<a href="#">get it</a> <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). <i>remarks - this release:</i> SP-16: takes over from 03,35 R99.					
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## TS 23.038 Alphabets and language-specific information

R99 *current version:* 3.3.0  
*freeze\_meeting:* SP-04  
*history (event, available, version,*

TP-03	28/04/1999	1	.	0	.	0
TP-04	23/06/1999	3	.	1	.	0
TP-05	08/10/1999	3	.	2	.	0
TP-06	17/12/1999	3	.	3	.	0

*WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*G: yes U: yes* *MCC:* RODERMUND, Friedhelm

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* additional CR for R99 on SMS enhanced message content expected at TSG-T#7.  
No, evidently not.

[get it](#)  
[get it](#)

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## TR 23.039 Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)

R99 *current version:* 3.2.0  
*freeze\_meeting:* SP-04  
*history (event, available, version,*

TP-03	28/04/1999	1	.	0	.	0
TP-04	23/06/1999	3	.	0	.	0
TP-06 completed	17/12/1999	3	.	1	.	0
TP-09	04/10/2000	3	.	2	.	0

*WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*G: yes U: yes* *MCC:* RODERMUND, Friedhelm

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

[get it](#)  
[get it](#)

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## TS 23.040 Technical realization of Short Message Service (SMS)

R99 *current version:* 3.10.0  
*freeze\_meeting:* SP-04  
*history (event, available, version,*

TP-03	28/04/1999	1	.	0	.	0
TP-04	23/06/1999	3	.	1	.	0
TP-05	08/10/1999	3	.	2	.	0
TP-06	17/12/1999	3	.	3	.	0
TP-07	15/03/2000	3	.	4	.	0
edito	19/04/2000	3	.	4	.	1
TP-08	23/06/2000	3	.	5	.	0
TP-13	03/10/2001	3	.	6	.	0
TP-14	11/01/2002	3	.	7	.	0
TP-15	21/03/2002	3	.	8	.	0
TP-16	25/06/2002	3	.	9	.	0
TP-20	25/06/2003	3	.	10	.	0

*WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*G: yes U: yes* *MCC:* RODERMUND, Friedhelm

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

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## TS 23.041 Technical realization of Cell Broadcast Service (CBS)

R99 *current version:* 3.5.0  
*freeze\_meeting:* SP-05

*WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*G: yes U: yes* *MCC:* RODERMUND, Friedhelm

*history (event, available, version,*  
TP-03 23/04/1999 0 . 0 . 0  
TP-05 08/10/1999 3 . 0 . 0  
TP-06 17/12/1999 3 . 1 . 0  
TP-07 completion 15/03/2000 3 . 2 . 0  
target  
TP-09 11/10/2000 3 . 3 . 0  
TP-12 04/07/2001 3 . 4 . 0  
TP-16 25/06/2002 3 . 5 . 0

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

## TS 23.042 Compression algorithm for SMS

R99 *current version:* 3.1.0  
*freeze\_meeting:* SP-04

*WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*G: yes U: yes* *MCC:* RODERMUND, Friedhelm

*history (event, available, version,*  
TP-03 28/04/1999 1 . 0 . 0  
TP-04 23/06/1999 3 . 0 . 0  
TP-06 17/12/1999 3 . 1 . 0 test vectors provided 23/01/200

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* 2001-01-23: test vectors provided = same file as for 03.42 v7.1.1.  
[get it](#)

## TS 23.057 Mobile Execution Environment (MExE); Functional description; Stage 2

R99 *current version:* 3.4.0  
*freeze\_meeting:* SP-06

*WG (prime / other):* T2 / - *rapporteur:* BRENK, Lars TTPCom Ltd  
*G: yes U: yes* *MCC:* RODERMUND, Friedhelm

*history (event, available, version,*  
TP-03 28/04/1999 1 . 0 . 0  
TP-04 (MExE R98 18/06/1999 1 . 1 . 0  
GSM 03.57)  
TP-05 08/10/1999 1 . 5 . 0  
TP-06 completed 17/12/1999 3 . 0 . 0  
TP-07 15/03/2000 3 . 1 . 0  
Editorial 15/03/2000 3 . 1 . 1  
TP-08 23/06/2000 3 . 2 . 0  
TP-09 16/10/2000 3 . 3 . 0  
TP-11 27/03/2001 3 . 4 . 0

[get it](#) *remarks - general:* Apr-2001: " Station Application" removed from title.  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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

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## TS 23.060 General Packet Radio Service (GPRS) Service description; Stage 2

R99 *current version:* 3.15.0 *WG (prime / other):* S2 / - *rapporteur:* ZHAO, Yilin MOTOROLA Ltd  
*freeze\_meeting:* SP-03 *G:* yes *U:* yes *MCC:* YOON, Sang-Ui

*history (event, available, version,*

SP-05	13/10/1999	3	.	1	.	0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4
SP-06	23/12/1999	3	.	2	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
SP-07	15/03/2000	3	.	3	.	0	<a href="#">get it</a>	
SP-08	28/06/2000	3	.	4	.	0	<a href="#">get it</a>	
SP-09	04/11/2000	3	.	5	.	0	<a href="#">get it</a>	
SP-10	12/01/2001	3	.	6	.	0	<a href="#">get it</a>	
SP-11	06/04/2001	3	.	7	.	0	<a href="#">get it</a>	
SP-12	29/06/2001	3	.	8	.	0	<a href="#">get it</a>	
SP-13	12/10/2001	3	.	9	.	0	<a href="#">get it</a>	
SP-14	09/01/2002	3	.	10	.	0	<a href="#">get it</a>	
edito		3	.	10	.	1		
SP-15	07/04/2002	3	.	11	.	0	<a href="#">get it</a>	
SP-16	17/06/2002	3	.	12	.	0	<a href="#">get it</a>	
SP-17	02/10/2002	3	.	13	.	0	<a href="#">get it</a>	
SP-18	10/01/2003	3	.	14	.	0	<a href="#">get it</a>	
SP-20	20/06/2003	3	.	15	.	0	<a href="#">get it</a>	

## 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,*

NP-05	13/10/1999	3	.	1	.	0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4, CR at TSG#5
NP-07	15/03/2000	3	.	2	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
NP-08	23/06/2000	3	.	3	.	0	<a href="#">get it</a>	

## 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,*

NP-03	23/04/1999	3	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
NP-07	15/03/2000	3	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
NP-10	21/12/2000	3	.	2	.	0	<a href="#">get it</a>	
NP-12	27/06/2001	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,  
NP-03 23/04/1999 3 . 0 . 0  
NP-05 13/10/1999 3 . 1 . 0  
NP-06 17/12/1999 3 . 2 . 0  
NP-09 26/10/2000 3 . 3 . 0

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

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**TS 23.078 Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2**

R99 current version: 3.17.0  
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,  
NP-03 23/04/1999 3 . 0 . 0  
NP-04 23/06/1999 3 . 1 . 0  
NP-05 13/10/1999 3 . 2 . 0  
NP-06 17/12/1999 3 . 3 . 0  
NP-07 15/03/2000 3 . 4 . 0  
NP-08 23/06/2000 3 . 5 . 0  
NP-09 09/10/2000 3 . 6 . 0  
NP-10 04/01/2001 3 . 7 . 0  
NP-11 02/04/2001 3 . 8 . 0  
NP-12 29/06/2001 3 . 9 . 0  
NP-13 03/10/2001 3 . 10 . 0  
NP-14 04/01/2002 3 . 11 . 0  
NP-15 19/03/2002 3 . 12 . 0  
NP-16 17/06/2002 3 . 13 . 0  
NP-17 17/09/2002 3 . 14 . 0  
NP-18 18/12/2002 3 . 15 . 0  
NP-19 25/03/2003 3 . 16 . 0  
NP-20 23/06/2003 3 . 17 . 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.  
[get it](#)  
[get it](#)  
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G = required in systems with GERAN acces; U = required in systems with UMTS

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

R99 *current version:* 3.8.0 *freeze\_meeting:* SP-03  
*WG (prime / other):* N4 / - *rapporteur:* PARK, Ian David VODAFONE LTD  
Chalmers  
*G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*  
NP-03 23/04/1999 3 . 0 . 0 [get it](#) *remarks - general:* CR at TSG#4,CR at TSG#5  
NP-04 23/06/1999 3 . 1 . 0 [get it](#) *remarks - this release:*  
NP-05 13/10/1999 3 . 2 . 0 [get it](#)  
NP-06 15/12/1999 3 . 3 . 0 [get it](#)  
NP-07 15/03/2000 3 . 4 . 0 [get it](#)  
NP-08 23/06/2000 3 . 5 . 0 [get it](#)  
NP-09 26/10/2000 3 . 6 . 0 [get it](#)  
NP-16 21/06/2002 3 . 7 . 0 [get it](#)  
NP-18 07/01/2003 3 . 8 . 0 [get it](#)

## TS 23.081 Line Identification supplementary services; Stage 2

R99 *current version:* 3.2.0 *freeze\_meeting:* SP-03  
*WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
KYMALA INEN, Kimmo  
*G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*  
NP-03 23/04/1999 3 . 0 . 0 [get it](#) *remarks - general:*  
edito 06/06/2000 3 . 0 . 1 [get it](#) *remarks - this release:*  
NP-08 23/06/2000 3 . 1 . 0 [get it](#)  
NP-17 24/09/2002 3 . 2 . 0 [get it](#)

## TS 23.082 Call Forwarding (CF) Supplementary Services; Stage 2

R99 *current version:* 3.7.0 *freeze\_meeting:* SP-03  
*WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
KYMALAINEN, Kimmo  
*G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*  
NP-03 23/04/1999 3 . 0 . 0 [get it](#) *remarks - general:*  
NP-05 13/10/1999 3 . 1 . 0 [get it](#) *remarks - this release:*  
NP-07 15/03/2000 3 . 2 . 0 [get it](#)  
NP-08 23/06/2000 3 . 3 . 0 [get it](#)  
NP-09 26/10/2000 3 . 4 . 0 [get it](#)  
NP-10 21/12/2000 3 . 5 . 0 [get it](#)  
NP-12 27/06/2001 3 . 6 . 0 [get it](#)  
NP-16 21/06/2002 3 . 7 . 0 [get it](#)

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<b>TS 23.083</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2</b>					
R99	current version: 3.2.0	WG (prime / other):	N4 / -	rapporteur:	RUSSELL, Nick	VODAFONE LTD
	freeze_meeting: SP-03	G: yes	U: yes	MCC:	KYMALAINEN, Kimmo	
	history (event, available, version,					
	NP-03 23/04/1999	3	. 0 . 0	<a href="#">get it</a>	remarks - general:	
	NP-06 17/12/1999	3	. 1 . 0	<a href="#">get it</a>	remarks - this release:	
	NP-09 26/10/2000	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	current version: 3.2.0	WG (prime / other):	N4 / -	rapporteur:	RUSSELL, Nick	VODAFONE LTD
	freeze_meeting: SP-03	G: yes	U: yes	MCC:	KYMALAINEN, Kimmo	
	history (event, available, version,					
	NP-03 23/04/1999	3	. 0 . 0	<a href="#">get it</a>	remarks - general:	
	NP-06 17/12/1999	3	. 1 . 0	<a href="#">get it</a>	remarks - this release:	
	NP-09 26/10/2000	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	current version: 3.1.0	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,					
	NP-03 23/04/1999	3	. 0 . 0	<a href="#">get it</a>	remarks - general:	
	edito 06/06/2000	3	. 0 . 1	<a href="#">get it</a>	remarks - this release:	
	NP-09 26/10/2000	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	current version: 3.1.0	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,					
	NP-03 23/04/1999	3	. 0 . 0	<a href="#">get it</a>	remarks - general:	
	edito 06/06/2000	3	. 0 . 1	<a href="#">get it</a>	remarks - this release:	
	NP-09 26/10/2000	3	. 1 . 0	<a href="#">get it</a>		

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**TS 23.087 User-to-User Signalling (UUS) supplementary service; Stage 2**

R99 *current version:* 3.1.0 *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,*  
NP-03 23/04/1999 3 . 0 . 0 [get it](#) *remarks - general:*  
edito 06/06/2000 3 . 0 . 1 [get it](#) *remarks - this release:*  
NP-09 26/10/2000 3 . 1 . 0 [get it](#)

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**TS 23.088 Call Barring (CB) Supplementary Service; Stage 2**

R99 *current version:* 3.2.0 *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,*  
NP-03 23/04/1999 3 . 0 . 0 [get it](#) *remarks - general:*  
NP-07 15/03/2000 3 . 1 . 0 [get it](#) *remarks - this release:*  
NP-09 26/10/2000 3 . 2 . 0 [get it](#)

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**TS 23.090 Unstructured Supplementary Service Data (USSD); Stage 2**

R99 *current version:* 3.2.0 *WG (prime / other):* N4 / - *rapporteur:* CROOK, Mick ORANGE PCS LTD  
*freeze\_meeting:* SP-03 *G: yes U: yes* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version,*  
NP-03 23/04/1999 3 . 0 . 0 [get it](#) *remarks - general:*  
NP-06 17/12/1999 3 . 1 . 0 [get it](#) *remarks - this release:*  
NP-09 26/10/2000 3 . 2 . 0 [get it](#)

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**TS 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2**

R99 *current version:* 3.2.0 *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,*  
NP-03 23/04/1999 3 . 0 . 0 [get it](#) *remarks - general:*  
NP-06 17/12/1999 3 . 1 . 0 [get it](#) *remarks - this release:*  
ETSI Publication 07/11/2000 3 . 2 . 0 [get it](#)

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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,</i>						
	NP-03 23/04/1999 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
	NP-06 17/12/1999 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>				
	NP-09 26/10/2000 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,</i>						
	NP-06 17/12/1999 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4. GSM only @TSG#5				
	NP-07 15/03/2000 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> Transfer>TSG#6.				
	NP-09 26/10/2000 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,</i>						
	NP-03 23/04/1999 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
	edito 06/06/2000 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,</i>						
	NP-05 13/10/1999 3 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4,CR at TSG#5				
	NP-06 17/12/1999 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>				
	NP-07 15/03/2000 3 . 1 . 1	<a href="#">get it</a>					

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## TS 23.101 General UMTS Architecture

R99 *current version:* 3.1.0  
*freeze\_meeting:* SP-04

*WG (prime / other):* S2 / - *rapporteur:* OLSSON, Magnus  
*G:* U: yes *MCC:* YOON, Sang-Ui  
Telefon AB LM Ericsson

*history (event, available, version,*  
First complete 13/06/1997 0 . 1 . 0  
Transfer to SP SA 04/03/1999 0 . 1 . 1  
WG2  
SP-03 23/04/1999 3 . 0 . 0  
SP-04 23/06/1999 3 . 0 . 1  
SP-10 21/12/2000 3 . 1 . 0

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

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## TS 23.107 Quality of Service (QoS) concept and architecture

R99 *current version:* 3.9.0  
*freeze\_meeting:* SP-05

*WG (prime / other):* S2 / - *rapporteur:* GREIS, Marc  
*G:* U: yes *MCC:* YOON, Sang-Ui  
NOKIA Corporation

*history (event, available, version,*  
SP-05 13/10/1999 3 . 0 . 0  
SP-06 17/12/1999 3 . 1 . 0  
SP-07 15/03/2000 3 . 2 . 0  
SP-08 28/06/2000 3 . 3 . 0  
SP-09 19/10/2000 3 . 4 . 0  
SP-10 22/12/2000 3 . 5 . 0  
SP-11 14/05/2001 3 . 6 . 0  
SP-14 07/01/2002 3 . 7 . 0 CR072r1 erroneously implemented;  
anticipate correction at SP-15.  
SP-15 07/04/2002 3 . 8 . 0  
SP-17 24/09/2002 3 . 9 . 0

[get it](#) *remarks - general:* was 23.907  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 23.108 Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)

R99 *current version:* 3.2.0  
*freeze\_meeting:* SP-04

*WG (prime / other):* N1 / - *rapporteur:* DOIG, Ian  
*G:* yes *U:* yes *MCC:* JORGENSEN, Per Johan  
MOTOROLA S.A.S

*history (event, available, version,*  
NP-03 23/04/1999 0 . 0 . 0  
NP-05 13/10/1999 3 . 0 . 0  
NP-04 23/06/1999 3 . 0 . 0  
NP-06 17/12/1999 3 . 1 . 0  
NP-07 15/03/2000 3 . 2 . 0

[get it](#) *remarks - general:* This is clause 7 from 04.08 ex R98.  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 23.110 UMTS Access Stratum Services and Functions

R99 current version: 3.4.0  
freeze\_meeting: SP-07

WG (prime / other): S2 / - rapporteur: LOPEZ-TORRES, Oscar T-MOBILE DEUTSCHLAND  
G: yes U: yes MCC: YOON, Sang-Ui

history (event, available, version,  
draft 15/02/1997 0 . 3 . 0  
Transfer to SP S2 04/03/1999 0 . 3 . 1  
SP-03 23/04/1999 3 . 1 . 0  
SP-05 13/10/1999 3 . 2 . 0  
SP-06 17/12/1999 3 . 3 . 0  
SP-07 15/03/2000 3 . 4 . 0

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

## TS 23.116 Super-Charger technical realization; Stage 2

R99 current version: 3.2.0  
freeze\_meeting: SP-07

WG (prime / other): N4 / - rapporteur: ALLEN, Nicholas Indicate persons who left Company and wait for new One  
G: yes U: yes MCC: KYMALAINEN, Kimmo

history (event, available, version,  
NP-04 30/04/1999 0 . 0 . 0  
NP-06 17/12/1999 1 . 0 . 0  
NP-07 15/03/2000 3 . 0 . 0  
NP-12 27/06/2001 3 . 1 . 0  
NP-14 10/01/2002 3 . 2 . 0

[get it](#) remarks - general: New after TSG#5  
[get it](#) remarks - this release:  
[get it](#)  
[get it](#)

## TS 23.119 Gateway Location Register (GLR); Stage2

R99 current version: 3.0.0  
freeze\_meeting: SP-07

WG (prime / other): N4 / - rapporteur: SAWADA, Masahiro NTT DoCoMo Inc.  
G: yes U: yes MCC: KYMALAINEN, Kimmo

history (event, available, version,  
draft 01/08/1999 0 . 1 . 0  
draft 01/09/1999 0 . 2 . 0  
draft 01/10/1999 0 . 3 . 0  
draft 01/11/1999 0 . 4 . 0  
draft 15/11/1999 0 . 5 . 0  
N2b, Milan 28/02/2000 1 . 0 . 0  
NP-07 21/11/2000 2 . 0 . 0  
NP-10 09/01/2001 3 . 0 . 0

[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](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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

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[http://www.3gpp.org/ftp/Specs/archive/23\\_series](http://www.3gpp.org/ftp/Specs/archive/23_series)

## TS 23.121 Architectural requirements for Release 1999

R99 current version: 3.6.0  
freeze\_meeting: SP-04

WG (prime / other): S2 / - rapporteur: DANIEL, Elizabeth  
G: yes U: yes MCC: YOON, Sang-Ui

Lucent Technologies Network Systems UK

history (event, available, version,  
First complete 23/04/1999 0 . 0 . 0  
SP-03 23/04/1999 1 . 0 . 0  
draft 01/06/1999 1 . 0 . 1  
draft 20/06/1999 2 . 0 . 0  
SP-04 23/06/1999 3 . 0 . 0  
SP-05 13/10/1999 3 . 1 . 0  
SP-06 17/12/1999 3 . 2 . 0  
SP-07 15/03/2000 3 . 3 . 0  
SP-09 19/10/2000 3 . 4 . 0  
SP-10 20/12/2000 3 . 5 . 0  
edito 01/02/2001 3 . 5 . 1  
SP-16 18/06/2002 3 . 6 . 0

[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](#)  
[get it](#)  
[get it](#)

## TS 23.122 Non-Access-Stratum functions related to Mobile Station (MS) in idle mode

R99 current version: 3.9.0  
freeze\_meeting: SP-03

WG (prime / other): N1 / - rapporteur: HIETALAHTI, Hannu NOKIA Corporation  
G: U: yes MCC: JORGENSEN, Per Johan

history (event, available, version,  
NP-03 23/04/1999 3 . 0 . 0  
NP-04 23/06/1999 3 . 1 . 0  
editorial correction 10/02/2000 3 . 1 . 1  
NP-07 15/03/2000 3 . 2 . 0  
NP-08 23/06/2000 3 . 3 . 0  
NP-09 06/10/2000 3 . 4 . 0  
edito 24/10/2000 3 . 4 . 1  
edito 02/11/2000 3 . 4 . 2  
NP-10 02/01/2001 3 . 5 . 0  
NP-11 11/04/2001 3 . 6 . 0  
NP-12 05/07/2001 3 . 7 . 0  
NP-17 17/09/2002 3 . 8 . 0  
NP-18 18/12/2002 3 . 9 . 0

[get it](#) remarks - general:  
[get it](#) remarks - this release: Created at TSG#6, CR@TSG#6, Was briefly 23.022. But regenerated from 03.22 in  
June99. Expect 3.1.0 to correct erroneous incorporation of a CR. Expect 3.1.1 to  
undo erroneously incorporated CR.  
[get it](#)  
[get it](#)  
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G = required in systems with GERAN acces; U = required in systems with UMTS

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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, ERICSSON RESEARCH CANADA  
*freeze\_meeting:* SP-07 *G:* U: yes *MCC:* YOON, Sang-Ui  
*history (event, available, version,*  
SP-05 13/10/1999 0 . 3 . 0 [get it](#) *remarks - general:* Sept 00: "Open Service Architecture" removed from title.  
SP-07 2 . 0 . 0 SP-000089 *remarks - this release:*  
SP-07 17/12/1999 3 . 0 . 0 [get it](#)  
SP-08 28/06/2000 3 . 1 . 0 [get it](#)  
SP-09 06/11/2000 3 . 2 . 0 [get it](#)  
SP-10 21/12/2000 3 . 3 . 0 [get it](#)  
SP-12 29/06/2001 3 . 4 . 0 [get it](#)

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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,*  
NP-07 15/03/2000 1 . 1 . 0 [get it](#) *remarks - general:*  
NP-07 15/03/2000 3 . 0 . 0 [get it](#) *remarks - this release:*  
NP-08 23/06/2000 3 . 1 . 0 [get it](#)  
NP-09 25/10/2000 3 . 2 . 0 [get it](#)

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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 SIEMENS AG  
*freeze\_meeting:* SP-07 *G:* yes *U:* yes *MCC:* RODERMUND, Friedhelm  
*history (event, available, version,*  
TP-03 23/04/1999 0 . 0 . 0 [get it](#) *remarks - general:*  
TP-05 08/10/1999 0 . 1 . 0 [get it](#) *remarks - this release:*  
TP-06 17/12/1999 1 . 0 . 0 [get it](#)  
TP-07 15/03/2000 2 . 0 . 0 TP-000028 [get it](#)  
Editorial 15/03/2000 3 . 0 . 1 [get it](#)  
TP-16 24/06/2002 3 . 1 . 0 [get it](#)

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

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## TS 23.171 Location Services (LCS); Functional description; Stage 2 (UMTS)

R99 *current version:* 3.10.0 *WG (prime / other):* S2 / - *rapporteur:* KÅLL, Jan NOKIA Corporation  
*freeze\_meeting:* SP-07 *G:* U: yes *MCC:* YOON, Sang-Ui  
*history (event, available, version,*  
SP-05 13/10/1999 1 . 0 . 0 [get it](#) *remarks - general:*  
SP-06 17/12/1999 1 . 1 . 0 [get it](#) *remarks - this release:*  
SP-07 2 . 0 . 0 SP-000090  
SP-07 15/03/2000 3 . 0 . 0 [get it](#)  
SP-08 28/06/2000 3 . 1 . 0 [get it](#)  
SP-10 21/12/2000 3 . 2 . 0 [get it](#)  
SP-11 11/04/2001 3 . 3 . 0 [get it](#)  
SP-12 29/06/2001 3 . 4 . 0 [get it](#)  
SP-13 15/10/2001 3 . 5 . 0 [get it](#)  
SP-14 07/01/2002 3 . 6 . 0 [get it](#)  
SP-15 29/03/2002 3 . 7 . 0 [get it](#)  
SP-16 18/06/2002 3 . 8 . 0 [get it](#)  
SP-17 24/09/2002 3 . 9 . 0 [get it](#)  
SP-20 23/06/2003 3 . 10 . 0 [get it](#)

## TR 23.814 Separating RR and MM specific parts of the MS Classmark

R99 *current version:* 3.1.0 *WG (prime / other):* N1 / - *rapporteur:* YOKOTA, Fumihiko Fujitsu Limited  
*freeze\_meeting:* SP-06 *G:* U: yes *MCC:* JORGENSEN, Per Johan  
*history (event, available, version,*  
NP-05 08/10/1999 0 . 0 . 0 [get it](#) *remarks - general:* New after TSG#5  
NP-06 17/12/1999 3 . 0 . 0 [get it](#) *remarks - this release:* TSG #5: 3.0.0: accidentally 3.1.0, but no tech change.  
editorial (!) 24/01/2000 3 . 1 . 0 [get it](#)

## TR 23.908 Technical report on Pre-Paging

R99 *current version:* 3.0.1 *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*freeze\_meeting:* SP-04 *G:* yes U: yes *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version,*  
NP-03 23/04/1999 0 . 0 . 0 [get it](#) *remarks - general:*  
NP-04 23/06/1999 3 . 0 . 0 [get it](#) *remarks - this release:* .  
edito 02/05/2000 3 . 0 . 1 [get it](#)

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

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**TR 23.909 Technical report on the Gateway Location Register**

R99 *current version:* 3.0.1  
*freeze\_meeting:* SP-04

*WG (prime / other):* N4 / - *rapporteur:* PARK, Ian David VODAFONE LTD  
Chalmers  
*G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*  
NP-03 23/04/1999 0 . 0 . 0  
NP-04 23/06/1999 3 . 0 . 0  
edito 03/05/2000 3 . 0 . 1

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

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**TR 23.910 Circuit switched data bearer services**

R99 *current version:* 3.6.0  
*freeze\_meeting:* SP-07

*WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*G:* yes *U:* yes *MCC:* BOSWARTHICK, David

*history (event, available, version,*  
NP-04 23/06/1999 0 . 0 . 0  
NP-05 13/10/1999 0 . 1 . 0  
NP-06 17/12/1999 1 . 0 . 0  
NP-07 2 . 0 . 0  
NP-07 15/03/2000 3 . 0 . 0  
NP-08 23/06/2000 3 . 1 . 0  
NP-09 18/10/2000 3 . 2 . 0  
NP-10 22/12/2000 3 . 3 . 0  
NP-11 06/04/2001 3 . 4 . 0  
NP-12 28/06/2001 3 . 5 . 0  
NP-17 17/09/2002 3 . 6 . 0

[get it](#) *remarks - general:* 03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)  
[get it](#) *remarks - this release:*  
[get it](#)

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**TR 23.911 Technical report on Out-of-band transcoder control**

R99 *current version:* 3.0.1  
*freeze\_meeting:* SP-05

*WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*  
Creation of WI by 13/10/1999 0 . 0 . 1  
WG/TB  
NP-05 13/10/1999 3 . 0 . 0  
edito 02/05/2000 3 . 0 . 1

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

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



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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	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>				
	Creation of WI by 13/10/1999 0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>		
	WG/TB		<i>remarks - this release:</i> .		
	NP-05 13/10/1999 3 . 0 . 0	<a href="#">get it</a>			
	edito 02/05/2000 3 . 0 . 1	<a href="#">get it</a>			
	edito 09/05/2000 3 . 0 . 2	<a href="#">get it</a>			
	NP-14 10/01/2002 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	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> YOON, Sang-Ui		
	<i>history (event, available, version,</i>				
	SP-03 23/04/1999 0 . 5 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-04 23/06/1999 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 15/10/1999 1 . 0 . 0	<a href="#">get it</a>			
	SP-06 05/06/2000 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	<i>G:</i> <i>U:</i> yes	<i>MCC:</i> YOON, Sang-Ui		
	<i>history (event, available, version,</i>				
	Table of Contents 15/11/1997 0 . 1 . 1	<a href="#">get it</a>	<i>remarks - general:</i>		
	and Scope		<i>remarks - this release:</i> .		
	First complete 01/04/1999 1 . 0 . 0	<a href="#">get it</a>			
	SP-03 23/04/1999 1 . 2 . 1	<a href="#">get it</a>			
	SP-04 23/06/1999 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

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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, Ericsson Incorporated  
Rouzbeh

G: U: yes MCC: JORGENSEN, Per Johan

history (event, available, version,

Start of work	21/10/1999	0	.	0	.	1
N1-08	21/10/1999	0	.	0	.	2
N1-09	09/12/1999	0	.	0	.	3
N1-08 revision	29/10/1999	0	.	0	.	3
NP-07	15/03/2000	3	.	0	.	0

[get it](#) remarks - general: New after TSG#5. Minor title change TSG#7.

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

[get it](#)

[get it](#)

[get it](#)

[get it](#)

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R99

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

R99  
current version: 3.1.1  
freeze\_meeting: SP-07

WG (prime / other): N1 / - rapporteur: ANDERSEN, Niels MOTOROLA A/S  
Peter Skov

G: yes U: yes MCC: JORGENSEN, Per Johan

history (event, available, version,

NP-07	17/03/2000	3	.	0	.	0
NP-10	02/01/2001	3	.	1	.	0
correction of typo on cover page	02/06/2003	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

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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

*WG (prime / other):* N1 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*G: yes U: yes* *MCC:* JORGENSEN, Per Johan

*history (event, available, version,*

transfer from 3 . 0 . 0 not available

NP-05 13/10/1999 3 . 1 . 0

NP-06 17/12/1999 3 . 2 . 0

NP-07 15/03/2000 3 . 3 . 0

edito 25/04/2000 3 . 3 . 1

NP-08 23/06/2000 3 . 4 . 0

NP-09 06/10/2000 3 . 5 . 0

NP-10 02/01/2001 3 . 6 . 0

NP-11 11/04/2001 3 . 7 . 0

NP-14 04/01/2002 3 . 8 . 0

NP-16 24/06/2002 3 . 9 . 0

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*remarks - general:* Transfer>TSG#4,CR at TSG#5

*remarks - this release:*

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

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

R99 *current version:* 3.16.0  
*freeze\_meeting:* SP-03

*WG (prime / other):* N1 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*G:* yes *U:* yes *MCC:* JORGENSEN, Per Johan

*history (event, available, version,*

NP-03	23/04/1999	0	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i> CR correction produced 3.0.1, CR at TSG#5. Outstanding issues not expected to
NP-04	23/06/1999	3	.	0	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> be resolved till Jun00.
NP-05	13/10/1999	3	.	1	.	0	<a href="#">get it</a>	
NP-06	27/12/1999	3	.	2	.	0	<a href="#">get it</a>	
editorial correction	04/01/2000	3	.	2	.	1	<a href="#">get it</a>	
NP-07	15/03/2000	3	.	3	.	0	<a href="#">get it</a>	
edito	25/04/2000	3	.	3	.	1	<a href="#">get it</a>	
NP-08	23/06/2000	3	.	4	.	0	<a href="#">get it</a>	
Editorial	23/06/2000	3	.	4	.	1	<a href="#">get it</a>	
NP-09	06/10/2000	3	.	5	.	0	<a href="#">get it</a>	
NP-10	03/01/2001	3	.	6	.	0	<a href="#">get it</a>	
NP-11	06/04/2001	3	.	7	.	0	<a href="#">get it</a>	
edito	06/07/2001	3	.	7	.	1	<a href="#">get it</a>	
NP-12	13/07/2001	3	.	8	.	0	<a href="#">get it</a>	
NP-13	03/10/2001	3	.	9	.	0	<a href="#">get it</a>	
NP-14	11/01/2002	3	.	10	.	0	<a href="#">get it</a>	
NP-15	22/03/2002	3	.	11	.	0	<a href="#">get it</a>	
NP-16	24/06/2002	3	.	12	.	0	<a href="#">get it</a>	
NP-17	17/09/2002	3	.	13	.	0	<a href="#">get it</a>	
NP-18	02/01/2003	3	.	14	.	0	<a href="#">get it</a>	
NP-19	24/03/2003	3	.	15	.	0	<a href="#">get it</a>	
NP-20	27/06/2003	3	.	16	.	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  
*freeze\_meeting:* SP-03

*WG (prime / other):* N4 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*Peter Skov*  
*G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*

NP-03	23/04/1999	3	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
NP-08	23/06/2000	3	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
NP-14	10/01/2002	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

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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	current version: 3.6.0	WG (prime / other):	N1 / T2	rapporteur:	ANDERSEN, Niels	MOTOROLA A/S	
	freeze_meeting: SP-05				Peter Skov		
	history (event, available, version,	G: yes	U: yes	MCC:	JORGENSEN, Per Johan		
	NP-05 13/10/1999						<a href="#">get it</a> remarks - general: Transfer>TSG#4
	NP-06 17/12/1999						<a href="#">get it</a> remarks - this release:
	NP-07 15/03/2000						<a href="#">get it</a>
	NP-08 23/06/2000						<a href="#">get it</a>
	NP-09 06/10/2000						<a href="#">get it</a>
	NP-10 02/01/2001						<a href="#">get it</a>
	NP-11 06/04/2001						<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	current version: 3.5.0	WG (prime / other):	N3 / -	rapporteur:	KLEHN, Norbert	SIEMENS AG	
	freeze_meeting: SP-03				BOSWARTHICK, David		
	history (event, available, version,	G: yes	U: yes	MCC:			
	NP-03 23/04/1999						<a href="#">get it</a> remarks - general: CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link
	NP-05 13/10/1999						<a href="#">get it</a> remarks - this release: Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and
							the Base Station System - Mobile-services Switching Centre (BSS-MSC)
	NP-06 11/01/2000						<a href="#">get it</a>
	NP-08 23/06/2000						<a href="#">get it</a>
	edito 17/08/2000						<a href="#">get it</a>
	NP-09 12/10/2000						<a href="#">get it</a>
	NP-20 23/06/2003						<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	current version: 3.3.0	WG (prime / other):	N4 / -	rapporteur:	GARAPATY, Sonia	Nortel Networks (USA)	
	freeze_meeting: SP-08				KYMALAINEN, Kimmo		
	history (event, available, version,	G: yes	U: yes	MCC:			
	NP-07 17/03/2000						<a href="#">get it</a> remarks - general: TSG#7: txfrd from SMG to 3GPP for R99.
	NP-08 23/06/2000						<a href="#">get it</a> remarks - this release: TSG#7:Decision to create.
	NP-12 27/06/2001						<a href="#">get it</a>
	NP-14 10/01/2002						<a href="#">get it</a>

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

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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,</i>					
	NP-03 23/04/1999 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-10 21/12/2000 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	NP-12 27/06/2001 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,</i>					
	NP-03 23/04/1999 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> 3.7.0	<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,</i>					
	NP-03 23/04/1999 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-06 17/12/1999 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	NP-07 15/03/2000 3 . 2 . 0	<a href="#">get it</a>				
	NP-08 23/06/2000 3 . 3 . 0	<a href="#">get it</a>				
	NP-09 26/10/2000 3 . 4 . 0	<a href="#">get it</a>				
	ASN.1 annex 24/01/2001 3 . 4 . 1	<a href="#">get it</a>				
	updated					
	NP-12 04/07/2001 3 . 5 . 0	<a href="#">get it</a>				
	NP-14 10/01/2002 3 . 6 . 0	<a href="#">get it</a>				
	NP-16 21/06/2002 3 . 7 . 0	<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,</i>					
	NP-03 23/04/1999 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-08 23/06/2000 3 . 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

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<b>TS 24.082</b>	<b>Call Forwarding supplementary service; Stage 3</b>					
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, NP-03 23/04/1999 3 . 0 . 0			<a href="#">get it</a>	remarks - general: remarks - this release: .	
<hr/>						
<b>TS 24.083</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3</b>					
R99	current version: 3.0.0	WG (prime / other):	N4 / -	rapporteur:	RUSSELL, Nick	VODAFONE LTD
	freeze_meeting: SP-03	G: yes	U: yes	MCC:	KYMALAINEN, Kimmo	
	history (event, available, version, NP-03 23/04/1999 3 . 0 . 0			<a href="#">get it</a>	remarks - general: remarks - this release: .	
<hr/>						
<b>TS 24.084</b>	<b>MultiParty (MPTY) Supplementary Service; Stage 3</b>					
R99	current version: 3.0.0	WG (prime / other):	N4 / -	rapporteur:	RUSSELL, Nick	VODAFONE LTD
	freeze_meeting: SP-03	G: yes	U: yes	MCC:	KYMALAINEN, Kimmo	
	history (event, available, version, NP-03 23/04/1999 3 . 0 . 0			<a href="#">get it</a>	remarks - general: remarks - this release: .	
<hr/>						
<b>TS 24.085</b>	<b>Closed User Group (CUG) Supplementary Service; Stage 3</b>					
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, NP-03 23/04/1999 3 . 0 . 0			<a href="#">get it</a>	remarks - general: remarks - this release: .	
<hr/>						
<b>TS 24.086</b>	<b>Advice of Charge (AoC) Supplementary Service; Stage 3</b>					
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, NP-03 23/04/1999 3 . 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

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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	<i>G: yes U: yes</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version,</i>					
	NP-03 23/04/1999 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	<i>G: yes U: yes</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version,</i>					
	NP-03 23/04/1999 3 . 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>					
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	<i>G: yes U: yes</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version,</i>					
	NP-03 23/04/1999 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	<i>G: yes U: yes</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version,</i>					
	NP-03 23/04/1999 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	<i>G: yes U: yes</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version,</i>					
	NP-03 23/04/1999 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</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,*  
NP-03 23/04/1999 3 . 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

R99 *current version:* 3.2.0  
*freeze\_meeting:* SP-07  
*history (event, available, version,*  
NP-07 15/03/2000 3 . 0 . 0  
NP-08 23/06/2000 3 . 1 . 0  
NP-14 10/01/2002 3 . 2 . 0

*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:*  
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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 25.102 User Equipment (UE) radio transmission and reception (TDD)

R99 current version: 3.12.0

freeze\_meeting: SP-05

history (event, available, version,

Table of Contents 04/02/1999 0 . 0 . 0  
and Scope

First complete 04/03/1999 1 . 0 . 0

RP-05 13/10/1999 3 . 0 . 0

RP-06 17/12/1999 3 . 1 . 0

RP-07 15/03/2000 3 . 2 . 0

RP-08 23/06/2000 3 . 3 . 0

RP-09 18/10/2000 3 . 4 . 0

RP-10 22/12/2000 3 . 5 . 0

RP-11 05/04/2001 3 . 6 . 0

RP-12 29/06/2001 3 . 7 . 0

RP-13 03/10/2001 3 . 8 . 0

RP-14 14/01/2002 3 . 9 . 0

RP-15 29/03/2002 3 . 10 . 0

RP-16 01/07/2002 3 . 11 . 0

RP-17 02/10/2002 3 . 12 . 0

WG (prime / other): R4 / - rapporteur: KOTTKAMP, Meik SIEMENS AG  
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

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Server ACTIVE specs R99 25 .- series  
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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,

Table of Contents	04/02/1999	0	.	0	.	0
and Scope						
RP-03	23/04/1999	1	.	0	.	0
RP-04	23/06/1999	2	.	0	.	0
RP-05	13/10/1999	3	.	0	.	0
RP-06	17/12/1999	3	.	1	.	0
RP-07	15/03/2000	3	.	2	.	0
RP-08	23/06/2000	3	.	3	.	0
RP-09	13/10/2000	3	.	4	.	0
RP-10	22/12/2000	3	.	5	.	0
RP-11	05/04/2001	3	.	6	.	0
RP-12	29/06/2001	3	.	7	.	0
RP-13	03/10/2001	3	.	8	.	0
RP-14	14/01/2002	3	.	9	.	0
RP-15	29/03/2002	3	.	10	.	0
RP-18	10/01/2003	3	.	11	.	0
RP-19	04/04/2003	3	.	12	.	0

WG (prime / other): R4 / - rapporteur: SKÖLD, Johan Telefon AB LM Ericsson  
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

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## TS 25.105 UTRA (BS) TDD: Radio transmission and reception

R99 current version: 3.13.0

freeze\_meeting: SP-05

history (event, available, version,

First complete	04/03/1999	0	.	0	.	0
RP-03	23/04/1999	1	.	0	.	0
RP-04	23/06/1999	1	.	1	.	0
RP-05	13/10/1999	3	.	0	.	0
RP-06	17/12/1999	3	.	1	.	0
RP-07	15/03/2000	3	.	2	.	0
RP-08	23/06/2000	3	.	3	.	0
RP-09	11/10/2000	3	.	4	.	0
RP-10	22/12/2000	3	.	5	.	0
RP-11	05/04/2001	3	.	6	.	0
RP-12	29/06/2001	3	.	7	.	0
RP-13	03/10/2001	3	.	8	.	0
RP-14	16/01/2002	3	.	9	.	0
RP-15	29/03/2002	3	.	10	.	0
RP-16	01/07/2002	3	.	11	.	0
RP-18	10/01/2003	3	.	12	.	0
RP-19	04/04/2003	3	.	13	.	0

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

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

R99 current version: 3.5.0

freeze\_meeting: SP-06

history (event, available, version,

RP-03	23/04/1999	0	.	0	.	0
RP-05	13/10/1999	1	.	2	.	0
RP-06	12/12/1999	3	.	0	.	0
RP-07	15/03/2000	3	.	1	.	0
RP-08	23/06/2000	3	.	2	.	0
RP-09	13/10/2000	3	.	3	.	0
RP-10	22/12/2000	3	.	4	.	0
RP-11	05/04/2001	3	.	5	.	0

WG (prime / other): R4 / - rapporteur: BARNES, David DTI - Department of Trade and Industry  
G: U: yes MCC: GUTIERREZ MIGUELEZ, Cesar

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

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

R99 current version: 3.13.0

freeze\_meeting: SP-06

history (event, available, version,

RP-06	17/12/1999	3	.	0	.	0
RP-07	17/03/2000	3	.	1	.	0
edito	27/04/2000	3	.	1	.	1
RP-08	23/06/2000	3	.	2	.	0
RP-09	11/10/2000	3	.	3	.	0
RP-10	22/12/2000	3	.	4	.	0
RP-11	05/04/2001	3	.	5	.	0
RP-12	29/06/2001	3	.	6	.	0
RP-13	03/10/2001	3	.	7	.	0
RP-14	16/01/2002	3	.	8	.	0
RP-15	19/03/2002	3	.	9	.	0
RP-16	03/07/2002	3	.	10	.	0
RP-17	04/10/2002	3	.	11	.	0
RP-19	04/04/2003	3	.	12	.	0
RP-20	01/07/2003	3	.	13	.	0

WG (prime / other): R4 / - rapporteur: GUERRINI, Claudio TELECOM ITALIA S.p.A.  
G: U: yes MCC: GUTIERREZ MIGUELEZ, Cesar

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

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

R99 current version: 3.14.0

freeze\_meeting: SP-06

history (event, available, version,

RP-06	17/12/1999	3	.	0	.	0
RP-07	17/03/2000	3	.	1	.	0
RP-08	23/06/2000	3	.	2	.	0
RP-09	18/10/2000	3	.	3	.	0
RP-10	09/01/2001	3	.	4	.	0
RP-11	05/04/2001	3	.	5	.	0
RP-12	29/06/2001	3	.	6	.	0
RP-13	03/10/2001	3	.	7	.	0
RP-14	17/01/2002	3	.	8	.	0
RP-15	19/03/2002	3	.	9	.	0
RP-16	04/07/2002	3	.	10	.	0
RP-17	04/10/2002	3	.	11	.	0
RP-18	10/01/2003	3	.	12	.	0
RP-19	04/04/2003	3	.	13	.	0
RP-20	01/07/2003	3	.	14	.	0

WG (prime / other): R4 / - rapporteur: GUERRINI, Claudio TELECOM ITALIA S.p.A.  
G: U: yes MCC: GUTIERREZ MIGUELEZ, Cesar

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

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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,

Table of Contents 04/02/1999 0 . 0 . 1  
and Scope

First complete 23/04/1999 0 . 1 . 0

RP-03 23/04/1999 0 . 1 . 0

RP-04 23/06/1999 1 . 0 . 0

RP-05 13/10/1999 2 . 0 . 2

RP-06 12/12/1999 3 . 0 . 0

RP-07 15/03/2000 3 . 1 . 0

RP-08 23/06/2000 3 . 2 . 0

RP-09 11/10/2000 3 . 3 . 0

RP-10 22/12/2000 3 . 4 . 0

edito 09/01/2001 3 . 4 . 1

RP-11 05/04/2001 3 . 5 . 0

RP-12 29/06/2001 3 . 6 . 0

RP-13 03/10/2001 3 . 7 . 0

RP-14 16/01/2002 3 . 8 . 0

RP-15 29/03/2002 3 . 9 . 0

RP-16 04/07/2002 3 . 10 . 0

RP-17 04/10/2002 3 . 11 . 0

RP-18 10/01/2003 3 . 12 . 0

RP-19 04/04/2003 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



# 3GPP specification status

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Server ACTIVE specs R99 25 .- series  
[http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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

R99 current version: 3.13.0

freeze\_meeting: SP-06

history (event, available, version,

RP-03	23/04/1999	0	.	0	.	0
RP-04	23/06/1999	0	.	0	.	1
RP-05	13/10/1999	2	.	0	.	0
RP-06	12/12/1999	3	.	0	.	0
RP-07	15/03/2000	3	.	1	.	0
RP-08	23/06/2000	3	.	2	.	0
edito	31/07/2000	3	.	2	.	1
RP-09	11/10/2000	3	.	3	.	0
RP-10	22/12/2000	3	.	4	.	0
RP-11	05/04/2001	3	.	5	.	0
RP-12	29/06/2001	3	.	6	.	0
RP-13	03/10/2001	3	.	7	.	0
RP-14	16/01/2002	3	.	8	.	0
RP-15	29/03/2002	3	.	9	.	0
RP-16	04/07/2002	3	.	10	.	0
RP-17	04/10/2002	3	.	11	.	0
RP-18	10/01/2003	3	.	12	.	0
RP-19	04/04/2003	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,

Table of Contents and Scope	16/10/1998	0	.	0	.	0
First complete	15/02/1999	1	.	0	.	0
RP-03	23/04/1999	2	.	0	.	0
RP-04	23/06/1999	2	.	1	.	0
RP-05	13/10/1999	3	.	0	.	0
RP-07	15/03/2000	3	.	0	.	2
RP-08	23/06/2000	3	.	1	.	0
RP-14	09/01/2002	3	.	2	.	0
RP-15	29/03/2002	3	.	3	.	0
RP-16	28/06/2002	3	.	4	.	0

WG (prime / other): R1 / - rapporteur: TOSKALA, Antti NOKIA Corporation  
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

# 3GPP specification status

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Server ACTIVE specs R99 25 .- series  
[http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.211 Physical channels and mapping of transport channels onto physical channels (FDD)

R99	<i>current version:</i> 3.12.0	WG (prime / other): R1 / -	rapporteur: WILDE, Andreas	Telefon AB LM Ericsson
	<i>freeze_meeting:</i> SP-05	G: U: yes	MCC: SASAKI, Tsukasa	
<i>history (event, available, version,</i>				
Table of Contents	04/02/1999	0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
and Scope				<i>remarks - this release:</i>
First complete	04/03/1999	1 . 0 . 0	<a href="#">get it</a>	
RP-03	23/04/1999	2 . 0 . 0	<a href="#">get it</a>	
RP-04	23/06/1999	2 . 1 . 0	<a href="#">get it</a>	
RP-05	13/10/1999	3 . 0 . 0	<a href="#">get it</a>	
RP-06	12/12/1999	3 . 1 . 0	<a href="#">get it</a>	
RP-07	15/03/2000	3 . 2 . 0	<a href="#">get it</a>	
RP-08	23/06/2000	3 . 3 . 0	<a href="#">get it</a>	
RP-09	18/10/2000	3 . 4 . 0	<a href="#">get it</a>	
RP-10	22/12/2000	3 . 5 . 0	<a href="#">get it</a>	
RP-11	05/04/2001	3 . 6 . 0	<a href="#">get it</a>	
RP-12	28/06/2001	3 . 7 . 0	<a href="#">get it</a>	
RP-13	08/10/2001	3 . 8 . 0	<a href="#">get it</a>	
RP-14	09/01/2002	3 . 9 . 0	<a href="#">get it</a>	
RP-15	29/03/2002	3 . 10 . 0	<a href="#">get it</a>	
RP-16	28/06/2002	3 . 11 . 0	<a href="#">get it</a>	
RP-17	27/09/2002	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

# 3GPP specification status

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Server ACTIVE specs R99 25 .- series  
[http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

## TS 25.212 Multiplexing and channel coding (FDD)

R99 current version: 3.11.0

freeze\_meeting: SP-05

history (event, available, version,

Table of Contents and Scope	04/02/1999	0	. 0	. 0
RP-03	23/04/1999	1	. 0	. 0
RP-04	23/06/1999	2	. 0	. 0
RP-05	13/10/1999	3	. 0	. 0
RP-06	12/12/1999	3	. 1	. 0
RP-07	15/03/2000	3	. 2	. 0
RP-08	23/06/2000	3	. 3	. 0
RP-09	18/10/2000	3	. 4	. 0
RP-10	22/12/2000	3	. 5	. 0
RP-12	28/06/2001	3	. 6	. 0
RP-13	08/10/2001	3	. 7	. 0
RP-14	09/01/2002	3	. 8	. 0
RP-15	29/03/2002	3	. 9	. 0
RP-16	28/06/2002	3	. 10	. 0
RP-17	27/09/2002	3	. 11	. 0

WG (prime / other): R1 / - rapporteur: TANAKA, Y oshinori Fujitsu Limited  
G: U: yes MCC: SASAKI, Tsukasa

[get it](#) remarks - general:  
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## TS 25.213 Spreading and modulation (FDD)

R99 current version: 3.8.0

freeze\_meeting: SP-05

history (event, available, version,

draft	04/02/1999	0	. 0	. 0
draft	04/03/1999	1	. 0	. 0
RP-03	23/04/1999	2	. 0	. 0
RP-04	23/06/1999	2	. 1	. 0
RP-05	13/10/1999	3	. 0	. 0
RP-06	12/12/1999	3	. 1	. 0
RP-07	15/03/2000	3	. 2	. 0
RP-08	23/06/2000	3	. 3	. 0
RP-10	22/12/2000	3	. 4	. 0
RP-11	05/04/2001	3	. 5	. 0
RP-12	28/06/2001	3	. 6	. 0
RP-14	09/01/2002	3	. 7	. 0
RP-16	28/06/2002	3	. 8	. 0

WG (prime / other): R1 / - rapporteur: CHAMBERS, Peter SIEMENS AG  
G: U: yes MCC: SASAKI, Tsukasa

[get it](#) remarks - general:  
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G = required in systems with GERAN acces; U = required in systems with UMTS

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Server ACTIVE specs R99 25 .- series  
[http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.214 Physical layer procedures (FDD)

R99 current version: 3.12.0

freeze\_meeting: SP-05

history (event, available, version,

RP-03	23/04/1999	1	.	0	.	0
RP-05	13/10/1999	3	.	0	.	0
RP-06	12/12/1999	3	.	1	.	0
RP-07	15/03/2000	3	.	2	.	0
RP-08	23/06/2000	3	.	3	.	0
RP-09	18/10/2000	3	.	4	.	0
RP-10	22/12/2000	3	.	5	.	0
RP-11	05/04/2001	3	.	6	.	0
RP-12	28/06/2001	3	.	7	.	0
RP-13	08/10/2001	3	.	8	.	0
RP-14	09/01/2002	3	.	9	.	0
RP-15	29/03/2002	3	.	10	.	0
RP-17	27/09/2002	3	.	11	.	0
RP-19	04/04/2003	3	.	12	.	0

WG (prime / other): R1 / - rapporteur: IKEDA, Shinobu  
G: U: yes MCC: SASAKI, Tsukasa

NEC Corporation

[get it](#) remarks - general:  
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## TS 25.215 Physical layer; Measurements (FDD)

R99 current version: 3.12.0

freeze\_meeting: SP-05

history (event, available, version,

RP-05	13/10/1999	3	.	0	.	0
RP-06	12/12/1999	3	.	1	.	0
RP-07	15/03/2000	3	.	2	.	0
RP-08	23/06/2000	3	.	3	.	0
RP-09	18/10/2000	3	.	4	.	0
RP-10	22/12/2000	3	.	5	.	0
RP-11	05/04/2001	3	.	6	.	0
RP-12	28/06/2001	3	.	7	.	0
RP-13	08/10/2001	3	.	8	.	0
RP-14	09/01/2002	3	.	9	.	0
RP-15	29/03/2002	3	.	10	.	0
RP-17	27/09/2002	3	.	11	.	0
RP-20	27/06/2003	3	.	12	.	0

WG (prime / other): R1 / - rapporteur: IKEDA, Shinobu  
G: U: yes MCC: SASAKI, Tsukasa

NEC Corporation

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

# 3GPP specification status

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Server ACTIVE specs R99 25 .- series  
[http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.221 Physical channels and mapping of transport channels onto physical channels (TDD)

R99	<i>current version:</i> 3.11.0	WG (prime / other):	R1	/ -	<i>rapporteur:</i>	HIRAMATSU, Katsuhiko	Panasonic Mobile Communications Co.,Ltd.
	<i>freeze_meeting:</i> SP-05	G:	U: yes		<i>MCC:</i>	SASAKI, Tsukasa	
<i>history (event, available, version,</i>							
Table of Contents	04/02/1999	0	.	0	.	0	
and Scope							
RP-03	23/04/1999	1	.	0	.	0	
RP-04	23/06/1999	1	.	1	.	0	
RP-05	13/10/1999	3	.	0	.	0	
RP-06	12/12/1999	3	.	1	.	0	
RP-07	15/03/2000	3	.	2	.	0	
RP-08	23/06/2000	3	.	3	.	0	
RP-09	18/10/2000	3	.	4	.	0	
RP-10	22/12/2000	3	.	5	.	0	
RP-11	05/04/2001	3	.	6	.	0	
RP-12	28/06/2001	3	.	7	.	0	
RP-13	08/10/2001	3	.	8	.	0	
RP-14	09/01/2002	3	.	9	.	0	
RP-15	29/03/2002	3	.	10	.	0	
RP-17	27/09/2002	3	.	11	.	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

# 3GPP specification status

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Server ACTIVE specs R99 25 .- series  
[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,*

Table of Contents 04/02/1999 0 . 0 . 0

and Scope

RP-03 23/04/1999 1 . 0 . 0

RP-04 23/06/1999 2 . 0 . 0

RP-05 13/10/1999 3 . 0 . 0

RP-06 12/12/1999 3 . 1 . 0

RP-07 15/03/2000 3 . 2 . 0

edito 03/05/2000 3 . 2 . 1

RP-08 23/06/2000 3 . 3 . 0

RP-09 18/10/2000 3 . 4 . 0

RP-10 22/12/2000 3 . 5 . 0

RP-11 05/04/2001 3 . 6 . 0

RP-13 08/10/2001 3 . 7 . 0

RP-15 29/03/2002 3 . 8 . 0

RP-16 28/06/2002 3 . 9 . 0

RP-17 27/09/2002 3 . 10 . 0

*WG (prime / other):* R1 / - *rapporteur:* KAHTAVA, Jussi  
*G:* *U:* yes *MCC:* SASAKI, Tsukasa

Nokia Japan Co, Ltd

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

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

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Server ACTIVE specs R99 25 .- series  
[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,*

Creation of WI by 15/01/1999 0 . 0 . 0  
WG/TB

First complete 04/03/1999 1 . 0 . 0

RP-03 23/04/1999 2 . 0 . 0

RP-04 23/06/1999 2 . 1 . 0

RP-05 13/10/1999 3 . 0 . 0

RP-06 12/12/1999 3 . 1 . 0

RP-07 15/03/2000 3 . 2 . 0

RP-08 23/06/2000 3 . 3 . 0

RP-09 18/10/2000 3 . 4 . 0

RP-11 05/04/2001 3 . 5 . 0

RP-12 28/06/2001 3 . 6 . 0

RP-13 08/10/2001 3 . 7 . 0

RP-15 29/03/2002 3 . 8 . 0

WG (prime / other): R1 / - *rapporteur:* VACANT,  
G: U: yes MCC: SASAKI, Tsukasa

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*remarks - this release:*

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G = required in systems with GERAN acces; U = required in systems w ith UMTS

# 3GPP specification status

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Server ACTIVE specs R99 25 .- series  
[http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

## TS 25.224 Physical layer procedures (TDD)

R99 current version: 3.12.0

freeze\_meeting: SP-05

history (event, available, version,

Table of Contents 04/02/1999 0 . 0 . 0

and Scope

RP-03 23/04/1999 1 . 0 . 0

RP-05 13/10/1999 3 . 0 . 0

RP-06 12/12/1999 3 . 1 . 0

RP-07 15/03/2000 3 . 2 . 0

RP-08 23/06/2000 3 . 3 . 0

RP-09 18/10/2000 3 . 4 . 0

RP-10 22/12/2000 3 . 5 . 0

RP-11 05/04/2001 3 . 6 . 0

RP-12 28/06/2001 3 . 7 . 0

RP-13 08/10/2001 3 . 8 . 0

RP-14 09/01/2002 3 . 9 . 0

RP-15 29/03/2002 3 . 10 . 0

RP-17 27/09/2002 3 . 11 . 0

RP-18 07/01/2003 3 . 12 . 0

WG (prime / other): R1 / - rapporteur: OESTREICH, Stefan

G: U: yes

MCC: SASAKI, Tsukasa

SIEMENS AG

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## TS 25.225 Physical layer; Measurements (TDD)

R99 current version: 3.12.0

freeze\_meeting: SP-05

history (event, available, version,

RP-05 13/10/1999 3 . 0 . 0

RP-06 12/12/1999 3 . 1 . 0

RP-07 15/03/2000 3 . 2 . 0

RP-08 23/06/2000 3 . 3 . 0

RP-09 18/10/2000 3 . 4 . 0

RP-10 22/12/2000 3 . 5 . 0

RP-11 05/04/2001 3 . 6 . 0

RP-12 28/06/2001 3 . 7 . 0

RP-13 08/10/2001 3 . 8 . 0

RP-14 09/01/2002 3 . 9 . 0

RP-16 28/06/2002 3 . 10 . 0

RP-17 27/09/2002 3 . 11 . 0

RP-20 27/06/2003 3 . 12 . 0

WG (prime / other): R1 / - rapporteur: IKEDA, Shinobu

G: U: yes

MCC: SASAKI, Tsukasa

NEC Corporation

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remarks - this release:

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



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Server ACTIVE specs R99 25 .- series  
[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

R99 *current version:* 3.11.0

*freeze\_meeting:* SP-03

*history (event, available, version,*

Table of Contents and Scope	04/02/1999	0	.	0	.	0
First complete	04/03/1999	1	.	0	.	0
WG approval	16/04/1999	2	.	0	.	0
RP-03	23/04/1999	3	.	0	.	0
RP-04	23/06/1999	3	.	1	.	0
RP-05	13/10/1999	3	.	2	.	0
RP-06	17/12/1999	3	.	3	.	0
RP-07	15/03/2000	3	.	4	.	0
RP-08	30/06/2000	3	.	5	.	0
RP-09	16/10/2000	3	.	6	.	0
RP-11	27/03/2001	3	.	7	.	0
RP-12	19/06/2001	3	.	8	.	0
RP-14	04/01/2002	3	.	9	.	0
RP-16	17/06/2002	3	.	10	.	0
RP-17	18/09/2002	3	.	11	.	0

*WG (prime / other):* R2 / - *rapporteur:* GRANZOW, Wolfgang  
*G:* U: yes *MCC:* ARZELIER, Claude ERICSSON Eurolab Deutschland GmbH

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

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

# 3GPP specification status

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[http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

## TS 25.302 Services provided by the physical layer

R99 current version: 3.15.0

freeze\_meeting: SP-05

history (event, available, version,

Table of Contents and Scope	04/02/1999	0	.	0	.	0
First complete	04/03/1999	1	.	0	.	0
RP-03	23/04/1999	2	.	0	.	0
RP-04	23/06/1999	2	.	3	.	0
RP-05	13/10/1999	3	.	1	.	0
RP-06	12/12/1999	3	.	2	.	0
RP-07	15/03/2000	3	.	4	.	0
RP-08	23/06/2000	3	.	5	.	0
RP-09	16/10/2000	3	.	6	.	0
RP-10	20/12/2000	3	.	7	.	0
RP-11	27/03/2001	3	.	8	.	0
RP-12	19/06/2001	3	.	9	.	0
RP-13	02/10/2001	3	.	10	.	0
RP-14	04/01/2002	3	.	11	.	0
RP-15	19/03/2002	3	.	12	.	0
RP-16	17/06/2002	3	.	13	.	0
RP-17	18/09/2002	3	.	14	.	0
RP-18	20/12/2002	3	.	15	.	0

WG (prime / other): R2 / - rapporteur: MIHAILESCU, Claudiu NORTEL NETWORKS (EUROPE)  
G: U: yes MCC: ARZELIER, Claude

[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

# 3GPP specification status

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Server ACTIVE specs R99 25 .- series  
[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

*history (event, available, version,*

Table of Contents and Scope	04/02/1999	0	.	0	.	0
First complete	04/03/1999	1	.	0	.	0
RP-03	23/04/1999	2	.	0	.	0
RP-04	23/06/1999	3	.	0	.	0
RP-05	13/10/1999	3	.	1	.	0
RP-06	12/12/1999	3	.	2	.	0
RP-07	15/03/2000	3	.	3	.	0
RP-08	23/06/2000	3	.	4	.	0
RP-09	16/10/2000	3	.	5	.	0
RP-10	20/12/2000	3	.	6	.	0
RP-11	27/03/2001	3	.	7	.	0
RP-12	19/06/2001	3	.	8	.	0
RP-13	02/10/2001	3	.	9	.	0
RP-14	04/01/2002	3	.	10	.	0
RP-15	19/03/2002	3	.	11	.	0
RP-16	17/06/2002	3	.	12	.	0

*WG (prime / other):* R2 / - *rapporteur:* RINNE, Mikko J  
*G:* U: yes *MCC:* ARZELIER, Claude

Nokia Research Center

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

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

# 3GPP specification status

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Server ACTIVE specs R99 25 .- series  
[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: 3.13.0

freeze\_meeting: SP-05

WG (prime / other): R2 / - rapporteur: MAHKONEN, Marko  
G: U: yes MCC: ARZELIER, Claude

NOKIA Corporation

history (event, available, version,

Start of work	15/01/1999	0	.	1	.	1
RP-03	23/04/1999	1	.	0	.	0
RP-04	23/06/1999	1	.	2	.	0
RP-05	13/10/1999	3	.	0	.	0
RP-06	12/12/1999	3	.	1	.	0
RP-07	15/03/2000	3	.	2	.	0
RP-08	23/06/2000	3	.	3	.	0
RP-09	16/10/2000	3	.	4	.	0
RP-10	22/12/2000	3	.	5	.	0
RP-11	27/03/2001	3	.	6	.	0
RP-12	27/06/2001	3	.	7	.	0
RP-13	02/10/2001	3	.	8	.	0
RP-14	04/01/2002	3	.	9	.	0
RP-15	19/03/2002	3	.	10	.	0
RP-16	17/06/2002	3	.	11	.	0
RP-18	08/01/2003	3	.	12	.	0
RP-20	25/06/2003	3	.	13	.	0

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remarks - general:

remarks - this release:

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## TS 25.305 User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2

R99 current version: 3.9.0

freeze\_meeting: RP-07

WG (prime / other): R2 / - rapporteur: MIHAILESCU, Claudiu  
G: U: yes MCC: ARZELIER, Claude

NORTEL NETWORKS (EUROPE)

history (event, available, version,

RP-05	13/10/1999	1	.	4	.	0
RP-06	17/12/1999	3	.	0	.	0
RP-07	15/03/2000	3	.	1	.	0
RP-08	23/06/2000	3	.	2	.	0
RP-09	16/10/2000	3	.	3	.	0
RP-10	22/12/2000	3	.	4	.	0
RP-11	27/03/2001	3	.	5	.	0
RP-12	19/06/2001	3	.	6	.	0
RP-14	04/01/2002	3	.	7	.	0
RP-15	19/03/2002	3	.	8	.	0
RP-20	20/06/2003	3	.	9	.	0

[get it](#)

remarks - general:

Created from 25.923

remarks - this release:

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

# 3GPP specification status

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Server ACTIVE specs R99 25 .- series  
[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

R99 *current version:* 3.8.0  
*freeze\_meeting:* SP-10  
*history (event, available, version,*

*WG (prime / other):* R2 / - *rapporteur:* BERGGREN, Anders Ericsson Incorporated  
*G:* *U:* yes *MCC:* ARZELIER, Claude

RP-10 22/12/2000 3 . 0 . 0  
RP-11 27/03/2001 3 . 1 . 0  
RP-12 19/06/2001 3 . 2 . 0  
RP-13 02/10/2001 3 . 3 . 0  
RP-14 04/01/2002 3 . 4 . 0  
RP-15 19/03/2002 3 . 5 . 0  
RP-16 17/06/2002 3 . 6 . 0  
RP-18 08/01/2003 3 . 7 . 0  
RP-20 20/06/2003 3 . 8 . 0

[get it](#) *remarks - general:* Converted from TR 25.926 at TSG#10.  
[get it](#) *remarks - this release:* Converted from TR 25.926 v3.2.0 Nov 00.  
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## TS 25.307 Requirements on UEs supporting a release-independent frequency band

R99 *current version:* 3.1.0  
*freeze\_meeting:* RP-13  
*history (event, available, version,*

*WG (prime / other):* R2 / R4 *rapporteur:* FAUCONNIER, Denis NORTEL NETWORKS (EUROPE)  
*G:* *U:* yes *MCC:* ARZELIER, Claude

RP-12 27/06/2001 2 . 0 . 0 RP-010326, to be approved RP-13.  
RP-13 01/10/2001 2 . 1 . 0 RP-010557, but not for approval? -

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

RMM requirements.

debate!

RP-13 02/10/2001 3 . 0 . 0 Was approved after all!  
RP-14 04/01/2002 3 . 1 . 0

[get it](#)  
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G = required in systems with GERAN acces; U = required in systems with UMTS

# 3GPP specification status

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Server ACTIVE specs R99 25 .- series  
[http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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

R99 *current version:* 3.15.0

*freeze\_meeting:* TP-04

*history (event, available, version,*

Table of Contents	04/02/1999	0	.	0	.	0
and Scope						
draft	04/03/1999	1	.	0	.	0
RP-03	23/04/1999	2	.	0	.	0
RP-04	23/06/1999	3	.	0	.	0
RP-05	13/10/1999	3	.	1	.	0
RP-06	12/12/1999	3	.	2	.	0
RP-07	15/03/2000	3	.	3	.	0
RP-08	23/06/2000	3	.	4	.	0
RP-09	16/10/2000	3	.	5	.	0
RP-10	20/12/2000	3	.	6	.	0
RP-11	27/03/2001	3	.	7	.	0
RP-12	19/06/2001	3	.	8	.	0
RP-13	02/10/2001	3	.	9	.	0
RP-14	04/01/2002	3	.	10	.	0
RP-15	19/03/2002	3	.	11	.	0
RP-16	17/06/2002	3	.	12	.	0
RP-17	18/09/2002	3	.	13	.	0
RP-18	08/01/2003	3	.	14	.	0
RP-19	25/03/2003	3	.	15	.	0

*WG (prime / other):* R2 / - *rapporteur:* STADLER, Thomas

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

SIEMENS AG

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

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Server ACTIVE specs R99 25 .- series  
[http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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

R99 *current version:* 3.15.0  
*freeze\_meeting:* SP-05

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

*history (event, available, version,*  
Table of Contents 04/02/1999 0 . 0 . 0  
and Scope

RP-03	23/04/1999	1	.	0	.	0
RP-04	23/06/1999	1	.	1	.	0
RP-05	13/10/1999	3	.	0	.	0
RP-06	17/12/1999	3	.	1	.	0
RP-07	15/03/2000	3	.	2	.	0
RP-08	23/06/2000	3	.	3	.	0
RP-09	16/10/2000	3	.	4	.	0
RP-10	20/12/2000	3	.	5	.	0
RP-11	27/03/2001	3	.	6	.	0
RP-12	19/06/2001	3	.	7	.	0
RP-13	03/10/2001	3	.	8	.	0
RP-14	04/01/2002	3	.	9	.	0
RP-15	19/03/2002	3	.	10	.	0
RP-16	17/06/2002	3	.	11	.	0
RP-17	19/09/2002	3	.	12	.	0
RP-18	10/01/2003	3	.	13	.	0
RP-19	25/03/2003	3	.	14	.	0
RP-20	20/06/2003	3	.	15	.	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

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[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,*

RP-05	13/10/1999	0	.	1	.	0
RP-06	17/12/1999	3	.	0	.	0
RP-07	15/03/2000	3	.	1	.	0
RP-08	23/06/2000	3	.	2	.	0
RP-09	06/10/2000	3	.	3	.	0
RP-11	27/03/2001	3	.	4	.	0
RP-12	19/06/2001	3	.	5	.	0
RP-13	02/10/2001	3	.	6	.	0
RP-14	04/01/2002	3	.	7	.	0
RP-15	19/03/2002	3	.	8	.	0
RP-16	17/06/2002	3	.	9	.	0
RP-17	18/09/2002	3	.	10	.	0

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

[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,*

RP-05	13/10/1999	0	.	1	.	0
RP-06	17/12/1999	3	.	0	.	0
RP-07	15/03/2000	3	.	1	.	0
RP-09	06/10/2000	3	.	2	.	0
RP-10	20/12/2000	3	.	3	.	0
RP-11	27/03/2001	3	.	4	.	0
RP-16	17/06/2002	3	.	5	.	0
RP-18	13/01/2003	3	.	6	.	0
RP-19	25/03/2003	3	.	7	.	0

*WG (prime / other):* R2 / - *rapporteur:* HARTL, Mike  
*G:* *U:* yes *MCC:* ARZELIER, Claude Vodafone D2 GmbH

[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



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Server [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: 3.15.0*

*freeze\_meeting: SP-05*

*history (event, available, version,*

Table of Contents 04/02/1999 0 . 0 . 0  
and Scope

First complete 04/03/1999 1 . 0 . 0

RP-04 23/06/1999 1 . 1 . 0

RP-05 13/10/1999 3 . 0 . 0

RP-06 12/12/1999 3 . 1 . 0

RP-07 15/03/2000 3 . 2 . 0

RP-08 23/06/2000 3 . 3 . 0

RP-09 06/10/2000 3 . 4 . 0

removal of CR 06/10/2000 3 . 4 . 1

RP-10 21/12/2000 3 . 5 . 0

RP-11 27/03/2001 3 . 6 . 0

RP-12 27/06/2001 3 . 7 . 0

RP-13 01/10/2001 3 . 8 . 0

RP-14 04/01/2002 3 . 9 . 0

RP-15 25/03/2002 3 . 10 . 0

RP-16 17/06/2002 3 . 11 . 0

RP-17 18/09/2002 3 . 12 . 0

RP-18 09/01/2003 3 . 13 . 0

RP-19 25/03/2003 3 . 14 . 0

RP-20 20/06/2003 3 . 15 . 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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[http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

## TS 25.401 UTRAN overall description

R99 *current version:* 3.10.0  
*freeze\_meeting:* SP-05

*WG (prime / other):* R3 / - *rapporteur:* CALMEL, Jean-Marie NORTEL NETWORKS (EUROPE)  
*G:* *U:* yes *MCC:* KRAUSE, Joern

*history (event, available, version,*  
Table of Contents 04/02/1999 0 . 0 . 0  
and Scope  
First complete 04/03/1999 1 . 0 . 0  
RP-04 23/06/1999 1 . 1 . 1  
RP-05 13/10/1999 3 . 0 . 0  
RP-06 17/12/1999 3 . 1 . 0  
RP-07 15/03/2000 3 . 2 . 0  
RP-08 23/06/2000 3 . 3 . 0  
RP-09 05/10/2000 3 . 4 . 0  
RP-10 21/12/2000 3 . 5 . 0  
RP-11 06/04/2001 3 . 6 . 0  
RP-12 06/07/2001 3 . 7 . 0  
RP-13 12/10/2001 3 . 8 . 0  
RP-15 02/04/2002 3 . 9 . 0  
RP-16 28/06/2002 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:* PIOLINI, Flavio Indicate persons who left Company and wait for new  
*G:* *U:* yes *MCC:* KRAUSE, Joern One

*history (event, available, version,*  
RP-05 13/10/1999 0 . 0 . 1  
RP-06 17/12/1999 3 . 0 . 0  
RP-07 17/03/2000 3 . 1 . 0  
RP-08 23/06/2000 3 . 2 . 0  
RP-09 05/10/2000 3 . 3 . 0  
RP-10 22/12/2000 3 . 4 . 0  
RP-11 06/04/2001 3 . 5 . 0  
RP-12 06/07/2001 3 . 6 . 0  
RP-13 12/10/2001 3 . 7 . 0  
RP-14 11/01/2002 3 . 8 . 0  
RP-15 02/04/2002 3 . 9 . 0  
RP-16 28/06/2002 3 . 10 . 0

[get it](#) *remarks - general:* New  
*remarks - this release:*  
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G = required in systems with GERAN acces; U = required in systems with UMTS

# 3GPP specification status

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Server ACTIVE specs R99 25 .- series  
[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  
*history (event, available, version,*

*WG (prime / other):* R3 / - *rapporteur:* TOWNEND, Richard mmO2 plc  
*G:* *U:* yes *MCC:* KRAUSE, Joern

draft 04/03/1999 0 . 0 . 0  
RP-03 23/04/1999 0 . 1 . 0  
RP-04 23/06/1999 0 . 2 . 1  
RP-05 13/10/1999 3 . 0 . 0  
RP-06 12/12/1999 3 . 1 . 0  
RP-07 15/03/2000 3 . 2 . 0  
RP-10 21/12/2000 3 . 3 . 0  
RP-12 06/07/2001 3 . 4 . 0  
RP-13 12/10/2001 3 . 5 . 0  
RP-14 11/01/2002 3 . 6 . 0  
RP-16 28/06/2002 3 . 7 . 0  
RP-17 30/09/2002 3 . 8 . 0

[get it](#) *remarks - general:* Approval at TSG#5  
*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  
*history (event, available, version,*

*WG (prime / other):* R3 / - *rapporteur:* BRANDT, Achim V. SIEMENS AG  
*G:* *U:* yes *MCC:* KRAUSE, Joern

RP-03 23/04/1999 0 . 0 . 0  
TB adoption of WI 15/01/1999 0 . 0 . 0  
Creation of WI by 15/01/1999 0 . 0 . 0  
WG/TB  
RP-04 23/06/1999 3 . 0 . 0  
RP-06 12/12/1999 3 . 1 . 0  
RP-07 15/03/2000 3 . 2 . 0  
RP-10 21/12/2000 3 . 3 . 0  
RP-11 06/04/2001 3 . 4 . 0  
RP-12 06/07/2001 3 . 5 . 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

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Server ACTIVE specs R99 25 .- series  
[http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

## TS 25.412 UTRAN Iu interface signalling transport

R99 *current version:* 3.6.0  
*freeze\_meeting:* SP-04

*WG (prime / other):* R3 / - *rapporteur:* THAKARE, Kiran  
*G:* U: yes *MCC:* KRAUSE, Joern

RadioScape Limited

*history (event, available, version,*  
Table of Contents 04/02/1999 0 . 0 . 0  
and Scope  
RP-03 23/04/1999 1 . 0 . 0  
RP-04 23/06/1999 3 . 0 . 0  
RP-05 13/10/1999 3 . 1 . 0  
RP-06 17/12/1999 3 . 2 . 0  
RP-07 15/03/2000 3 . 3 . 0  
RP-08 23/06/2000 3 . 4 . 0  
RP-09 05/10/2000 3 . 5 . 0  
RP-10 21/12/2000 3 . 6 . 0

[get it](#) *remarks - general:*  
*remarks - this release:*  
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## TS 25.413 UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling

R99 *current version:* 3.13.0  
*freeze\_meeting:* SP-06

*WG (prime / other):* R3 / - *rapporteur:* JUSSILA, Jyrki  
*G:* U: yes *MCC:* KRAUSE, Joern

NOKIA Corporation

*history (event, available, version,*  
draft 04/02/1999 0 . 0 . 0  
RP-03 23/04/1999 1 . 0 . 0  
RP-04 23/06/1999 1 . 0 . 2  
RP-05 13/10/1999 1 . 3 . 1  
RP-06 17/12/1999 3 . 0 . 0  
RP-07 15/03/2000 3 . 1 . 0  
RP-08 23/06/2000 3 . 2 . 0  
RP-09 05/10/2000 3 . 3 . 0  
RP-10 22/12/2000 3 . 4 . 0  
RP-11 06/04/2001 3 . 5 . 0  
RP-12 06/07/2001 3 . 6 . 0  
RP-13 12/10/2001 3 . 7 . 0  
RP-14 14/01/2002 3 . 8 . 0  
RP-15 02/04/2002 3 . 9 . 0  
RP-16 05/07/2002 3 . 10 . 0  
RP-17 30/09/2002 3 . 11 . 0  
edito post RP-17 03/10/2002 3 . 11 . 1  
RP-18 03/01/2003 3 . 12 . 0  
RP-20 17/06/2003 3 . 13 . 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

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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,

draft	04/02/1999	0	.	0	.	0
draft	04/03/1999	1	.	0	.	0
RP-04	23/06/1999	3	.	0	.	0
RP-05	13/10/1999	3	.	1	.	0
RP-06	12/12/1999	3	.	2	.	0
RP-07	15/03/2000	3	.	3	.	0
RP-08	23/06/2000	3	.	4	.	0
RP-09	05/10/2000	3	.	5	.	0
RP-10	21/12/2000	3	.	6	.	0
RP-11	06/04/2001	3	.	7	.	0
RP-13	12/10/2001	3	.	8	.	0
RP-14	14/01/2002	3	.	9	.	0
RP-15	02/04/2002	3	.	10	.	0
RP-16	28/06/2002	3	.	11	.	0
RP-18	03/01/2003	3	.	12	.	0
RP-19	26/03/2003	3	.	13	.	0

WG (prime / other): R3 / - rapporteur: COMSTOCK, David  
G: U: yes MCC: KRAUSE, Joern

Telefon AB LM Ericsson

[get it](#) remarks - general:  
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G = required in systems with GERAN access; U = required in systems with UMTS

# 3GPP specification status

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## TS 25.415 UTRAN Iu interface user plane protocols

R99 current version: 3.12.0

freeze\_meeting: SP-05

history (event, available, version,

WG approval	19/03/1999	0	.	0	.	0
RP-03	23/04/1999	0	.	1	.	0
RP-04	23/06/1999	0	.	1	.	3
RP-05	13/10/1999	3	.	0	.	0
RP-06	17/12/1999	3	.	1	.	0
RP-07	15/03/2000	3	.	2	.	0
RP-08	23/06/2000	3	.	3	.	0
RP-09	05/10/2000	3	.	4	.	0
RP-10	21/12/2000	3	.	5	.	0
RP-11	06/04/2001	3	.	6	.	0
RP-12	06/07/2001	3	.	7	.	0
RP-13	12/10/2001	3	.	8	.	0
RP-14	14/01/2002	3	.	9	.	0
RP-15	25/03/2002	3	.	10	.	0
RP-16	28/06/2002	3	.	11	.	0
RP-17	26/09/2002	3	.	12	.	0

WG (prime / other): R3 / - rapporteur: MAUPIN, Alain  
G: U: yes MCC: KRAUSE, Joern

Telefon AB LM Ericsson

[get it](#) remarks - general:  
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G = required in systems with GERAN access; U = required in systems with UMTS

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## TS 25.419 UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)

R99 current version: 3.11.0

freeze\_meeting: SP-07

history (event, available, version,

RP-06 17/12/1999 0 . 0 . 0

RP-07 15/03/2000 2 . 0 . 0

RP-08 23/06/2000 3 . 0 . 0

RP-09 05/10/2000 3 . 1 . 0

RP-10 21/12/2000 3 . 2 . 0

RP-11 06/04/2001 3 . 3 . 0

RP-12 06/07/2001 3 . 4 . 0

RP-13 12/10/2001 3 . 5 . 0

RP-14 11/01/2002 3 . 6 . 0

RP-15 02/04/2002 3 . 7 . 0

RP-16 28/06/2002 3 . 8 . 0

RP-17 30/09/2002 3 . 9 . 0

RP-20 17/06/2003 3 . 10 . 0

RP-20 17/06/2003 3 . 11 . 0

RP-000113

WG (prime / other): R3 / -

G: U: yes

rapporteur: TAYLOR, Carolyn

MCC: KRAUSE, Joern

MOTOROLA Ltd

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remarks - general:

remarks - this release:

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## TS 25.420 UTRAN Iur Interface: General Aspects and Principles

R99 current version: 3.5.0

freeze\_meeting: SP-06

history (event, available, version,

RP-03 23/04/1999 0 . 1 . 0

RP-04 23/06/1999 0 . 1 . 3

RP-05 13/10/1999 1 . 0 . 1

RP-06 12/12/1999 3 . 0 . 0

RP-07 15/03/2000 3 . 1 . 0

RP-09 05/10/2000 3 . 2 . 0

RP-11 05/04/2001 3 . 3 . 0

RP-14 11/01/2002 3 . 4 . 0

RP-15 02/04/2002 3 . 5 . 0

WG (prime / other): R3 / -

G: U: yes

rapporteur: THAKARE, Kiran

MCC: KRAUSE, Joern

RadioScope Limited

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remarks - this release:

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

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## TS 25.421 UTRAN Iur interface Layer 1

R99 current version: 3.1.0  
freeze\_meeting: SP-04  
history (event, available, version,  
RP-03 23/04/1999 0 . 0 . 0  
RP-04 23/06/1999 3 . 0 . 0  
RP-11 06/04/2001 3 . 1 . 0

WG (prime / other): R3 / - rapporteur: BRANDT, Achim V. SIEMENS AG  
G: U: yes MCC: KRAUSE, Joern

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

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## TS 25.422 UTRAN Iur interface signalling transport

R99 current version: 3.6.1  
freeze\_meeting: SP-04  
history (event, available, version,  
WG approval 19/03/1999 0 . 0 . 0  
RP-03 23/04/1999 0 . 1 . 0  
RP-04 23/06/1999 3 . 0 . 0  
RP-05 13/10/1999 3 . 1 . 0  
RP-06 12/12/1999 3 . 2 . 0  
RP-07 15/03/2000 3 . 3 . 0  
RP-08 23/06/2000 3 . 4 . 0  
edito 05/10/2000 3 . 4 . 1  
RP-10 21/12/2000 3 . 5 . 0  
RP-14 11/01/2002 3 . 6 . 0  
edito post RP-14 02/04/2002 3 . 6 . 1

WG (prime / other): R3 / - rapporteur: THAKARE, Kiran RadioScape Limited  
G: U: yes MCC: KRAUSE, Joern

[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



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**TS 25.423 UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling**

R99 current version: 3.13.0

freeze\_meeting: SP-06

WG (prime / other): R3 / - rapporteur: RUNE, Göran Ericsson AB  
G: U: yes MCC: KRAUSE, Joern

history (event, available, version,

draft	19/03/1999	0	.	0	.	0
RP-03	23/04/1999	1	.	0	.	0
RP-04	23/06/1999	1	.	1	.	1
RP-05	13/10/1999	1	.	4	.	0
RP-06	12/12/1999	3	.	0	.	0
RP-07	15/03/2000	3	.	1	.	0
RP-08	23/06/2000	3	.	2	.	0
RP-09	05/10/2000	3	.	3	.	0
RP-10	02/01/2001	3	.	4	.	0
RP-11	06/04/2001	3	.	5	.	0
RP-12	06/07/2001	3	.	6	.	0
RP-13	12/10/2001	3	.	7	.	0
RP-14	11/01/2002	3	.	8	.	0
RP-15	02/04/2002	3	.	9	.	0
RP-16	05/07/2002	3	.	10	.	0
RP-17	30/09/2002	3	.	11	.	0
RP-18	03/01/2003	3	.	12	.	0
RP-19	26/03/2003	3	.	13	.	0

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

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## TS 25.424 UTRAN Iur interface data transport & transport signalling for CCH data streams

R99 current version: 3.9.0  
freeze\_meeting: SP-04

WG (prime / other): R3 / -  
G: U: yes

rapporteur: DREVON, Nicolas  
MCC: KRAUSE, Joern

ALCATEL S.A.

history (event, available, version,  
WG approval 19/03/1999 0 . 0 . 0  
RP-03 23/04/1999 1 . 0 . 0  
RP-04 23/06/1999 3 . 0 . 0  
RP-06 12/12/1999 3 . 1 . 0  
RP-05 13/10/1999 3 . 1 . 0  
RP-07 15/03/2000 3 . 2 . 0  
RP-08 23/06/2000 3 . 3 . 0  
RP-09 05/10/2000 3 . 4 . 0  
RP-10 21/12/2000 3 . 5 . 0  
RP-11 06/04/2001 3 . 6 . 0  
RP-14 11/01/2002 3 . 7 . 0  
RP-15 02/04/2002 3 . 8 . 0  
RP-16 28/06/2002 3 . 9 . 0

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remarks - general:  
remarks - this release:

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

R99 current version: 3.7.0  
freeze\_meeting: SP-05

WG (prime / other): R3 / -  
G: U: yes

rapporteur: DREVON, Nicolas  
MCC: KRAUSE, Joern

ALCATEL S.A.

history (event, available, version,  
draft 19/03/1999 0 . 0 . 0  
RP-03 23/04/1999 0 . 1 . 0  
RP-04 23/06/1999 0 . 2 . 0  
RP-05 13/10/1999 0 . 2 . 5  
RP-06 12/12/1999 3 . 0 . 0  
RP-07 15/03/2000 3 . 1 . 0  
RP-08 23/06/2000 3 . 2 . 0  
RP-10 21/12/2000 3 . 3 . 0  
RP-11 06/04/2001 3 . 4 . 0  
RP-13 12/10/2001 3 . 5 . 0  
RP-14 11/01/2002 3 . 6 . 0  
RP-15 02/04/2002 3 . 7 . 0

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remarks - general:  
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G = required in systems with GERAN access; U = required in systems with UMTS

# 3GPP specification status

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Server ACTIVE specs R99 25 .- series  
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**TS 25.426 UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams**

R99 *current version:* 3.9.0  
*freeze\_meeting:* SP-04

*WG (prime / other):* R3 / - *rapporteur:* KEKKI, Sami  
*G:* U: yes *MCC:* KRAUSE, Joern

NOKIA Corporation

*history (event, available, version,*

WG approval	19/03/1999	0	.	0	.	0
RP-03	23/04/1999	1	.	0	.	0
RP-04	23/06/1999	3	.	0	.	0
RP-05	13/10/1999	3	.	1	.	0
RP-07	15/03/2000	3	.	2	.	0
RP-08	23/06/2000	3	.	3	.	0
RP-09	05/10/2000	3	.	4	.	0
RP-10	21/12/2000	3	.	5	.	0
RP-11	06/04/2001	3	.	6	.	0
RP-14	11/01/2002	3	.	7	.	0
RP-15	04/04/2002	3	.	8	.	0
RP-16	28/06/2002	3	.	9	.	0

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*remarks - this release:*

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

R99 *current version:* 3.10.0  
*freeze\_meeting:* SP-05

*WG (prime / other):* R3 / - *rapporteur:* LONGONI, Fabio  
*G:* U: yes *MCC:* KRAUSE, Joern

NOKIA TELECOMMUNICATIONS FINLAND

*history (event, available, version,*

RP-03	23/04/1999	0	.	1	.	0
RP-04	23/06/1999	0	.	2	.	1
RP-05	13/10/1999	3	.	0	.	0
RP-06	12/12/1999	3	.	1	.	0
RP-07	15/03/2000	3	.	2	.	0
RP-08	23/06/2000	3	.	3	.	0
RP-09	05/10/2000	3	.	4	.	0
RP-10	21/12/2000	3	.	5	.	0
RP-11	06/04/2001	3	.	6	.	0
RP-12	06/07/2001	3	.	7	.	0
RP-13	12/10/2001	3	.	8	.	0
RP-14	11/01/2002	3	.	9	.	0
RP-18	03/01/2003	3	.	10	.	0

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*remarks - this release:*

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

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## TS 25.430 UTRAN lub Interface: General Aspects and Principles

R99 *current version:* 3.8.0  
*freeze\_meeting:* SP-06  
*history (event, available, version,*

*WG (prime / other):* R3 / - *rapporteur:* WILSON, Mick  
*G:* *U:* yes *MCC:* KRAUSE, Joern

FUJITSU Laboratories of Europe Limited

WG approval 19/03/1999 0 . 0 . 0  
RP-03 23/04/1999 0 . 1 . 0  
RP-04 23/06/1999 0 . 1 . 2  
RP-05 13/10/1999 2 . 0 . 0  
RP-06 12/12/1999 3 . 0 . 0  
RP-07 15/03/2000 3 . 1 . 0  
RP-08 23/06/2000 3 . 2 . 0  
RP-09 05/10/2000 3 . 3 . 0  
RP-10 21/12/2000 3 . 4 . 0  
RP-11 06/04/2001 3 . 5 . 0  
RP-12 06/07/2001 3 . 6 . 0  
RP-14 11/01/2002 3 . 7 . 0  
RP-16 28/06/2002 3 . 8 . 0

[get it](#) *remarks - general:*  
*remarks - this release:*  
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## TS 25.431 UTRAN lub interface Layer 1

R99 *current version:* 3.1.0  
*freeze\_meeting:* SP-04  
*history (event, available, version,*

*WG (prime / other):* R3 / - *rapporteur:* BRANDT, Achim V.  
*G:* *U:* yes *MCC:* KRAUSE, Joern

SIEMENS AG

RP-03 23/04/1999 0 . 0 . 0  
Creation of WI by 15/01/1999 0 . 0 . 0  
WG/TB  
RP-04 23/06/1999 3 . 0 . 0  
RP-11 06/04/2001 3 . 1 . 0

[get it](#) *remarks - general:*  
*remarks - this release:*  
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## TS 25.432 UTRAN lub interface: signalling transport

R99 *current version:* 3.1.0  
*freeze\_meeting:* SP-04  
*history (event, available, version,*

*WG (prime / other):* R3 / - *rapporteur:* WILSON, Mick  
*G:* *U:* yes *MCC:* KRAUSE, Joern

FUJITSU Laboratories of Europe Limited

WG approval 19/03/1999 0 . 0 . 0  
RP-03 23/04/1999 1 . 0 . 0  
RP-04 23/06/1999 3 . 0 . 0  
RP-05 13/10/1999 3 . 1 . 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

# 3GPP specification status

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## TS 25.433 UTRAN Iub interface NBAP signalling

R99 current version: 3.13.0

freeze\_meeting: SP-06

history (event, available, version,

WG approval	19/03/1999	0	.	0	.	0
RP-03	23/04/1999	1	.	0	.	0
RP-04	23/06/1999	1	.	0	.	2
RP-05	13/10/1999	1	.	3	.	0
RP-06	12/12/1999	3	.	0	.	0
RP-07	15/03/2000	3	.	1	.	0
RP-08	23/06/2000	3	.	2	.	0
RP-09	05/10/2000	3	.	3	.	0
RP-10	22/12/2000	3	.	4	.	0
edito	01/02/2001	3	.	4	.	1
RP-11	06/04/2001	3	.	5	.	0
RP-12	06/07/2001	3	.	6	.	0
RP-13	12/10/2001	3	.	7	.	0
RP-14	11/01/2002	3	.	8	.	0
RP-15	04/04/2002	3	.	9	.	0
RP-16	19/07/2002	3	.	10	.	0
RP-17	30/09/2002	3	.	11	.	0
RP-18	03/01/2003	3	.	12	.	0
RP-19	31/03/2003	3	.	13	.	0

WG (prime / other): R3 / - rapporteur: ISHIKAWA, Nobutaka NTT DoCoMo Inc

G: U: yes MCC: KRAUSE, Joern

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

# 3GPP specification status

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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:* ALDEN, Magnus TeliaSonera AB  
*freeze\_meeting:* SP-04 *G:* U: yes *MCC:* KRAUSE, Joern

*history (event, available, version,*

draft	19/03/1999	0	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
RP-03	23/04/1999	1	.	0	.	0		<a href="#">get it</a>	<i>remarks - this release:</i>
RP-04	23/06/1999	3	.	0	.	0		<a href="#">get it</a>	
RP-05	13/10/1999	3	.	1	.	0		<a href="#">get it</a>	
RP-07	15/03/2000	3	.	2	.	0		<a href="#">get it</a>	
RP-09	05/10/2000	3	.	3	.	0		<a href="#">get it</a>	
RP-10	21/12/2000	3	.	4	.	0		<a href="#">get it</a>	
RP-11	06/04/2001	3	.	5	.	0		<a href="#">get it</a>	
RP-14	11/01/2002	3	.	6	.	0		<a href="#">get it</a>	
RP-15	02/04/2002	3	.	7	.	0		<a href="#">get it</a>	
RP-16	28/06/2002	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:* 3.10.0 *WG (prime / other):* R3 / - *rapporteur:* CALMEL, Jean-Marie NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* SP-05 *G:* U: yes *MCC:* KRAUSE, Joern

*history (event, available, version,*

RP-03	23/04/1999	0	.	1	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
RP-04	23/06/1999	0	.	2	.	1		<a href="#">get it</a>	<i>remarks - this release:</i>
RP-05	13/10/1999	3	.	0	.	0		<a href="#">get it</a>	
RP-06	12/12/1999	3	.	1	.	0		<a href="#">get it</a>	
RP-07	15/03/2000	3	.	2	.	0		<a href="#">get it</a>	
RP-08	23/06/2000	3	.	3	.	0		<a href="#">get it</a>	
RP-09	10/10/2000	3	.	4	.	0		<a href="#">get it</a>	
RP-10	21/12/2000	3	.	5	.	0		<a href="#">get it</a>	
RP-11	06/04/2001	3	.	6	.	0		<a href="#">get it</a>	
RP-12	06/07/2001	3	.	7	.	0		<a href="#">get it</a>	
RP-13	12/10/2001	3	.	8	.	0		<a href="#">get it</a>	
RP-14	11/01/2002	3	.	9	.	0		<a href="#">get it</a>	
RP-15	02/04/2002	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

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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> RECKER, Stephan	Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i> SP-05		G: U: yes	<i>MCC:</i> KRAUSE, Joern	
	<i>history (event, available, version,</i>		<a href="#">get it</a>	<i>remarks - general:</i>	
	RP-03 23/04/1999 0 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	RP-04 23/06/1999 0 . 0 . 2		<a href="#">get it</a>		
	RP-05 13/10/1999 3 . 0 . 0		<a href="#">get it</a>		
	RP-07 15/03/2000 3 . 1 . 0		<a href="#">get it</a>		

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<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		G: U: yes	<i>MCC:</i> KRAUSE, Joern	
	<i>history (event, available, version,</i>		<a href="#">get it</a>	<i>remarks - general:</i>	
	First complete 04/03/1999 0 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .	
	WG approval 19/03/1999 1 . 0 . 0		<a href="#">get it</a>		
	RP-03 23/04/1999 2 . 0 . 0		<a href="#">get it</a>		
	RP-04 23/06/1999 2 . 1 . 1		<a href="#">get it</a>		
	RP-05 13/10/1999 3 . 0 . 0		<a href="#">get it</a>		

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<b>TR 25.833</b>	<b>Physical layer items not for inclusion in Release 99</b>				
R99	<i>current version:</i> 1.1.0	DRAFT	<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> IKEDA, Shinobu	NEC Corporation
	<i>freeze_meeting:</i> SP-06		G: U: yes	<i>MCC:</i> SASAKI, Tsukasa	
	<i>history (event, available, version,</i>		<a href="#">get it</a>	<i>remarks - general:</i> Created Jan 2000 (aka R1.03)	
	RP-08 12/01/2001 1 . 1 . 0			<i>remarks - this release:</i>	

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<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> DELL'ACQUA, Massimo	Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i> RP-11		G: U: yes	<i>MCC:</i> KRAUSE, Joern	
	<i>history (event, available, version,</i>		<a href="#">get it</a>	<i>remarks - general:</i> Was 25.932. Approved and renumbered at TSG#10.	
	draft 06/04/2001 0 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> TSG#10:3.0.0 (is evidently R99 not Rel-4)	
	RP-10 22/12/2000 3 . 0 . 0		<a href="#">get it</a>		
	RP-11 06/04/2001 3 . 1 . 0		<a href="#">get it</a>		

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## TR 25.921 Guidelines and principles for protocol description and error handling

R99	<i>current version:</i> 3.8.0	<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> KALLA, Gairn	NOKIA UK Ltd
	<i>freeze_meeting:</i> SP-06	<i>G:</i>	<i>MCC:</i> ARZELIER, Claude	
	<i>U:</i> yes			
<i>history (event, available, version,</i>				
Table of Contents	04/02/1999	0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
and Scope				<i>remarks - this release:</i>
RP-03	23/04/1999	1 . 0 . 0	<a href="#">get it</a>	
RP-05	13/10/1999	1 . 3 . 0	<a href="#">get it</a>	
RP-06	12/12/1999	3 . 0 . 0	<a href="#">get it</a>	
RP-07	15/03/2000	3 . 1 . 0	<a href="#">get it</a>	
RP-10	20/12/2000	3 . 2 . 0	<a href="#">get it</a>	
RP-11	27/03/2001	3 . 3 . 0	<a href="#">get it</a>	
RP-12	19/06/2001	3 . 4 . 0	<a href="#">get it</a>	
RP-13	02/10/2001	3 . 5 . 0	<a href="#">get it</a>	
RP-14	04/01/2002	3 . 6 . 0	<a href="#">get it</a>	
RP-15	19/03/2002	3 . 7 . 0	<a href="#">get it</a>	
RP-18	13/01/2003	3 . 8 . 0	<a href="#">get it</a>	

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## TR 25.922 Radio Resource Management Strategies

R99	<i>current version:</i> 3.7.0	<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>MCC:</i> ARZELIER, Claude	
	<i>U:</i> yes			
<i>history (event, available, version,</i>				
First complete	04/03/1999	0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
RP-03	23/04/1999	0 . 1 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>
RP-04	23/06/1999	0 . 2 . 0	<a href="#">get it</a>	
RP-05	13/10/1999	0 . 5 . 0	<a href="#">get it</a>	
RP-06	12/12/1999	3 . 0 . 0	<a href="#">get it</a>	
RP-07	15/03/2000	3 . 1 . 0	<a href="#">get it</a>	
RP-08	23/06/2000	3 . 2 . 0	<a href="#">get it</a>	
RP-09	16/10/2000	3 . 3 . 0	<a href="#">get it</a>	
RP-10	20/12/2000	3 . 4 . 0	<a href="#">get it</a>	
RP-11	27/03/2001	3 . 5 . 0	<a href="#">get it</a>	
RP-13	02/10/2001	3 . 6 . 0	<a href="#">get it</a>	
RP-15	19/03/2002	3 . 7 . 0	<a href="#">get it</a>	

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## TR 25.925 Radio Interface for Broadcast/Multicast Services

R99 *current version:* 3.4.0  
*freeze\_meeting:* SP-06

*WG (prime / other):* R2 / - *rapporteur:* KRISCHAN, Peter  
*G:* U: yes *MCC:* ARZELIER, Claude Vodafone D2 GmbH

*history (event, available, version,*

First complete	04/03/1999	0	.	0	.	0
RP-03	23/04/1999	0	.	0	.	2
RP-04	23/06/1999	0	.	1	.	0
RP-05	13/10/1999	0	.	2	.	0
RP-06	21/12/1999	3	.	0	.	0
RP-07	15/03/2000	3	.	1	.	0
RP-09	06/10/2000	3	.	2	.	0
RP-10	20/12/2000	3	.	3	.	0
RP-11	27/03/2001	3	.	4	.	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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## TR 25.931 UTRAN Functions, examples on signalling procedures

R99 *current version:* 3.7.0  
*freeze\_meeting:* SP-07

*WG (prime / other):* R3 / - *rapporteur:* CASALINO, Francesco TELECOM ITALIA S.p.A.  
*G:* U: yes *MCC:* KRAUSE, Joern

*history (event, available, version,*

RP-03	23/04/1999	1	.	0	.	0
RP-04	23/06/1999	1	.	1	.	1
RP-05	13/10/1999	1	.	2	.	2
RP-07	15/03/2000	1	.	2	.	4
RP-08	23/06/2000	3	.	0	.	0
RP-09	05/10/2000	3	.	1	.	0
RP-10	21/12/2000	3	.	2	.	0
RP-11	06/04/2001	3	.	3	.	0
RP-12	05/07/2001	3	.	4	.	0
RP-14	11/01/2002	3	.	5	.	0
RP-15	02/04/2002	3	.	6	.	0
RP-16	28/06/2002	3	.	7	.	0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
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<b>TR 25.941</b>	<b>Document structure</b>				
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i> R4 / -	<i>rapporteur:</i> TAKAMI, Tadao	NTT DoCoMo Inc	
	<i>freeze_meeting:</i> RP-06	G: U: yes	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar		
	<i>history (event, available, version,</i>				
	RP-03 23/04/1999	0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>	
	RP-04 23/06/1999	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	RP-05 13/10/1999	3 . 0 . 0	<a href="#">get it</a>		
	RP-06 17/12/1999	3 . 1 . 0	<a href="#">get it</a>		

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<b>TR 25.942</b>	<b>RF system scenarios</b>				
R99	<i>current version:</i> 3.3.0	<i>WG (prime / other):</i> R4 / -	<i>rapporteur:</i> BENABDALLAH, Nadia	Vodafone Omnitel N.V	
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar		
	<i>history (event, available, version,</i>				
	RP-03 23/04/1999	0 . 0 . 2	<a href="#">get it</a>	<i>remarks - general:</i> Additional rapporteur = A.De Pasquale.	
	RP-04 23/06/1999	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	RP-05 13/10/1999	2 . 0 . 0	<a href="#">get it</a>		
	RP-06 12/12/1999	2 . 1 . 1	<a href="#">get it</a>		
	RP-07 15/03/2000	2 . 1 . 3	<a href="#">get it</a>		
	RP-09 26/10/2000	2 . 3 . 0	<a href="#">get it</a>		
	RP-11 10/04/2001	3 . 0 . 0	<a href="#">get it</a>		
	RP-12 03/07/2001	3 . 1 . 0	<a href="#">get it</a>		
	RP-14 14/01/2002	3 . 2 . 0	<a href="#">get it</a>		
	RP-16 03/07/2002	3 . 3 . 0	<a href="#">get it</a>		

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<b>TR 25.944</b>	<b>Channel coding and multiplexing examples</b>				
R99	<i>current version:</i> 3.5.0	<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> IKEDA, Shinobu	NEC Corporation	
	<i>freeze_meeting:</i> SP-07	G: U: yes	<i>MCC:</i> SASAKI, Tsukasa		
	<i>history (event, available, version,</i>				
	editor's draft 25/11/1999	0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i> Created Jan 2000 (aka R1.04)	
	R1-09 15/12/1999	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	RP-07 16/03/2000	3 . 0 . 0	<a href="#">get it</a>		
	RP-08 23/06/2000	3 . 1 . 0	<a href="#">get it</a>		
	RP-09 18/10/2000	3 . 2 . 0	<a href="#">get it</a>		
	RP-10 22/12/2000	3 . 3 . 0	<a href="#">get it</a>		
	RP-11 06/04/2001	3 . 4 . 0	<a href="#">get it</a>		
	edito 10/04/2001	3 . 4 . 1	<a href="#">get it</a>		
	RP-12 28/06/2001	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:* 3.0.0 *WG (prime / other):* R2 / *rapporteur:* FAUCONNIER, Denis NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* SP-06 *G:* U: yes *MCC:* ARZELIER, Claude  
*history (event, available, version,*  
RP-18 13/01/2003 3 . 0 . 0 Back creation from Rel-6 version [get it](#) *remarks - general:*  
*remarks - this release:* Pointer to latest release version.

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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,*  
SP-03 26/04/1999 1 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4  
SP-04 23/06/1999 3 . 0 . 0 [get it](#) *remarks - this release:* .  
SP-05 13/10/1999 3 . 0 . 1 [get it](#)

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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,*  
SP-04 23/06/1999 0 . 1 . 0 [get it](#) *remarks - general:*  
SP-03 23/04/1999 0 . 1 . 0 [get it](#) *remarks - this release:*  
SP-05 13/10/1999 1 . 0 . 0 [get it](#)  
SP-06 17/12/1999 3 . 0 . 0 [get it](#)  
SP-07 15/03/2000 3 . 1 . 0 [get it](#)  
SP-11 10/04/2001 3 . 2 . 0 [get it](#)  
SP-14 09/01/2002 3 . 3 . 0 [get it](#)

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## TS 26.074 AMR speech Codec; Test sequences

R99 *current version:* 3.1.1  
*freeze\_meeting:* SP-06

*WG (prime / other):* S4 / - *rapporteur:* EKUDDEN, Erik  
*G: yes U: yes* *MCC:* USAI, Paolino

Telefon AB LM Ericsson

*history (event, available, version,*  
SP-03 23/04/1999 0 . 0 . 0  
SP-04 23/06/1999 1 . 0 . 0  
SP-05 13/10/1999 2 . 0 . 0  
SP-06 17/12/1999 3 . 0 . 0  
Test sequences 02/02/2000 3 . 0 . 1  
available  
Test sequences 14/09/2000 3 . 0 . 2  
corrected  
SP-11 10/04/2001 3 . 1 . 0  
corrected test 04/07/2001 3 . 1 . 1

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

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## TS 26.090 AMR speech Codec; Transcoding Functions

R99 *current version:* 3.1.0  
*freeze\_meeting:* SP-04

*WG (prime / other):* S4 / - *rapporteur:* EKUDDEN, Erik  
*G: yes U: yes* *MCC:* USAI, Paolino

Telefon AB LM Ericsson

*history (event, available, version,*  
SP-03 26/04/1999 1 . 0 . 0  
SP-04 23/06/1999 3 . 0 . 0  
SP-05 13/10/1999 3 . 0 . 1  
SP-06 17/12/1999 3 . 1 . 0

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

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## TS 26.091 AMR speech Codec; Error concealment of lost frames

R99 *current version:* 3.1.0  
*freeze\_meeting:* SP-04

*WG (prime / other):* S4 / - *rapporteur:* EKUDDEN, Erik  
*G: yes U: yes* *MCC:* USAI, Paolino

Telefon AB LM Ericsson

*history (event, available, version,*  
SP-03 26/04/1999 1 . 0 . 0  
SP-04 23/06/1999 3 . 0 . 0  
SP-05 13/10/1999 3 . 0 . 1  
SP-06 17/12/1999 3 . 1 . 0

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

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<b>TS 26.092</b>	<b>AMR speech Codec; comfort noise for AMR Speech Traffic Channels</b>				
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,				
	SP-03 26/04/1999	1 . 0 . 0	<a href="#">get it</a>	remarks - general: Transfer>TSG#4	
	SP-04 23/06/1999	3 . 0 . 0	<a href="#">get it</a>	remarks - this release: .	
	SP-05 13/10/1999	3 . 0 . 1	<a href="#">get it</a>		
<hr/>					
<b>TS 26.093</b>	<b>AMR speech Codec; Source Controlled Rate operation</b>				
R99	current version: 3.3.0	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,				
	SP-03 26/04/1999	1 . 0 . 0	<a href="#">get it</a>	remarks - general: Transfer>TSG#4	
	SP-04 23/06/1999	3 . 0 . 0	<a href="#">get it</a>	remarks - this release:	
	SP-05 13/10/1999	3 . 0 . 1	<a href="#">get it</a>		
	SP-06 17/12/1999	3 . 1 . 0	<a href="#">get it</a>		
	SP-08 28/06/2000	3 . 2 . 0	<a href="#">get it</a>		
	SP-10 21/12/2000	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	current version: 3.0.0	WG (prime / other):	S4 / -	rapporteur: USAI, Paolino	TELECOM ITALIA S.p.A.
	freeze_meeting: SP-05	G: yes U: yes		MCC: USAI, Paolino	
	history (event, available, version,				
	SP-04 23/06/1999	0 . 1 . 0	<a href="#">get it</a>	remarks - general: Transfer>TSG#4	
	SP-03 26/04/1999	0 . 1 . 0	<a href="#">get it</a>	remarks - this release: .	
	SP-05 13/10/1999	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	current version: 3.3.0	WG (prime / other):	S4 / -	rapporteur: HAGQVIST, Jari	NOKIA Corporation
	freeze_meeting: SP-06	G: U: yes		MCC: USAI, Paolino	
	history (event, available, version,				
	SP-03 26/04/1999	1 . 0 . 0	<a href="#">get it</a>	remarks - general:	
	SP-04 23/06/1999	1 . 2 . 0	<a href="#">get it</a>	remarks - this release:	
	SP-05 13/10/1999	1 . 4 . 0	<a href="#">get it</a>		
	SP-06 17/12/1999	3 . 0 . 0	<a href="#">get it</a>		
	SP-07 15/03/2000	3 . 1 . 0	<a href="#">get it</a>		
	SP-12 01/08/2001	3 . 2 . 0	<a href="#">get it</a>		
	SP-15 28/03/2002	3 . 3 . 0	<a href="#">get it</a>		

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

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## TS 26.102 Adaptive Multi-Rate (AMR) speech codec; Interface to Iu and Uu

R99 *current version:* 3.4.0 *WG (prime / other):* S4 / - *rapporteur:* NAVARRO, William NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* SP-06 *G: yes U: yes* *MCC:* USAI, Paolino  
*history (event, available, version,*  
SP-03 26/04/1999 0 . 2 . 0 [get it](#) *remarks - general:*  
SP-06 17/12/1999 3 . 0 . 0 [get it](#) *remarks - this release:*  
SP-07 15/03/2000 3 . 1 . 0 [get it](#)  
SP-10 12/12/2000 3 . 2 . 0 [get it](#)  
SP-11 10/04/2001 3 . 3 . 0 [get it](#)  
SP-19 04/04/2003 3 . 4 . 0 [get it](#)

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## TS 26.103 Speech codec list for GSM and UMTS

R99 *current version:* 3.2.0 *WG (prime / other):* S4 / - *rapporteur:* HELLWIG, Karl Telefon AB LM Ericsson  
*freeze\_meeting:* SP-06 *G: yes U: yes* *MCC:* USAI, Paolino  
*history (event, available, version,*  
SP-06 17/12/1999 3 . 0 . 0 [get it](#) *remarks - general:* New after TSG#5  
SP-14 09/01/2002 3 . 1 . 0 [get it](#) *remarks - this release:* .  
SP-16 28/06/2002 3 . 2 . 0 [get it](#)

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

R99 *current version:* 3.5.0 *WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*freeze\_meeting:* SP-07 *G: yes U: yes* *MCC:* USAI, Paolino  
*history (event, available, version,*  
SP-06 17/12/1999 0 . 1 . 0 [get it](#) *remarks - general:*  
SP-07 15/03/2000 0 . 3 . 0 SP-000022 [get it](#) *remarks - this release:*  
SP-08 28/06/2000 3 . 0 . 0 [get it](#)  
SP-10 21/12/2000 3 . 1 . 0 [get it](#)  
SP-12 27/06/2001 3 . 2 . 0 [get it](#)  
bug fix 29/06/2001 3 . 2 . 1 [get it](#)  
SP-13 02/10/2001 3 . 3 . 0 [get it](#)  
SP-15 28/03/2002 3 . 4 . 0 [get it](#)  
SP-19 04/04/2003 3 . 5 . 0 [get it](#)

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

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**TS 26.110 Codec for circuit switched multimedia telephony service; General description**

R99 *current version:* 3.1.0 *WG (prime / other):* S4 / - *rapporteur:* ARONSON, Barry TOSHIBA CO  
*freeze\_meeting:* SP-04 *G:* yes *U:* yes *MCC:* USAI, Paolino  
*history (event, available, version,*  
SP-03 26/04/1999 1 . 0 . 0 [get it](#) *remarks - general:*  
SP-04 23/06/1999 3 . 0 . 0 [get it](#) *remarks - this release:*  
SP-05 13/10/1999 3 . 0 . 1 [get it](#)  
SP-11 04/07/2001 3 . 1 . 0 [get it](#)

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**TS 26.111 Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324**

R99 *current version:* 3.4.0 *WG (prime / other):* S4 / - *rapporteur:* ARONSON, Barry TOSHIBA CO  
*freeze\_meeting:* SP-04 *G:* yes *U:* yes *MCC:* USAI, Paolino  
*history (event, available, version,*  
SP-03 26/04/1999 1 . 0 . 0 [get it](#) *remarks - general:* CR at TSG#5  
SP-04 23/06/1999 3 . 0 . 0 [get it](#) *remarks - this release:*  
SP-05 13/10/1999 3 . 0 . 2 [get it](#)  
SP-06 15/12/1999 3 . 1 . 0 [get it](#)  
SP-08 28/06/2000 3 . 2 . 0 [get it](#)  
SP-09 10/10/2000 3 . 3 . 0 [get it](#)  
SP-10 21/12/2000 3 . 4 . 0 [get it](#)

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**TS 26.131 Terminal acoustic characteristics for telephony; Requirements**

R99 *current version:* 3.4.0 *WG (prime / other):* S4 / - *rapporteur:* GOETZ, Ian TELLABS OPERATIONS INC.  
*freeze\_meeting:* SP-06 *G:* *U:* yes *MCC:* USAI, Paolino  
*history (event, available, version,*  
SP-05 13/10/1999 0 . 0 . 0 [get it](#) *remarks - general:*  
SP-06 17/12/1999 3 . 0 . 0 [get it](#) *remarks - this release:*  
SP-08 28/06/2000 3 . 1 . 0 [get it](#)  
SP-11 10/04/2001 3 . 2 . 0 [get it](#)  
SP-13 02/10/2001 3 . 3 . 0 [get it](#)  
SP-17 24/09/2002 3 . 4 . 0 [get it](#)

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

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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	<i>G:</i> U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-05 13/10/1999	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 28/06/2000	3 . 0 . 0	<a href="#">get it</a>			
	SP-09 10/10/2000	3 . 1 . 0	<a href="#">get it</a>			
	SP-11 10/04/2001	3 . 2 . 0	<a href="#">get it</a>			
	SP-13 02/10/2001	3 . 3 . 0	<a href="#">get it</a>			
	SP-15 28/03/2002	3 . 4 . 0	<a href="#">get it</a>			
	SP-17 24/09/2002	3 . 5 . 0	<a href="#">get it</a>			
<hr/>						
<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	<i>G:</i> yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-03 26/04/1999	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-04 23/06/1999	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-05 13/10/1999	3 . 0 . 2	<a href="#">get it</a>			
	decision to revise 30/10/1999	3 . 1 . 0	<a href="#">get it</a>			
	version number					
	SP-06 17/12/1999	3 . 2 . 0	<a href="#">get it</a>			
	edito 10/10/2000	3 . 2 . 1	<a href="#">get it</a>			
	SP-10 21/12/2000	3 . 3 . 0	<a href="#">get it</a>			
	SP-19 04/04/2003	3 . 4 . 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>					
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	<i>G:</i> U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-03 26/04/1999	0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-04 23/06/1999	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-07 15/03/2000	3 . 0 . 0	<a href="#">get it</a>			

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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,*  
Creation of WI by 02/02/2000 0 . 0 . 1  
WG/TB  
SP-07 17/03/2000 3 . 0 . 0

*WG (prime / other):* S4 / - *rapporteur:* GOETZ, Ian TELLABS OPERATIONS INC.  
*G:* yes *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.

## 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,*  
SP-06 17/12/1999 1 . 0 . 0  
SP-07 17/03/2000 1 . 1 . 0  
SP-11 31/03/2001 3 . 0 . 0  
SP-13 05/10/2001 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](#)

R99

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Server location: [http://www.3gpp.org/ftp/Specs/archive/27\\_series](http://www.3gpp.org/ftp/Specs/archive/27_series)

## TS 27.001 General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)

R99 *current version:* 3.12.0  
*freeze\_meeting:* SP-03  
*history (event, available, version,*  
NP-03 23/04/1999 3 . 0 . 0  
NP-05 13/10/1999 3 . 2 . 0  
NP-06 17/12/1999 3 . 3 . 0  
NP-07 15/03/2000 3 . 4 . 0  
NP-08 23/06/2000 3 . 5 . 0  
NP-09 23/10/2000 3 . 6 . 0  
NP-10 04/01/2001 3 . 7 . 0  
NP-11 05/04/2001 3 . 8 . 0  
NP-12 04/07/2001 3 . 9 . 0  
NP-13 10/10/2001 3 . 10 . 0  
NP-17 17/09/2002 3 . 11 . 0  
NP-20 25/06/2003 3 . 12 . 0

*WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar Telefon AB LM Ericsson  
*G:* yes *U:* yes *MCC:* BOSWARTHICK, David

[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

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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,*

NP-03	23/04/1999	3	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
NP-05	13/10/1999	3	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
NP-06	17/12/1999	3	.	2	.	0	<a href="#">get it</a>
NP-07	15/03/2000	3	.	3	.	0	<a href="#">get it</a>
NP-08	23/06/2000	3	.	4	.	0	<a href="#">get it</a>
NP-09	12/10/2000	3	.	5	.	0	<a href="#">get it</a>

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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,*

NP-03	23/04/1999	3	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
NP-04	23/06/1999	3	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
NP-06	17/12/1999	3	.	2	.	0	<a href="#">get it</a>
NP-07	15/03/2000	3	.	3	.	0	<a href="#">get it</a>
NP-08	23/06/2000	3	.	4	.	0	<a href="#">get it</a>
NP-09	12/10/2000	3	.	5	.	0	<a href="#">get it</a>

---

## 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,*

TP-03	28/04/1999	1	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
TP-04	18/06/1999	3	.	0	.	0	<a href="#">get it</a> <i>remarks - this release:</i> .
TP-06	17/12/1999	3	.	1	.	0	<a href="#">get it</a>
TP-16	25/06/2002	3	.	2	.	0	<a href="#">get it</a>

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

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## TS 27.007 AT command set for 3G User Equipment (UE)

R99 *current version:* 3.13.0

*freeze\_meeting:* SP-04

*history (event, available, version,*

TP-03	28/04/1999	1	.	0	.	0
TP-04	18/06/1999	3	.	1	.	0
TP-05	08/10/1999	3	.	2	.	0
TP-06	17/12/1999	3	.	3	.	0
TP-07	15/03/2000	3	.	4	.	0
TP-08	23/06/2000	3	.	5	.	0
TP-09	11/10/2000	3	.	6	.	0
TP-10	04/01/2001	3	.	7	.	0
TP-11	06/04/2001	3	.	8	.	0
TP-12	04/07/2001	3	.	9	.	0
TP-14	11/01/2002	3	.	10	.	0
TP-15	29/03/2002	3	.	11	.	0
TP-18	20/12/2002	3	.	12	.	0
TP-19	31/03/2003	3	.	13	.	0

*WG (prime / other):* T2 / - *rapporteur:* CHRISTENSEN, Soren Telefon AB LM Ericsson  
*G: yes U: yes* *MCC:* RODERMUND, Friedhelm

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
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## TS 27.010 Terminal Equipment to User Equipment (TE-UE) multiplexer protocol

R99 *current version:* 3.4.0

*freeze\_meeting:* SP-04

*history (event, available, version,*

TP-03	28/04/1999	1	.	0	.	0
TP-04	18/06/1999	3	.	1	.	0
TP-05	08/10/1999	3	.	2	.	0
TP-07	15/03/2000	3	.	3	.	0
TP-15	25/03/2002	3	.	4	.	0

*WG (prime / other):* T2 / - *rapporteur:* BROOK, Richard SAMSUNG Electronics Research Institute  
*G: yes U: yes* *MCC:* RODERMUND, Friedhelm

[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

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<b>TS 27.060</b>	<b>Packet domain; Mobile Station (MS) supporting Packet Switched services</b>					
R99	<i>current version:</i> 3.8.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> WILD, Johanna	MOTOROLA Ltd		
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version,</i>					
	NP-03 23/04/1999 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> GPRS			
	NP-04 23/06/1999 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	NP-05 13/10/1999 3 . 2 . 0	<a href="#">get it</a>				
	NP-06 17/12/1999 3 . 3 . 0	<a href="#">get it</a>				
	NP-07 15/03/2000 3 . 4 . 0	<a href="#">get it</a>				
	NP-11 06/04/2001 3 . 5 . 0	<a href="#">get it</a>				
	NP-16 24/06/2002 3 . 6 . 0	<a href="#">get it</a>				
	NP-17 17/09/2002 3 . 7 . 0	<a href="#">get it</a>				
	NP-20 23/06/2003 3 . 8 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 27.103</b>	<b>Wide Area Network Synchronization</b>					
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> CHAU, Alan	NOKIA UK Ltd		
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	<i>MCC:</i> RODERMUND, Friedhelm			
	<i>history (event, available, version,</i>					
	TP-05 08/10/1999 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	TP-09 16/10/2000 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> TSG#8:3.1.0 but this CR not impementable.			
<hr/>						
<b>TR 27.901</b>	<b>Report on Terminal Interfaces - An Overview</b>					
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> REX, Thomas	ERICSSON MOBILE COMMUNICATIONS AB		
	<i>freeze_meeting:</i> SP-06	G: U: yes	<i>MCC:</i> RODERMUND, Friedhelm			
	<i>history (event, available, version,</i>					
	TP-03 23/04/1999 0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>			
	TP-04 18/06/1999 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	TP-05 08/10/1999 1 . 0 . 1	<a href="#">get it</a>				
	TP-06 completed 17/12/1999 3 . 0 . 0	<a href="#">get it</a>				
	TP-15 26/03/2002 3 . 1 . 0	<a href="#">get it</a>				
<hr/>						
<b>TR 27.903</b>	<b>Discussion of synchronization standards</b>					
R99	<i>current version:</i> 3.0.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> LOCKHART, Rob	Motorola Inc.		
	<i>freeze_meeting:</i> SP-05	G: U: yes	<i>MCC:</i> RODERMUND, Friedhelm			
	<i>history (event, available, version,</i>					
	TP-03 23/04/1999 0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	TP-05 08/10/1999 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

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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)

## TS 29.002 Mobile Application Part (MAP) specification

R99 current version: 3.17.0

freeze\_meeting: SP-03

history (event, available, version,

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:

NP-03 23/04/1999 3 . 0 . 0

NP-04 23/06/1999 3 . 1 . 0

NP-05 13/10/1999 3 . 2 . 0

NP-06 17/12/1999 3 . 3 . 0

edito 31/01/2000 3 . 3 . 1

NP-07 15/03/2000 3 . 4 . 0

NP-08 23/06/2000 3 . 5 . 0

edito 04/08/2000 3 . 5 . 1

edito 10/08/2000 3 . 5 . 2

NP-09 26/10/2000 3 . 6 . 0

NP-10 20/12/2000 3 . 7 . 0

edito 02/01/2001 3 . 7 . 1

edito to make 31/01/2001 3 . 7 . 2

figures legible

NP-11 06/04/2001 3 . 8 . 0

NP-12 06/07/2001 3 . 9 . 0

NP-13 03/10/2001 3 . 10 . 0

NP-14 18/01/2002 3 . 11 . 0

NP-15 04/04/2002 3 . 12 . 0

NP-16 21/06/2002 3 . 13 . 0

NP-17 24/09/2002 3 . 14 . 0

NP-18 09/01/2003 3 . 15 . 0

NP-19 07/04/2003 3 . 16 . 0

NP-20 04/07/2003 3 . 17 . 0

delayed availability due to complexity  
of changes

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

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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: 3.12.0* WG (prime / other): N3 / - rapporteur: KLEHN, Norbert SIEMENS AG  
*freeze\_meeting: SP-03* G: yes U: yes MCC: BOSWARTHICK, David

*history (event, available, version,*

NP-03	23/04/1999	3	0	0
post-SP-04	27/05/1999	3	1	0
NP-05	13/10/1999	3	2	0
NP-06	17/12/1999	3	3	0
NP-07	15/03/2000	3	4	0
NP-08	23/06/2000	3	5	0
NP-09	12/10/2000	3	6	0
NP-10	22/12/2000	3	7	0
NP-11	29/03/2001	3	8	0
NP-14	11/01/2002	3	9	0
NP-16	24/06/2002	3	10	0
NP-18	06/01/2003	3	11	0
NP-20	23/06/2003	3	12	0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
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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)* 3.11.0WG (prime / other): N4 /- rapporteur: KYMALAINEN, Kimmo  
 TeliaSonera AB

*freeze\_meeting: SP-05*

G: yes U: yes MCC: KYMALAINEN, Kimmo

*history (event, available, version,*

NP-03	23/04/1999	0	0	0
NP-05	13/10/1999	3	0	0
NP-06	15/12/1999	3	1	0
NP-07	15/03/2000	3	2	0
NP-09	26/10/2000	3	3	0
NP-10	21/12/2000	3	4	0
NP-11	30/03/2001	3	5	0
NP-12	04/07/2001	3	6	0
NP-14	11/01/2002	3	7	0
NP-16	21/06/2002	3	8	0
NP-17	18/09/2002	3	9	0
NP-18	07/01/2003	3	10	0
NP-20	27/06/2003	3	11	0

[get it](#) *remarks - general:* Transfer>TSG#4 (transfer??)  
[get it](#) *remarks - this release:*  
[get it](#)  
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G = required in systems with GERAN acces; U = required in systems with UMTS

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**TS 29.011 Signalling Interworking for Supplementary Services**

R99 *current version:* 3.0.0  
*freeze\_meeting:* SP-03  
*history (event, available, version,*  
NP-03 23/04/1999 3 . 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 29.013 Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols**

R99 *current version:* 3.0.0  
*freeze\_meeting:* SP-05  
*history (event, available, version,*  
NP-04 23/06/1999 3 . 0 . 0

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

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

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**TS 29.016 Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification**

R99 *current version:* 3.1.0  
*freeze\_meeting:* SP-03  
*history (event, available, version,*  
NP-03 23/04/1999 3 . 0 . 0  
NP-09 06/10/2000 3 . 1 . 0

*WG (prime / other):* N1 / - *rapporteur:* MILLS, Duncan VODAFONE Group Plc  
*G: yes U: yes* *MCC:* JORGENSEN, Per Johan

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

---

**TS 29.018 General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification**

R99 *current version:* 3.10.0  
*freeze\_meeting:* SP-03  
*history (event, available, version,*  
NP-03 23/04/1999 3 . 0 . 0  
NP-04 23/06/1999 3 . 1 . 0  
NP-05 13/10/1999 3 . 2 . 0  
NP-07 15/03/2000 3 . 3 . 0  
NP-09 23/10/2000 3 . 4 . 0  
edito 31/10/2000 3 . 4 . 1  
NP-10 02/01/2001 3 . 5 . 0  
NP-11 06/04/2001 3 . 6 . 0  
NP-13 03/10/2001 3 . 7 . 0  
NP-14 04/01/2002 3 . 8 . 0  
NP-15 21/03/2002 3 . 9 . 0  
NP-16 26/06/2002 3 . 10 . 0

*WG (prime / other):* N1 / - *rapporteur:* MILLS, Duncan VODAFONE Group Plc  
*G: yes U: yes* *MCC:* JORGENSEN, Per Johan

[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

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**TS 29.060 General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface**

R99 *current version:* 3.17.0 *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*freeze\_meeting:* SP-03 *G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*

NP-03	23/04/1999	3	.	0	.	0
NP-04	23/06/1999	3	.	1	.	0
NP-05	13/10/1999	3	.	2	.	0
NP-06	15/12/1999	3	.	3	.	0
NP-07	15/03/2000	3	.	4	.	0
NP-08	23/06/2000	3	.	5	.	0
NP-10	28/09/2000	3	.	6	.	0
NP-10	21/12/2000	3	.	7	.	0
NP-11	30/03/2001	3	.	8	.	0
NP-12	04/07/2001	3	.	9	.	0
NP-13	03/10/2001	3	.	10	.	0
NP-14	11/01/2002	3	.	11	.	0
NP-15	28/03/2002	3	.	12	.	0
NP-16	21/06/2002	3	.	13	.	0
NP-17	18/09/2002	3	.	14	.	0
NP-18	07/01/2003	3	.	15	.	0
NP-19	04/04/2003	3	.	16	.	0
NP-20	27/06/2003	3	.	17	.	0

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*remarks - general:*

[get it](#)

*remarks - this release:*

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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> 3.13.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> WILD, Johanna	MOTOROLA Ltd	
	<i>freeze_meeting:</i> SP-03	<i>G: yes U: yes</i>	<i>MCC:</i> BOSWARTHICK, David		
	<i>history (event, available, version,</i>				
	NP-03 23/04/1999	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Former title: "General Packet Radio Service (GPRS); Interworking between the	
	NP-04 23/06/1999	3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> Public Land Mobile Network (PLMN) supporting GPRS and Packet".	
	NP-06 15/12/1999	3 . 2 . 0	<a href="#">get it</a>		
	NP-07 15/03/2000	3 . 3 . 0	<a href="#">get it</a>		
	NP-09 12/10/2000	3 . 4 . 0	<a href="#">get it</a>		
	NP-11 06/04/2001	3 . 5 . 0	<a href="#">get it</a>		
	NP-12 28/06/2001	3 . 6 . 0	<a href="#">get it</a>		
	NP-13 12/10/2001	3 . 7 . 0	<a href="#">get it</a>		
	NP-14 14/01/2002	3 . 8 . 0	<a href="#">get it</a>		
	NP-15 20/03/2002	3 . 9 . 0	<a href="#">get it</a>		
	NP-16 03/07/2002	3 . 10 . 0	<a href="#">get it</a>		
	NP-18 09/01/2003	3 . 11 . 0	<a href="#">get it</a>		
	NP-19 27/03/2003	3 . 12 . 0	<a href="#">get it</a>		
	NP-20 23/06/2003	3 . 13 . 0	<a href="#">get it</a>		

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<b>TS 29.078</b>	<b>Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification</b>	<i>WG (prime / other):</i> N2 / -	<i>rapporteur:</i> NOLDUS, Rogier	Telefon AB LM Ericsson
R99	<i>current version:</i> 3.15.0	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> JURISIC, Andrijana	
	<i>freeze_meeting:</i> SP-05			
	<i>history (event, available, version,</i>			
	NP-03 23/04/1999	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4
	NP-04 30/06/1999	3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> Phase 3
	NP-06 17/12/1999	3 . 2 . 0	<a href="#">get it</a>	
	NP-07 15/03/2000	3 . 3 . 0	<a href="#">get it</a>	
	NP-08 23/06/2000	3 . 4 . 0	<a href="#">get it</a>	
	Editorial 23/06/2000	3 . 4 . 1	<a href="#">get it</a>	
	NP-09 10/10/2000	3 . 5 . 0	<a href="#">get it</a>	
	NP-10 05/01/2001	3 . 6 . 0	<a href="#">get it</a>	
	NP-11 29/03/2001	3 . 7 . 0	<a href="#">get it</a>	
	NP-12 03/07/2001	3 . 8 . 0	<a href="#">get it</a>	
	NP-13 03/10/2001	3 . 9 . 0	<a href="#">get it</a>	
	NP-14 04/01/2002	3 . 10 . 0	<a href="#">get it</a>	
	NP-15 19/03/2002	3 . 11 . 0	<a href="#">get it</a>	
	NP-16 17/06/2002	3 . 12 . 0	<a href="#">get it</a>	
	NP-17 17/09/2002	3 . 13 . 0	<a href="#">get it</a>	
	NP-18 18/12/2002	3 . 14 . 0	<a href="#">get it</a>	
	NP-19 25/03/2003	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>	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> VESELY, Alexander	SIEMENS AG
R99	<i>current version:</i> 3.3.0	<i>G:</i> <i>U:</i> yes	<i>MCC:</i> KRAUSE, Joern	
	<i>freeze_meeting:</i> SP-08			
	<i>history (event, available, version,</i>			
	RP-08	2 . 0 . 0		<i>remarks - general:</i> TSG#8:Appeared as v2.0.0 (RP-000258)
	RP-08 30/06/2000	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
	RP-10 20/12/2000	3 . 1 . 0	<a href="#">get it</a>	
	RP-13 12/10/2001	3 . 2 . 0	<a href="#">get it</a>	
	RP-19 26/03/2003	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,</i>								
	NP-04 27/05/1999	0 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> New after TSG#5		
	NP-06 15/12/1999	1 . 0 . 0				<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-07 15/03/2000	3 . 0 . 0				<a href="#">get it</a>			
<hr/>									
<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,</i>								
	NP-04 27/05/1999	0 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i> New after TSG#5		
	NP-06 15/12/1999	1 . 0 . 0				<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-07 15/03/2000	3 . 0 . 0				<a href="#">get it</a>			
	NP-09 25/10/2000	3 . 1 . 0				<a href="#">get it</a>			
<hr/>									
<b>TS 29.198</b>	<b>Open Service Architecture (OSI) 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,</i>								
	NP-07 13/03/2000	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 23/06/2000	3 . 0 . 0				<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-09 09/10/2000	3 . 1 . 0				<a href="#">get it</a>			
	NP-10 03/01/2001	3 . 2 . 0				<a href="#">get it</a>			
	NP-11 28/03/2001	3 . 3 . 0				<a href="#">get it</a>			
	NP-12 29/06/2001	3 . 4 . 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>								
R99	<i>current version:</i> 3.0.1		<i>WG (prime / other):</i> N1 / RP	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S				
	<i>freeze_meeting:</i> SP-06			Peter Skov					
	<i>history (event, available, version,</i>		<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> JORGENSEN, Per Johan					
	NP-16 26/06/2002	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		
	edito post NP-18 16/12/2002	3 . 0 . 1				<a href="#">get it</a>	<i>remarks - this release:</i> . latest Release version.		
								minor editorials to change style from TS to TR.	

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

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## TR 29.998 Open Services Architecture API part 2

R99 *current version:* 3.2.0  
*freeze\_meeting:* SP-08  
*history (event, available, version,*

NP-07	13/03/2000	1	.	0	.	0
NP-08	23/06/2000	3	.	0	.	0
NP-09	08/10/2000	3	.	1	.	0
NP-10	03/01/2001	3	.	2	.	0

*WG (prime / other):* N5 / - *rapporteur:* ABARCA, Chelo  
*G:* *U:* yes *MCC:* ZOICAS, Adrian

ALCATEL S.A.

[get it](#) *remarks - general:* OSA subgroup  
[get it](#) *remarks - this release:*  
[get it](#)  
[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  
*freeze\_meeting:* SP-06  
*history (event, available, version,*

TP-03	23/04/1999	0	.	0	.	0
TP-04	23/06/1999	0	.	5	.	0
TP-05	08/10/1999	1	.	0	.	0
TP-06	17/12/1999	3	.	0	.	0
TP-07	15/03/2000	3	.	1	.	0
TP-08	06/02/2000	3	.	2	.	0
TP-09	18/10/2000	3	.	3	.	0

completion target

*WG (prime / other):* T3 / SCP *rapporteur:* VESTERGAARD, Peter NOKIA UK Ltd  
*G:* *U:* yes *MCC:* DIETZE, Claus

[get it](#) *remarks - general:* Contents is a reference to ETSI TR 102 221.  
[get it](#) *remarks - this release:* TP-09: txferred from T2 to ETSI SCP as TR 102 221. So removed from 3gpp spec list. Sanders, May 2001: no, not withdrawn. So re-instated.  
[get it](#)  
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G = required in systems with GERAN acces; U = required in systems with UMTS

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## TS 31.102 Characteristics of the USIM application

R99 current version: 3.13.0

freeze\_meeting: SP-06

history (event, available, version,

TP-03 23/04/1999 0 . 0 . 0

TP-04 23/06/1999 0 . 5 . 0

TP-05 08/10/1999 1 . 0 . 0

TP-06 17/12/1999 3 . 0 . 0

TP-07 completion 15/03/2000 3 . 1 . 0

target

TP-08 23/06/2000 3 . 2 . 0

TP-09 18/10/2000 3 . 3 . 0

TP-10 05/01/2001 3 . 4 . 0

TP-11 09/04/2001 3 . 5 . 0

TP-12 06/07/2001 3 . 6 . 0

TP-13 11/10/2001 3 . 7 . 0

TP-14 17/01/2002 3 . 8 . 0

TP-16 28/06/2002 3 . 9 . 0

TP-17 25/09/2002 3 . 10 . 0

TP-18 02/01/2003 3 . 11 . 0

TP-19 01/04/2003 3 . 12 . 0

TP-20 23/06/2003 3 . 13 . 0

WG (prime / other): T3 / - rapporteur: HEIM, Christian  
G: U: yes MCC: DIETZE, Claus

GIESECKE & DEVRIENT GmbH

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remarks - general:

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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

history (event, available, version,

E-mailed to SPT 15/11/1999 1 . 0 . 0

for information

TP-06 17/12/1999 3 . 0 . 0

TP-07 completion 15/03/2000 3 . 1 . 0

target

TP-09 18/10/2000 3 . 2 . 0

WG (prime / other): T3 / - rapporteur: DIETRICH, Christian  
G: U: yes MCC: DIETZE, Claus

SchlumbergerSema - Schlumberger Systèmes S.A

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remarks - general:

Sanders April 2001: Will be scrapped in favour of an ETSI SCP document. May

remarks - this release:

2001: Sanders: "unscrapped". Contents will be change to a reference to ETSI TS

101 220.

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<b>TS 31.111</b>	<b>Universal Subscriber Identity Module Application Toolkit (USAT)</b>					
R99	<i>current version:</i> 3.10.0	<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> DIETZE, Claus			
<i>history (event, available, version,</i>						
	TP-06 17/12/1999	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 15/03/2000	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	TP-08 23/06/2000	3 . 1 . 0	<a href="#">get it</a>			
	TP-09 18/10/2000	3 . 2 . 0	<a href="#">get it</a>			
	TP-10 05/01/2001	3 . 3 . 0	<a href="#">get it</a>			
	TP-11 09/04/2001	3 . 4 . 0	<a href="#">get it</a>			
	TP-12 06/07/2001	3 . 5 . 0	<a href="#">get it</a>			
	TP-13 12/10/2001	3 . 6 . 0	<a href="#">get it</a>			
	TP-14 16/01/2002	3 . 7 . 0	<a href="#">get it</a>			
	TP-16 28/06/2002	3 . 8 . 0	<a href="#">get it</a>			
	TP-18 02/01/2003	3 . 9 . 0	<a href="#">get it</a>			
	TP-19 04/04/2003	3 . 10 . 0	<a href="#">get it</a>			
<hr/>						
<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> DIETZE, Claus			
<i>history (event, available, version,</i>						
	TP-09 18/10/2000	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 05/01/2001	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	TP-11:moved to ETSI-SCP. TP-12: reinstated.	
<hr/>						
<b>TS 31.121</b>	<b>UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification</b>					
R99	<i>current version:</i> 3.6.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> AFCHAR, Ramin	VODAFONE Group Plc		
	<i>freeze_meeting:</i> SP-08	<i>G:</i> <i>U:</i> yes	<i>MCC:</i> DIETZE, Claus			
<i>history (event, available, version,</i>						
	TP-09 18/10/2000	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	based on R99 core spec; split into 2 parts (this is 2)	
	TP-10 05/01/2001	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	TP-12 06/07/2001	3 . 1 . 0	<a href="#">get it</a>			
	TP-16 19/06/2002	3 . 2 . 0	<a href="#">get it</a>			
	TP-17 18/09/2002	3 . 3 . 0	<a href="#">get it</a>			
	TP-18 02/01/2003	3 . 4 . 0	<a href="#">get it</a>			
	TP-19 26/03/2003	3 . 5 . 0	<a href="#">get it</a>			
	TP-20 23/06/2003	3 . 6 . 0	<a href="#">get it</a>			

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## TS 31.122 Universal Subscriber Identity Module (USIM) conformance test specification

R99 *current version:* 3.6.0  
*freeze\_meeting:* SP-08  
*history (event, available, version,*

*WG (prime / other):* T3 / - *rapporteur:* KNIGHT, Simon  
*G:* *U:* yes *MCC:* DIETZE, Claus

ASPECTS Software Ltd

TP-09 18/10/2000 1 . 0 . 0  
TP-10 2 . 0 . 0  
TP-10 05/01/2001 3 . 0 . 0  
TP-14 17/01/2002 3 . 1 . 0  
TP-15 28/03/2002 3 . 2 . 0  
TP-16 19/06/2002 3 . 3 . 0  
TP-17 18/09/2002 3 . 4 . 0  
TP-18 02/01/2003 3 . 5 . 0  
TP-19 01/04/2003 3 . 6 . 0

[get it](#)

*remarks - general:* based on R99 core spec; was originally 31.121 but renumbered which 31.120 was  
*remarks - this release:* split into two parts

[get it](#)

[get it](#)

[get it](#)

[get it](#)

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[get it](#)

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R99

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## TS 32.005 Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain

R99 *current version:* 3.6.0  
*freeze\_meeting:* SP-08  
*history (event, available, version,*

*WG (prime / other):* S5 / - *rapporteur:* ALEXANDER, Benni  
*G:* *U:* yes *MCC:* ZOICAS, Adrian

NOKIA Corporation

SP-06 17/12/1999 3 . 0 . 0  
SP-08 23/06/2000 3 . 1 . 0  
correct 10/10/2000 3 . 2 . 0  
implementation of  
previous CR  
SP-10 21/12/2000 3 . 3 . 0  
edito 22/01/2001 3 . 3 . 1  
SP-11 05/04/2001 3 . 4 . 0  
SP-13 05/10/2001 3 . 5 . 0  
SP-15 26/03/2002 3 . 6 . 0

[get it](#)

*remarks - general:*

[get it](#)

*remarks - this release:*

[get it](#)

[get it](#)

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## TS 32.015 Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain

R99 current version: 3.11.0

freeze\_meeting: SP-08

WG (prime / other): S5 / - rapporteur: ALEXANDER, Benni  
G: U: yes MCC: ZOICAS, Adrian

NOKIA Corporation

history (event, available, version,

SP-06	17/12/1999	3	.	0	.	0
SP-07	17/03/2000	3	.	1	.	0
Editorial	17/03/2000	3	.	1	.	1
SP-08	23/06/2000	3	.	2	.	0
SP-09	10/10/2000	3	.	3	.	0
SP-10	21/12/2000	3	.	4	.	0
SP-11	05/04/2001	3	.	5	.	0
SP-12	03/07/2001	3	.	6	.	0
SP-13	05/10/2001	3	.	7	.	0
SP-14	11/01/2002	3	.	8	.	0
SP-15	26/03/2002	3	.	9	.	0
SP-18	07/01/2003	3	.	10	.	0
SP-19	02/04/2003	3	.	11	.	0

[get it](#)

remarks - general:

remarks - this release:

[get it](#)

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## TS 32.101 Telecommunication management; Principles and high level requirements

R99 current version: 3.4.0

freeze\_meeting: SP-07

WG (prime / other): S5 / - rapporteur: TRUSS, Michael  
G: U: yes MCC: ZOICAS, Adrian

MOTOROLA Ltd

history (event, available, version,

SP-03	26/04/1999	1	.	0	.	0
SP-05	13/10/1999	1	.	2	.	0
SP-06	17/12/1999	3	.	0	.	0
SP-07	17/03/2000	3	.	1	.	0
Editorial	17/03/2000	3	.	1	.	1
SP-08	23/06/2000	3	.	2	.	0
SP-10	21/12/2000	3	.	3	.	0
SP-11	05/10/2001	3	.	4	.	0

[get it](#)

remarks - general:

remarks - this release:

[get it](#)

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## TS 32.102 Telecommunication management; Architecture

R99 current version: 3.2.0  
freeze\_meeting: SP-07

WG (prime / other): S5 / - rapporteur: BERGGREN, Tommy TeliaSonera AB  
G: U: yes MCC: ZOICAS, Adrian

history (event, available, version,  
Creation of WI by 26/04/1999 0 . 0 . 0  
WG/TB  
SP-03 26/04/1999 1 . 0 . 0  
SP-05 13/10/1999 1 . 2 . 0  
SP-06 17/12/1999 3 . 0 . 0  
SP-07 17/03/2000 3 . 1 . 0  
Editorial 17/03/2000 3 . 1 . 1  
SP-08 23/06/2000 3 . 2 . 0

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

## TS 32.104 3G Performance Management

R99 current version: 3.6.0  
freeze\_meeting: SP-07

WG (prime / other): S5 / - rapporteur: HÜBINETTE, Ulf Telefon AB LM Ericsson  
G: U: yes MCC: ZOICAS, Adrian

history (event, available, version,  
SP-05 13/10/1999 1 . 0 . 0  
SP-06 17/12/1999 3 . 0 . 0  
SP-07 17/03/2000 3 . 1 . 0  
Editorial 17/03/2000 3 . 1 . 1  
SP-08 23/06/2000 3 . 2 . 0  
SP-09 10/10/2000 3 . 3 . 0  
SP-10 21/12/2000 3 . 4 . 0  
SP-14 11/01/2002 3 . 5 . 0  
SP-20 27/06/2003 3 . 6 . 0

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

## TS 32.106-1 Telecommunication management; Configuration Management (CM); Part 1: Concept and requirements

R99 current version: 3.1.0  
freeze\_meeting: SP-07

WG (prime / other): S5 / - rapporteur: PIRT, Trevor MOTOROLA Ltd  
G: U: yes MCC: ZOICAS, Adrian

history (event, available, version,  
SP-05 13/10/1999 1 . 0 . 0  
SP-06 17/12/1999 1 . 1 . 0  
SP-07 17/03/2000 3 . 0 . 0  
Editorial 17/03/2000 3 . 0 . 1  
SP-08 23/06/2000 3 . 1 . 0 split into parts

[get it](#) remarks - general: SP-08: split into eight parts  
remarks - this release: SP-08: multipart split from parent 3.0.1  
[get it](#)  
[get it](#)  
[get it](#)

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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</b>								
R99	<i>current version:</i> 3.3.0	WG (prime / other):	S5 / -	<i>rapporteur:</i>	TSE, Edwin	Ericsson Incorporated			
	<i>freeze_meeting:</i> SP-07	G:	U: yes	<i>MCC:</i>	ZOICAS, Adrian				
	<i>history (event, available, version,</i>								
	SP-08: split into	23/06/2000	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			
	SP-10	21/12/2000	3 . 2 . 0	<a href="#">get it</a>					
	SP-11	05/04/2001	3 . 3 . 0	<a href="#">get it</a>					
<hr/>									
<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>								
R99	<i>current version:</i> <b>solution set</b>	3.3.0	WG (prime / other):	S5	/-	<i>rapporteur:</i>	TSE, Edwin		
	Ericsson Incorporated								
	<i>freeze_meeting:</i> SP-07		G:	U: yes	<i>MCC:</i>	ZOICAS, Adrian			
	<i>history (event, available, version,</i>								
	SP-08: split into	23/06/2000	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			
	SP-10	21/12/2000	3 . 2 . 0	<a href="#">get it</a>					
	SP-11	05/04/2001	3 . 3 . 0	<a href="#">get it</a>					
<hr/>									
<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>								
R99	<i>current version:</i> 3.2.1	WG (prime / other):	S5 / -	<i>rapporteur:</i>	POLLAKOWSKI, Olaf	SIEMENS AG			
	<i>freeze_meeting:</i> SP-07	G:	U: yes	<i>MCC:</i>	ZOICAS, Adrian				
	<i>history (event, available, version,</i>								
	SP-08: split into	23/06/2000	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			
	SP-14	11/01/2002	3 . 2 . 0	<a href="#">get it</a>					
	editorial after	18/09/2002	3 . 2 . 1	<a href="#">get it</a>					
	SP-17								
<hr/>									
<b>TS 32.106-5</b>	<b>Telecommunication management; Configuration Management (CM); Part 5: Basic Configuration Management Integration Reference Point (IRP); Information model (including</b>								
R99	<i>current version:</i> <b>Network Resource Model NRM)</b>	3.2.0	WG (prime / other):	S5	/-	<i>rapporteur:</i>	TOVINGER, Thomas		
	Telefon AB LM Ericsson								
	<i>freeze_meeting:</i> SP-10		G:	U: yes	<i>MCC:</i>	ZOICAS, Adrian			
	<i>history (event, available, version,</i>								
	draft	10/10/2000	1 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>	TSG#8: split into eight parts			
	SP-10	21/12/2000	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	05/04/2001	3 . 1 . 0	<a href="#">get it</a>					
	SP-12	03/07/2001	3 . 2 . 0	<a href="#">get it</a>					

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<b>TS 32.106-6</b>	<b>Telecommunication management; Configuration Management (CM); Part 6: Basic Configuration Management Integration Reference Point (IRP): Common Object Request Broker</b>								
R99	current version: Architecture (CORBA) solution set	3.3.0	WG (prime / other):	S5	/-	rapporteur:	ZHOU, Di	SIEMENS AG	
	freeze_meeting: SP-10		G:	U: yes	MCC:	ZOICAS, Adrian			
	history (event, available, version,								
	draft 31/10/2000	0 . 1 . 0		<a href="#">get it</a>	remarks - general:	TSG#8: split into eight parts			
	SP-10 14/12/2000	3 . 0 . 0		<a href="#">get it</a>	remarks - this release:	TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99)			
	SP-11 05/04/2001	3 . 1 . 0		<a href="#">get it</a>					
	SP-12 04/07/2001	3 . 2 . 0		<a href="#">get it</a>					
	SP-13 05/10/2001	3 . 3 . 0		<a href="#">get it</a>					
<hr/>									
<b>TS 32.106-7</b>	<b>Telecommunication management; Configuration Management (CM); Part 7: Basic Configuration Management Integration Reference Point (IRP): Common Management Information</b>								
R99	current version: Protocol (CMIP) solution set	3.3.0	WG (prime / other):	S5	/-	rapporteur:	POLLAKOWSKI, Olaf	SIEMENS AG	
	freeze_meeting: SP-10		G:	U: yes	MCC:	ZOICAS, Adrian			
	history (event, available, version,								
	draft 31/10/2000	0 . 1 . 0		<a href="#">get it</a>	remarks - general:	TSG#8: split into eight parts			
	SP-10 21/12/2000	3 . 0 . 0		<a href="#">get it</a>	remarks - this release:	TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99)			
	SP-11 05/04/2001	3 . 1 . 0		<a href="#">get it</a>					
	SP-12 03/07/2001	3 . 2 . 0		<a href="#">get it</a>					
	SP-14 11/01/2002	3 . 3 . 0		<a href="#">get it</a>					
<hr/>									
<b>TS 32.106-8</b>	<b>Telecommunication management; Configuration Management (CM); Part 8: Name convention for Managed Objects</b>								
R99	current version: 3.2.0		WG (prime / other):	S5	/-	rapporteur:	TOVINGER, Thomas	Telefon AB LM Ericsson	
	freeze_meeting: SP-07		G:	U: yes	MCC:	ZOICAS, Adrian			
	history (event, available, version,								
	SP-08: split into 23/06/2000	3 . 1 . 0		<a href="#">get it</a>	remarks - general:	TSG#8: split into eight parts			
	parts				remarks - this release:	TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0			
	SP-12 03/07/2001	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:* U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*  
SP-05 13/10/1999 1 . 0 . 0 [get it](#) *remarks - general:* TSG#8: split into 4 parts  
SP-06 17/12/1999 1 . 1 . 0 [get it](#) *remarks - this release:* TSG#8: multipart split from parent 3.0.1  
SP-07 17/03/2000 3 . 0 . 0 [get it](#)  
Editorial 17/03/2000 3 . 0 . 1 [get it](#)  
SP-08: split into 23/06/2000 3 . 1 . 0 [get it](#)  
parts  
SP-09 10/10/2000 3 . 2 . 0 [get it](#)

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## TS 32.111-2 Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service

R99 *current version:* 3.3.0 *WG (prime / other):* S5 / - *rapporteur:* SCHMIDT, Joerg MOTOROLA A/S  
*freeze\_meeting:* SP-08 *G:* U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*  
SP-05 13/10/1999 1 . 0 . 0 [get it](#) *remarks - general:* TSG#8: split into 4 parts  
SP-06 17/12/1999 1 . 1 . 0 [get it](#) *remarks - this release:*  
SP-07 17/03/2000 3 . 0 . 0 [get it](#)  
Editorial 17/03/2000 3 . 0 . 1 [get it](#)  
SP-08: split into 23/06/2000 3 . 1 . 0 [get it](#)  
parts  
editorial 06/09/2000 3 . 1 . 1 [get it](#)  
SP-09 10/10/2000 3 . 2 . 0 [get it](#)  
SP-10 20/12/2000 3 . 3 . 0 [get it](#)

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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**

R99 *current version:* 3.6.0 *WG (prime / other):* S5 / - *rapporteur:* TSE, Edwin Ericsson Incorporated  
*freeze\_meeting:* SP-08 *G:* U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*  
SP-05 13/10/1999 1 . 0 . 0  
SP-06 17/12/1999 1 . 1 . 0  
SP-07 17/03/2000 3 . 0 . 0  
Editorial 17/03/2000 3 . 0 . 1  
SP-08: split into 23/06/2000 3 . 1 . 0  
parts  
SP-09 10/10/2000 3 . 2 . 0  
SP-10 20/12/2000 3 . 3 . 0  
SP-11 05/04/2001 3 . 4 . 0  
SP-12 04/07/2001 3 . 5 . 0  
SP-14 11/01/2002 3 . 6 . 0

[get it](#) *remarks - general:* TSG#8: split into 4 parts  
[get it](#) *remarks - this release:* TSG#8: multipart split from parent 3.0.1  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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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**

R99 *current version:* 3.2.0 *WG (prime / other):* S5 / - *rapporteur:* POLLAKOWSKI, Olaf SIEMENS AG  
*freeze\_meeting:* SP-08 *G:* U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*  
SP-05 13/10/1999 1 . 0 . 0  
SP-06 17/12/1999 1 . 1 . 0  
SP-07 17/03/2000 3 . 0 . 0  
Editorial 17/03/2000 3 . 0 . 1  
SP-08: split into 23/06/2000 3 . 1 . 0  
parts  
editorial 06/09/2000 3 . 1 . 1  
SP-14 11/01/2002 3 . 2 . 0

[get it](#) *remarks - general:* TSG#8: split into 4 parts  
[get it](#) *remarks - this release:* TSG#8: multipart split from parent 3.0.1  
[get it](#)  
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## TS 33.102 3G security; Security architecture

R99 current version: 3.13.0

freeze\_meeting: SP-07

history (event, available, version,

Table of Contents and Scope	04/03/1999	0	0	1
First complete	26/03/1999	1	0	0
WG approval	26/03/1999	2	0	0
SP-03	23/04/1999	3	0	0
SP-04	23/06/1999	3	1	0
SP-05	13/10/1999	3	2	0
SP-06	17/12/1999	3	3	0
SP-07	15/03/2000	3	4	0
SP-08	23/06/2000	3	5	0
SP-09	11/10/2000	3	6	0
SP-10	22/12/2000	3	7	0
SP-11	04/04/2001	3	8	0
SP-12	04/07/2001	3	9	0
SP-14	07/01/2002	3	10	0
SP-15	26/03/2002	3	11	0
SP-16	19/06/2002	3	12	0
SP-18	18/12/2002	3	13	0

WG (prime / other): S3 / - rapporteur: BLOMMAERT, Marc SIEMENS ATEA NV  
G: U: yes MCC: POPE, Maurice

[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

history (event, available, version,

SP-04	23/06/1999	1	0	0
SP-05	13/10/1999	3	0	0
SP-06	17/12/1999	3	1	0
SP-07	15/03/2000	3	2	0
SP-08	23/06/2000	3	3	0
SP-09	11/10/2000	3	4	0
SP-11	30/03/2001	3	5	0
SP-12	04/07/2001	3	6	0
SP-13	03/10/2001	3	7	0

WG (prime / other): S3 / - rapporteur: BLANCHARD, Colin BT Group Plc  
G: U: yes MCC: POPE, Maurice

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

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

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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>	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version,</i>	<i>U: yes</i>				
	SP-04 23/06/1999 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-05 13/10/1999 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-06 17/12/1999 3 . 2 . 0	<a href="#">get it</a>				
	SP-07 15/03/2000 3 . 3 . 0	<a href="#">get it</a>				
	SP-08 23/06/2000 3 . 4 . 0	<a href="#">get it</a>				
	SP-09 11/10/2000 3 . 5 . 0	<a href="#">get it</a>				
	SP-10 22/12/2000 3 . 6 . 0	<a href="#">get it</a>				
	SP-11 30/03/2001 3 . 7 . 0	<a href="#">get it</a>				
	SP-12 04/07/2001 3 . 8 . 0	<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>	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version,</i>	<i>U: yes</i>				
	SP-04 23/06/1999 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-06 17/12/1999 3 . 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>					
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>	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version,</i>	<i>U: yes</i>				
	SP-04 23/06/1999 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-10 22/12/2000 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-11 30/03/2001 3 . 2 . 0	<a href="#">get it</a>				
	SP-13 03/10/2001 3 . 3 . 0	<a href="#">get it</a>				
	SP-14 07/01/2002 3 . 4 . 0	<a href="#">get it</a>				
	SP-15 26/03/2002 3 . 5 . 0	<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>freeze_meeting:</i> SP-03								
	<i>history (event, available, version,</i>								
	Table of Contents	04/03/1999	0	.	0	.	1		
	and Scope								
	First complete	26/03/1999	1	.	0	.	0		
	WG approval	26/03/1999	2	.	0	.	0		
	SP-03	23/04/1999	3	.	0	.	0		
								<a href="#">get it</a>	<i>remarks - general:</i>
									<i>remarks - this release:</i> .
								<a href="#">get it</a>	
								<a href="#">get it</a>	
								<a href="#">get it</a>	
<b>TR 33.901</b>	<b>Criteria for cryptographic Algorithm design process</b>								
R99	<i>current version:</i> 3.0.0								
	<i>freeze_meeting:</i> SP-04								
	<i>history (event, available, version,</i>								
	SP-03	23/04/1999	0	.	0	.	0		
	SP-04	23/06/1999	3	.	0	.	0		
								<a href="#">get it</a>	<i>remarks - general:</i>
								<a href="#">get it</a>	<i>remarks - this release:</i> .
<b>TR 33.902</b>	<b>Formal Analysis of the 3G Authentication Protocol</b>								
R99	<i>current version:</i> 3.1.0								
	<i>freeze_meeting:</i> SP-05								
	<i>history (event, available, version,</i>								
	SP-05	13/10/1999	3	.	0	.	0		
	SP-06	17/12/1999	3	.	1	.	0		
								<a href="#">get it</a>	<i>remarks - general:</i>
								<a href="#">get it</a>	<i>remarks - this release:</i> .
<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>freeze_meeting:</i> SP-07								
	<i>history (event, available, version,</i>								
	SP-07	17/03/2000	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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R99

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## TS 34.108 Common test environments for User Equipment (UE) conformance testing

R99 current version: 3.12.0

freeze\_meeting: SP-08

WG (prime / other): T1 / - rapporteur: CHALABI, Nuhman ANRITSU LTD  
G: U: yes MCC: SULTAN, Alain

history (event, available, version,

Start of work		0	.	0	.	1			remarks - general:
TP-07	15/03/2000	1	.	0	.	0	TP-000032		remarks - this release: TSG#8:aprvl is controversial
editorial tidy up	23/03/2000	1	.	0	.	1		<a href="#">get it</a>	
TP-08		2	.	0	.	0		<a href="#">get it</a>	
TP-08	23/06/2000	3	.	0	.	0		<a href="#">get it</a>	
Editorial	23/06/2000	3	.	0	.	1		<a href="#">get it</a>	
TP-09	06/10/2000	3	.	1	.	0		<a href="#">get it</a>	
TP-10	09/01/2001	3	.	2	.	0		<a href="#">get it</a>	
TP-11	28/03/2001	3	.	3	.	0		<a href="#">get it</a>	
TP-12	27/06/2001	3	.	4	.	0		<a href="#">get it</a>	
TP-13	08/10/2001	3	.	5	.	0		<a href="#">get it</a>	
TP-14	09/01/2002	3	.	6	.	0		<a href="#">get it</a>	
TP-15	20/03/2002	3	.	7	.	0		<a href="#">get it</a>	
edito post	TP-15	26/03/2002	3	.	7	.	1	<a href="#">get it</a>	
TP-16	17/06/2002	3	.	8	.	0		<a href="#">get it</a>	
TP-17	10/09/2002	3	.	9	.	0		<a href="#">get it</a>	
TP-18	18/12/2002	3	.	10	.	0		<a href="#">get it</a>	
TP-19	24/03/2003	3	.	11	.	0		<a href="#">get it</a>	
TP-20	18/06/2003	3	.	12	.	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,*

RP-03	23/04/1999	0	.	0	.	0
RP-04	18/06/1999	0	.	2	.	0
RP-05	08/10/1999	1	.	0	.	0
RP-06	17/12/1999	1	.	0	.	3
next version	03/02/2000	1	.	1	.	0
RP-07	15/03/2000	1	.	2	.	0
RP-08	23/06/2000	3	.	0	.	0
RP-09	05/10/2000	3	.	1	.	0
RP-10	20/12/2000	3	.	2	.	0
RP-11	27/03/2001	3	.	3	.	0
RP-12	19/06/2001	3	.	4	.	0
RP-15	19/03/2002	3	.	5	.	0
RP-16	17/06/2002	3	.	6	.	0
RP-17	18/09/2002	3	.	7	.	0
RP-18	13/01/2003	3	.	8	.	0
RP-19	25/03/2003	3	.	9	.	0

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*remarks - general:* TSG#7: Will be transferred to RAN2 after approval. TSG#8:txfer is delayed.  
*remarks - this release:* TSG#9: Stable, so txfered from T1 to R2.

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## TS 34.121 Terminal Conformance Specification, Radio Transmission and Reception (FDD)

R99 *current version:* 3.13.0 *WG (prime / other):* T1 / - *rapporteur:* HIGUCHI, Kenji  
*freeze\_meeting:* SP-07 G: U: yes *MCC:* SULTAN, Alain ADVANTEST Corporation

*history (event, available, version,*  
TP-03 23/04/1999 0 . 0 . 0  
TP-04 18/06/1999 1 . 0 . 1  
TP-05 08/10/1999 1 . 2 . 0  
TP-06 17/12/1999 1 . 5 . 0  
TP-07 15/03/2000 2 . 0 . 0  
TP-07 15/03/2000 3 . 0 . 0  
Editorial 15/03/2000 3 . 0 . 1  
TP-08 23/06/2000 3 . 1 . 0  
TP-09 05/10/2000 3 . 2 . 0  
TP-10 21/12/2000 3 . 3 . 0  
TP-11 28/03/2001 3 . 4 . 0  
TP-12 18/06/2001 3 . 5 . 0  
TP-13 03/10/2001 3 . 6 . 0  
TP-14 09/01/2002 3 . 7 . 0  
TP-15 20/03/2002 3 . 8 . 0  
TP-16 17/06/2002 3 . 9 . 0  
TP-17 05/09/2002 3 . 10 . 0  
TP-18 18/12/2002 3 . 11 . 0  
TP-19 24/03/2003 3 . 12 . 0  
TP-20 17/06/2003 3 . 13 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
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## TS 34.122 Terminal Conformance Specification, Radio Transmission and Reception (TDD)

R99 *current version:* 3.11.0 *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,*

TP-04	18/06/1999	0	.	0	.	0
TP-05	08/10/1999	0	.	1	.	0
TP-06	17/12/1999	1	.	0	.	0
TP-07	15/03/2000	1	.	2	.	0
Editorial	15/03/2000	1	.	2	.	1
TP-08		2	.	0	.	0
TP-08	23/06/2000	3	.	0	.	0
edito	28/08/2000	3	.	0	.	1
TP-09	05/10/2000	3	.	1	.	0
TP-10	21/12/2000	3	.	2	.	0
TP-11	28/03/2001	3	.	3	.	0
TP-12	18/06/2001	3	.	4	.	0
TP-13	03/10/2001	3	.	5	.	0
TP-14	09/01/2002	3	.	6	.	0
TP-15	21/03/2002	3	.	7	.	0
TP-16	17/06/2002	3	.	8	.	0
TP-17	05/09/2002	3	.	9	.	0
TP-18	18/12/2002	3	.	10	.	0
TP-19	24/03/2003	3	.	11	.	0

[get it](#)

*remarks - general:*

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*remarks - this release:*

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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:* SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* SP-08 *G:* U: yes *MCC:* SULTAN, Alain  
*history (event, available, version,*  
TP-03 23/04/1999 0 . 0 . 0 [get it](#) *remarks - general:*  
TP-05 08/10/1999 0 . 0 . 4 [get it](#) *remarks - this release:*  
TP-06 17/12/1999 1 . 0 . 0 [get it](#)  
manicure 23/03/2000 1 . 0 . 1 [get it](#)  
TP-08 2 . 0 . 0  
TP-08 23/06/2000 3 . 0 . 0 [get it](#)  
TP-09 10/10/2000 3 . 1 . 0 [get it](#)  
TP-10 09/01/2001 3 . 2 . 0 [get it](#)  
TP-11 28/03/2001 3 . 3 . 0 [get it](#)  
TP-12 28/06/2001 3 . 4 . 0 [get it](#)  
TP-13 03/10/2001 3 . 5 . 0 [get it](#)

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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,*  
TP-03 23/04/1999 0 . 0 . 1 [get it](#) *remarks - general:*  
TP-05 08/10/1999 0 . 0 . 6 [get it](#) *remarks - this release:* 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 17/12/1999 1 . 0 . 0 [get it](#)  
TP-07 15/03/2000 1 . 0 . 1 [get it](#)  
TP-09 22/09/2000 2 . 0 . 0 [get it](#)  
TP-09 06/10/2000 3 . 1 . 0 [get it](#)  
TP-10 09/01/2001 3 . 2 . 0 [get it](#)  
TP-11 28/03/2001 3 . 3 . 0 [get it](#)  
TP-12 28/06/2001 3 . 4 . 0 [get it](#)  
TP-13 04/10/2001 3 . 5 . 0 [get it](#)

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## TS 34.123-3 User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSS)

R99	<i>current version:</i> 3.2.1	WG (prime / other): 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,</i>				
TP-03	23/04/1999	0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
Start work if STF		0 . 0 . 1		<i>remarks - this release:</i>
fund +T2 input				
avail.				
TP-11	28/03/2001	1 . 0 . 0	<a href="#">get it</a>	
TP-12	28/06/2001	1 . 0 . 3	<a href="#">get it</a>	TP-010124
draft	11/10/2001	1 . 0 . 5	<a href="#">get it</a>	
TP-18	16/12/2002	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	18/12/2002	3 . 0 . 0	<a href="#">get it</a>	Availability delayed pending availability of .mp file.
TP-19	09/04/2003	3 . 1 . 0	<a href="#">get it</a>	
TP-20	04/07/2003	3 . 2 . 0	<a href="#">get it</a>	late availability due to delay in checking by WG members
TP-20	15/07/2003	3 . 2 . 1	<a href="#">get it</a>	Fixes bug in Telelogic tool output.

## TS 34.124 Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment

R99	<i>current version:</i> 3.4.0	WG (prime / other): R4 / -	<i>rapporteur:</i> SOERENSEN, Ole	NOKIA Corporation
	<i>freeze_meeting:</i> SP-07	G: U: yes	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar	
<i>history (event, available, version,</i>				
TP-03	23/04/1999	0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i> T1->R4@TSG#10
draft	15/07/1999	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
draft	15/08/1999	1 . 0 . 1	<a href="#">get it</a>	
draft	15/09/1999	1 . 1 . 0	<a href="#">get it</a>	
TP-05	08/10/1999	1 . 2 . 0	<a href="#">get it</a>	
TP-06	17/12/1999	1 . 2 . 2	<a href="#">get it</a>	
draft	15/02/2000	1 . 3 . 0	<a href="#">get it</a>	
SWG T1 EMC at	28/02/2000	2 . 0 . 0	<a href="#">get it</a>	
meeting-08				
TP-07		2 . 0 . 1		SP-000034
TP-07	15/03/2000	3 . 0 . 0	<a href="#">get it</a>	
TP-09	05/10/2000	3 . 1 . 0	<a href="#">get it</a>	
RP-10	09/01/2001	3 . 2 . 0	<a href="#">get it</a>	
RP-11	05/04/2001	3 . 3 . 0	<a href="#">get it</a>	
RP-19	04/04/2003	3 . 4 . 0	<a href="#">get it</a>	

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[http://www.3gpp.org/ftp/Specs/archive/34\\_series](http://www.3gpp.org/ftp/Specs/archive/34_series)

<b>TR 34.901</b>	<b>Test Time Optimisation based on statistical approaches; Statistical theory applied and evaluation of statistical significance</b>								
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,								
	TP-20 17/06/2003 2 . 0 . 0						<a href="#">get it</a>	remarks - general:	2002-09-16: 34.801 -> 34.901.
	TP-20 17/06/2003 2 . 0 . 1						<a href="#">get it</a>	remarks - this release:	2002-09-26: Anticipate approval at TP-18.
									claims to be v2.0.0
	TP-20 18/06/2003 3 . 0 . 0						<a href="#">get it</a>		
<b>TR 34.907</b>	<b>Report on electrical safety requirements and regulations</b>								
R99	current version: 3.0.0	WG (prime / other):	T2 / -	rapporteur:	IIMORI, Eiji	Toshiba Corporation, Digital Media Network			
	freeze_meeting: SP-05	G:	U: yes	MCC:	RODERMUND, Friedhelm				
	history (event, available, version,								
	TP-03 23/04/1999 1 . 0 . 0						<a href="#">get it</a>	remarks - general:	
	TP-05 08/10/1999 3 . 0 . 0						<a href="#">get it</a>	remarks - this release:	.
<b>TR 34.925</b>	<b>Specific Absorption Rate (SAR) requirements and regulations in different regions</b>								
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,								
	TP-03 23/04/1999 1 . 0 . 0						<a href="#">get it</a>	remarks - general:	
	TP-04 18/06/1999 3 . 0 . 0						<a href="#">get it</a>	remarks - this release:	.

R99 35 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/35\\_series](http://www.3gpp.org/ftp/Specs/archive/35_series)

<b>TS 35.201</b>	<b>Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications</b>								
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,								
	SP-07 17/03/2000 3 . 1 . 0						<a href="#">get it</a>	remarks - general:	ex SAGE; supplied by ETSI under licence
								remarks - this release:	
	Formatting 12/07/2001 3 . 1 . 1						<a href="#">get it</a>		Sage makes source file available.
	IPR, licence text 20/08/2001 3 . 1 . 2						<a href="#">get it</a>		
	SP-14 07/01/2002 3 . 2 . 0						<a href="#">get it</a>		

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<b>TS 35.202</b>	<b>Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification</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> U: yes	<i>MCC:</i> POPE, Maurice					
	<i>history (event, available, version,</i>										
	SP-07 17/03/2000	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 12/07/2001	3	.	1	.	1	Sage makes source file available.	<a href="#">get it</a>	<i>remarks - this release:</i>		
	IPR, licence text 20/08/2001	3	.	1	.	2		<a href="#">get it</a>			
<hr/>											
<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> U: yes	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version,</i>										
	SP-07 17/03/2000	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 16/07/2001	3	.	1	.	1	Sage makes source file available.	<a href="#">get it</a>	<i>remarks - this release:</i>		
	IPR, licence text 20/08/2001	3	.	1	.	2		<a href="#">get it</a>			
<hr/>											
<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> U: yes	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version,</i>										
	SP-07 17/03/2000	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 12/07/2001	3	.	1	.	1	Sage makes source file available.	<a href="#">get it</a>	<i>remarks - this release:</i>		
	IPR, licence text 20/08/2001	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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[http://www.3gpp.org/ftp/Specs/archive/21\\_series](http://www.3gpp.org/ftp/Specs/archive/21_series)

## TR 21.01U Requirements for the UMTS Terrestrial Radio Access (UTRA) system

UMTS *current version:* 3.0.1 *WG (prime / other):* GP / - *rapporteur:* MOULSLEY, Tim Philips Research Laboratories  
*freeze\_meeting:* G: U: *MCC:* USAI, Paolino  
*history (event, available, version,*  
draft 1 . 0 . 0 *remarks - general:* Produced by ETSI SMG2.  
smg-22 13/06/1997 3 . 0 . 0 *remarks - this release:*  
ETSI publication 28/11/1997 3 . 0 . 1 [get it](#)  
[get it](#)

UMTS 30 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/30\\_series](http://www.3gpp.org/ftp/Specs/archive/30_series)

## 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 CIT  
*freeze\_meeting:* G: U: *MCC:* USAI, Paolino  
*history (event, available, version,*  
TC change control 13/06/1997 3 . 0 . 0 [get it](#) *remarks - general:*  
smg-23 17/10/1997 3 . 1 . 0 [get it](#) *remarks - this release:*  
smg-25 20/03/1998 3 . 2 . 0 [get it](#)

## 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,*  
First complete 01/12/1997 1 . 0 . 0 [get it](#) *remarks - general:*  
smg-24 15/12/1997 3 . 0 . 0 [get it](#) *remarks - this release:*

## R98

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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<b>TS 01.01</b>	<b>Technical Specifications and Technical Reports for a GERAN-based 3GPP system</b>								
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,								
	SP-20 25/06/2003 7 . 0 . 0								<a href="#">get it</a> remarks - general: post-SP-19: title changed from "GSM Release 1999 Specifications" to cater for remarks - this release: . backwards extension to earlier releases.
<hr/>									
<b>TR 01.04</b>	<b>Abbreviations and acronyms</b>								
R98	current version: 7.0.0	WG (prime / other):	GP / -	rapporteur:	CLAYTON, Michael	EMCOM Ltd			
	freeze_meeting: smg-29	G: yes U:		MCC:	USAI, Paolino				
	history (event, available, version,								
	smg-29 25/06/1999 7 . 0 . 0								<a href="#">get it</a> remarks - general: remarks - this release:
<hr/>									
<b>TR 01.31</b>	<b>Fraud Information Gathering System (FIGS); Service requirements; Stage 0</b>								
R98	current version: 7.0.1	WG (prime / other):	S3 / -	rapporteur:	WRIGHT, Tim	Indicate persons who left Company and wait for new One			
	freeze_meeting: smg-29	G: yes U:		MCC:	POPE, Maurice				
	history (event, available, version,								
	smg-25 20/03/1998 7 . 0 . 0								
	smg-26 26/06/1998 7 . 0 . 1								<a href="#">get it</a> remarks - general: <a href="#">get it</a> remarks - this release:
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<b>TR 01.33</b>	<b>Lawful Interception requirements for GSM</b>								
R98	current version: 7.0.0	WG (prime / other):	S3 / -	rapporteur:	MCKIBBEN, Bernie	MOTOROLA GmbH			
	freeze_meeting: smg-29	G: yes U:		MCC:	POPE, Maurice				
	history (event, available, version,								
	smg-25 20/03/1998 7 . 0 . 0								<a href="#">get it</a> remarks - general: remarks - this release: #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	current version: 7.0.0	WG (prime / other):	S1 / -	rapporteur:	MESSIET, Samira	ALCATEL S.A.			
	freeze_meeting: smg-29	G: yes U:		MCC:	CLAYTON, Michael				
	history (event, available, version,								
	smg-28 1 . 0 . 0								remarks - general:
	smg-29 25/06/1999 7 . 0 . 0								<a href="#">get it</a> remarks - this release:

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**TS 01.61 General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements**  
R98 *current version: 7.0.0* WG (prime / other): S3 / - *rapporteur:* WALKER, Michael VODAFONE Group Plc  
*freeze\_meeting:* smg-29 G: yes U: MCC: POPE, Maurice  
*history (event, available, version,*  
upgrade to R98 04/10/2001 7 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release: .*

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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,*  
smg-28 12/02/1999 7 . 0 . 0 [get it](#) *remarks - general:*  
smg-29 25/06/1999 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,*  
smg-28 12/02/1999 7 . 0 . 0 [get it](#) *remarks - general:*  
smg-29 25/06/1999 7 . 0 . 1 [get it](#) *remarks - this release: #28: 7.0.0*  
ETSI publication 13/12/1999 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:* CONRAD, Alan T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* smg-29 G: yes U: MCC: CLAYTON, Michael  
*history (event, available, version,*  
smg-29 25/06/1999 7 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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[http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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## TS 02.04 General on Supplementary Services

R98 *current version:* 7.1.2  
*freeze\_meeting:* smg-29  
*history (event, available, version,*  
smg-25 20/03/1998 7 . 0 . 0  
smg-28 12/02/1999 7 . 1 . 0  
smg-29 25/06/1999 7 . 1 . 1  
ETSI publication 28/12/1999 7 . 1 . 2

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

Research In Motion Limited

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

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## TS 02.06 Types of Mobile Stations (MS)

R98 *current version:* 7.0.1  
*freeze\_meeting:* smg-29  
*history (event, available, version,*  
smg-29 25/06/1999 7 . 0 . 0  
ETSI publication 29/12/1999 7 . 0 . 1

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

VODAFONE Group Plc

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

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## TS 02.07 Mobile Station (MS) Features

R98 *current version:* 7.1.0  
*freeze\_meeting:* smg-29  
*history (event, available, version,*  
smg-27 16/10/1998 7 . 0 . 0  
ETSI publication 03/08/1999 7 . 0 . 1  
SP-07 15/03/2000 7 . 1 . 0

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

VODAFONE Group Plc

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

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## TS 02.09 Security aspects

R98 *current version:* 7.1.1  
*freeze\_meeting:* smg-29  
*history (event, available, version,*  
smg-29 25/06/1999 7 . 0 . 0  
ETSI publication 12/01/2000 7 . 0 . 1  
smg-31 16/02/2000 7 . 1 . 0  
ETSI publication 29/08/2000 7 . 1 . 1

*WG (prime / other):* S3 / S1 / *rapporteur:* CHRISTOFFERSSON, Per  
NP  
*G: yes U:* *MCC:* POPE, Maurice

Telia Promotor AB

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

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<b>TS 02.11</b>	<b>Service Accessibility</b>					
R98	<i>current version: 7.1.0</i>	WG (prime / other):	S1 / -	rapporteur:	EVEN, Anne	France Telecom
	<i>freeze_meeting: smg-29</i>	G: yes U:		MCC:	CLAYTON, Michael	
	<i>history (event, available, version,</i>					
	smg-27 16/10/1999 7 . 0 . 0			<a href="#">get it</a>	remarks - general:	
	ETSI publication 03/08/1999 7 . 0 . 1			<a href="#">get it</a>	remarks - this release:	
	SP-11 02/04/2001 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: 7.2.0</i>	WG (prime / other):	S1 / -	rapporteur:	EVEN, Anne	France Telecom
	<i>freeze_meeting: smg-29</i>	G: yes U:		MCC:	CLAYTON, Michael	
	<i>history (event, available, version,</i>					
	smg-29 25/06/1999 7 . 0 . 0			<a href="#">get it</a>	remarks - general:	
	smg-30 11/11/1999 7 . 1 . 0			<a href="#">get it</a>	remarks - this release:	
	SP-08 23/06/2000 7 . 2 . 0			<a href="#">get it</a>		
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<b>TS 02.17</b>	<b>Subscriber Identity Module (SIM); Functional characteristics</b>					
R98	<i>current version: 7.1.1</i>	WG (prime / other):	T3 / S1	rapporteur:	HOOKE, Philip	ORANGE PCS LTD
	<i>freeze_meeting: smg-29</i>	G: yes U:		MCC:	DIETZE, Claus	
	<i>history (event, available, version,</i>					
	smg-26 26/06/1998 7 . 0 . 0			<a href="#">get it</a>	remarks - general:	
	smg-27 16/10/1998 7 . 1 . 0			<a href="#">get it</a>	remarks - this release:	
	smg-29 25/06/1999 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: 7.1.0</i>	WG (prime / other):	T3 / -	rapporteur:	DIETRICH, Christian	SchlumbergerSema - Schlumberger Systèmes S.A
	<i>freeze_meeting: smg-29</i>	G: yes U:		MCC:	DIETZE, Claus	
	<i>history (event, available, version,</i>					
	smg-27 16/10/1998 7 . 0 . 0			<a href="#">get it</a>	remarks - general: SMG9->T3@#31	
	smg-29 25/06/1999 7 . 1 . 0			<a href="#">get it</a>	remarks - this release:	
<hr/>						
<b>TS 02.22</b>	<b>Stage 1 for personalisation of GSM ME</b>					
R98	<i>current version: 7.0.0</i>	WG (prime / other):	S1 /	rapporteur:	DURAND, Romain	ALCATEL S.A.
	<i>freeze_meeting: smg-29</i>	G: yes U:		MCC:	CLAYTON, Michael	
	<i>history (event, available, version,</i>					
	smg-29 25/06/1999 7 . 0 . 0			<a href="#">get it</a>	remarks - general:	
					remarks - this release:	

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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> DWYER, Paul		NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI publication 12/01/2000 7 . 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>				
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	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-28 12/02/1999 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-29 25/06/1999 7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	editorial 19/07/2002 7 . 1 . 1	<a href="#">get it</a>			
<hr/>					
<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	<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice		
	<i>history (event, available, version,</i>				
	smg-25 20/03/1998 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-26 26/06/1998 7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-29 25/06/1999 7 . 1 . 1	<a href="#">get it</a>			
<hr/>					
<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	<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice		
	<i>history (event, available, version,</i>				
	draft 26/06/1996 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	draft 01/03/1998 2 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-25 20/03/1998 7 . 0 . 0	<a href="#">get it</a>			
	smg-26 26/06/1998 7 . 1 . 0	<a href="#">get it</a>			
	smg-29 25/06/1999 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	<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice		
	<i>history (event, available, version,</i>				
	smg-25 20/03/1998 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-27 16/10/1998 7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-28 12/02/1999 7 . 2 . 0	<a href="#">get it</a>			
	editorial 7 . 2 . 1				
	smg-29 25/06/1999 7 . 3 . 0	<a href="#">get it</a>			
<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,</i>				
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</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> DWYER, Paul	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-27 16/10/1998 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	edito 28/07/1999 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>		
<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> ...,	BUNDESMINISTERIUM FUR WIRTSCHAFT	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i>		
<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> GILES, Les	Union Internationale des Chemins de Fer	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-29 25/06/1999 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,</i>					
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	smg-28 7 . 1 . 0				<i>remarks - this release:</i>	
	SP-05 7 . 2 . 0					
	SP-08 07/09/2000 7 . 3 . 0					
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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> DIETZE, Claus			
	<i>history (event, available, version,</i>					
	smg-29 25/06/1999 7 . 0 . 0				<i>remarks - general:</i> SMG9->T3@#31	
		<a href="#">get it</a>			<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,</i>					
	smg-25 20/03/1998 7 . 0 . 0				<i>remarks - general:</i> SMG11->S4 at SMG#30	
	ETSI publication 16/08/1999 7 . 0 . 1				<i>remarks - this release:</i>	
		<a href="#">get it</a>				
		<a href="#">get it</a>				
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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> GALLIGO, Michel	ALCATEL S.A.		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
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	smg-28 12/02/1999 7 . 1 . 0				<i>remarks - this release:</i> #27: 7.0.0 #28: 7.1.0 #29: 7.2.0	
	ETSI PE 26/05/1999 7 . 1 . 1					
	smg-29 25/06/1999 7 . 2 . 0					
	ETSI publication 05/09/2000 7 . 2 . 1					
		<a href="#">get it</a>				
		<a href="#">get it</a>				
		<a href="#">get it</a>				
		<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	WG (prime / other):	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,</i>								
	smg-25 20/03/1998	7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-29 25/06/1999	7 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #25: 7.0.0 #29: 7.1.0				
<b>TS 02.60</b>	<b>General Packet Radio Service Stage 1 Description</b>								
R98	<i>current version:</i> 7.5.0	WG (prime / other):	S1 / -	<i>rapporteur:</i>	CARPENTER, Paul	Research In Motion Limited			
	<i>freeze_meeting:</i> smg-29	G: yes U:		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version,</i>								
	smg-25 20/03/1998	7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-28 12/02/1999	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 25/06/1999	7 . 2 . 0		<a href="#">get it</a>					
	SP-05 08/10/1999	7 . 3 . 0		<a href="#">get it</a>					
	SP-07 15/03/2000	7 . 4 . 0		<a href="#">get it</a>					
	SP-08 23/06/2000	7 . 5 . 0		<a href="#">get it</a>					
<b>TS 02.63</b>	<b>Packet Data on Signalling channels Service (PDS); Stage 1</b>								
R98	<i>current version:</i> 7.0.0	WG (prime / other):	S1 / -	<i>rapporteur:</i>	CONRAD, Alan	T-MOBILE DEUTSCHLAND			
	<i>freeze_meeting:</i> smg-29	G: yes U:		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version,</i>								
	smg-29 25/06/1999	7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>				
<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	WG (prime / other):	S1 / -	<i>rapporteur:</i>	VACANT,				
	<i>freeze_meeting:</i> smg-29	G: yes U:		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version,</i>								
	smg-25 20/03/1998	7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-07 15/03/2000	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				
<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	WG (prime / other):	S1 / -	<i>rapporteur:</i>	GILES, Les	Union Internationale des Chemins de Fer			
	<i>freeze_meeting:</i> smg-29	G: yes U:		<i>MCC:</i>	CLAYTON, Michael				
	<i>history (event, available, version,</i>								
	smg-29 25/06/1999	7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	ETSI publication 12/01/2000	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	current version: 7.0.2	WG (prime / other):	S1 / -	rapporteur:	GILES, Les	Union Internationale des Chemins de Fer
	freeze_meeting: smg-29	G: yes U:		MCC:	CLAYTON, Michael	
	history (event, available, version,					
	smg-29 25/06/1999			<a href="#">get it</a>	remarks - general:	
	edito 25/06/1999			<a href="#">get it</a>	remarks - this release:	
	publish EN 300 24/08/2000			<a href="#">get it</a>		
	925					
<b>TS 02.69</b>	<b>Voice Broadcast Service (VBS); Stage 1</b>					
R98	current version: 7.0.2	WG (prime / other):	S1 / -	rapporteur:	GILES, Les	Union Internationale des Chemins de Fer
	freeze_meeting: smg-29	G: yes U:		MCC:	CLAYTON, Michael	
	history (event, available, version,					
	smg-28 12/02/1999			<a href="#">get it</a>	remarks - general:	
	smg-29 25/06/1999			<a href="#">get it</a>	remarks - this release: #28: 7.0.0	
	ETSI publication 29/12/1999			<a href="#">get it</a>		
<b>TS 02.71</b>	<b>Location Services (LCS); Stage 1</b>					
R98	current version: 7.3.0	WG (prime / other):	S1 / -	rapporteur:	GARAPATY, Sonia	Nortel Networks (USA)
	freeze_meeting: smg-29	G: yes U:		MCC:	CLAYTON, Michael	
	history (event, available, version,					
	smg-28 12/02/1999			<a href="#">get it</a>	remarks - general:	
	smg-29 25/06/1999			<a href="#">get it</a>	remarks - this release:	
	SP-05 08/10/1999			<a href="#">get it</a>		
	SP-06 15/12/1999			<a href="#">get it</a>		
	SP-11 06/04/2001			<a href="#">get it</a>		
<b>TS 02.72</b>	<b>Call Deflection Service description; Stage 1</b>					
R98	current version: 7.2.1	WG (prime / other):	S1 / -	rapporteur:	HABERMANN, Steffen	T-MOBILE DEUTSCHLAND
	freeze_meeting: smg-29	G: yes U:		MCC:	CLAYTON, Michael	
	history (event, available, version,					
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	smg-28 12/02/1999			<a href="#">get it</a>		
	smg-29 25/06/1999			<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,</i>				
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	SP-10 12/01/2001 7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-14 14/01/2002 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> FREY, Sophie	Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-29 25/06/1999 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 02.81</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,</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> EVEN, Anne	France Telecom	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
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	smg-29 25/06/1999 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #28: 7.0.0		
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<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> JORGENSEN, Niels H.	TDC TELE DANMARK A/S	
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	<i>history (event, available, version,</i>				
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<b>TS 02.84</b>	<b>MultiParty (MPTY) Supplementary Services; Stage 1</b>				
R98	current version: 7.0.0	WG (prime / other):	S1 / -	rapporteur:	POSTMANN, Erwin
	freeze_meeting: smg-29	G: yes U:		MCC:	CLAYTON, Michael
	history (event, available, version,				SIEMENS AG
	smg-29 25/06/1999 7 . 0 . 0				
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<b>TS 02.85</b>	<b>Closed User Group (CUG) Supplementary Services; Stage 1</b>				
R98	current version: 7.0.0	WG (prime / other):	S1 / -	rapporteur:	BLOMSTRAND, Ola
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	history (event, available, version,				TeliaSonera AB
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<b>TS 02.86</b>	<b>Advice of Charge (AoC) Supplementary Services; Stage 1</b>				
R98	current version: 7.0.0	WG (prime / other):	S1 / -	rapporteur:	CRAWFORD, Ian
	freeze_meeting: smg-29	G: yes U:		MCC:	CLAYTON, Michael
	history (event, available, version,				VODAFONE Group Plc
	smg-29 25/06/1999 7 . 0 . 0				
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				remarks - this release: #29: 7.0.0	
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<b>TS 02.87</b>	<b>User-to-User Signalling (UUS) Service Description; Stage 1</b>				
R98	current version: 7.1.2	WG (prime / other):	S1 / -	rapporteur:	CONRAD, Alan
	freeze_meeting: smg-29	G: yes U:		MCC:	CLAYTON, Michael
	history (event, available, version,				T-MOBILE DEUTSCHLAND
	smg-25 20/03/1998 7 . 0 . 0				
	smg-28 12/02/1999 7 . 1 . 0	<a href="#">get it</a>		remarks - general:	
	smg-29 25/06/1999 7 . 1 . 1	<a href="#">get it</a>		remarks - this release: #25: 7.0.0 (5.x.y withdrawn) #28: 7.1.0 #29: 7.1.1	
	ETSI publication 16/12/1999 7 . 1 . 2	<a href="#">get it</a>			
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<b>TS 02.88</b>	<b>Call Barring (CB) Supplementary Services; Stage 1</b>				
R98	current version: 7.0.0	WG (prime / other):	S1 / -	rapporteur:	CONRAD, Alan
	freeze_meeting: smg-29	G: yes U:		MCC:	CLAYTON, Michael
	history (event, available, version,				T-MOBILE DEUTSCHLAND
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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> SLOTTE, Sverre		NOKIA Corporation	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i> smg-29 25/06/1999 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 02.91</b>	<b>Explicit Call Transfer (ECT)</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> POSTMANN, Erwin		SIEMENS AG	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i> smg-29 25/06/1999 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 02.93</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:	<i>MCC:</i> CLAYTON, Michael			
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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:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i> smg-29 25/06/1999 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> GARAPATY, Sonia		Nortel Networks (USA)	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i> smg-29 25/06/1999 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

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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:* CLAYTON, Michael EMCOM Ltd  
*freeze\_meeting:* smg-29 *G:* yes *U:* *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
smg-25 20/03/1998 7 . 0 . 0 [get it](#) *remarks - general:*  
smg-29 25/06/1999 7 . 1 . 0 [get it](#) *remarks - this release:* #25: 7.0.0 (5.x.y withdrawn) #29: 7.1.0

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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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**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,*  
smg-29 25/06/1999 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:* SULTAN, Alain SOURCE COM  
*freeze\_meeting:* smg-29 *G:* yes *U:* *MCC:* YOON, Sang-Ui  
*history (event, available, version,*  
smg-29 25/06/1999 7 . 0 . 0 [get it](#) *remarks - general:*  
SP-06 17/12/1999 7 . 1 . 0 [get it](#) *remarks - this release:* #29: 7.0.0 S#6: 7.1.0

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

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## TS 03.03 Numbering, Addressing and Identification

R98 *current version: 7.7.0* WG (prime / other): N4 / T2 rapporteur: RUSSELL, Nick VODAFONE LTD  
*freeze\_meeting: smg-29* G: yes U: MCC: KYMALAINEN, Kimmo  
*history (event, available, version,*  
smg-28 12/02/1999 7 . 0 . 0 [get it](#) *remarks - general:*  
smg-29 25/06/1999 7 . 1 . 0 [get it](#) *remarks - this release:*  
NP-05 08/10/1999 7 . 2 . 0 [get it](#)  
NP-06 15/12/1999 7 . 3 . 0 [get it](#)  
edito 11/02/2000 7 . 3 . 1 [get it](#)  
NP-07 15/03/1999 7 . 4 . 0 [get it](#)  
NP-08 17/03/2000 7 . 5 . 0 [get it](#)  
NP-12 27/06/2001 7 . 6 . 0 [get it](#)  
NP-16 26/06/2002 7 . 7 . 0 [get it](#) SA did not approve companion CRs to 02.16.

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## TR 03.05 Technical performance objectives

R98 *current version: 7.0.0* WG (prime / other): NP / - rapporteur: BOSWARTHICK, David ETSI Secretariat  
*freeze\_meeting: smg-29* G: yes U: MCC: BOSWARTHICK, David  
*history (event, available, version,*  
smg-29 25/06/1999 7 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release: #29: 7.0.0*

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## TS 03.07 Restoration Procedures

R98 *current version: 7.1.0* WG (prime / other): N4 / - rapporteur: PARK, Ian David VODAFONE LTD  
*freeze\_meeting: smg-29* G: yes U: MCC: KYMALAINEN, Kimmo  
*history (event, available, version,*  
smg-29 25/06/1999 7 . 0 . 0 [get it](#) *remarks - general:*  
NP-06 15/12/1999 7 . 1 . 0 [get it](#) *remarks - this release:*

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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	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version,</i>					
	smg-28 12/02/1999 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-29 25/06/1999 7 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-06 17/12/1999 7 . 2 . 0		<a href="#">get it</a>			
	NP-07 15/03/2000 7 . 3 . 0		<a href="#">get it</a>			
	NP-09 31/10/2000 7 . 4 . 0		<a href="#">get it</a>			
	NP-20 27/06/2003 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,	Ericsson Incorporated		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	Rouzbeh			
	<i>history (event, available, version,</i>		<i>MCC:</i> JORGENSEN, Per Johan			
	smg-29 25/06/1999 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	<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version,</i>					
	smg-27 16/10/1998 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-29 26/06/1999 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	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version,</i>					
	smg-29 25/06/1999 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI publication 12/01/2000 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,</i>					
	smg-29 25/06/1999 7 . 0 . 0					
		<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release: #29: 7.0.0</i>			
<hr/>						
<b>TS 03.13</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,</i>					
	smg-29 25/06/1999 7 . 0 . 0					
		<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release: #29: 7.0.0</i>			
<hr/>						
<b>TS 03.14</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,</i>					
	smg-28 12/02/1999 7 . 0 . 0					
	edito 10/08/1999 7 . 0 . 1					
		<a href="#">get it</a>	<i>remarks - general:</i>			
		<a href="#">get it</a>	<i>remarks - this release: #28: 7.0.0</i>			
<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,</i>					
	smg-29 25/06/1999 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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## TS 03.16 Subscriber Data Management

R98 *current version: 7.6.0*  
*freeze\_meeting: smg-29*  
*history (event, available, version,*  
smg-28 12/02/1999 7 . 0 . 0  
smg-29 25/06/1999 7 . 1 . 0  
NP-06 15/12/1999 7 . 2 . 0  
NP-07 15/03/2000 7 . 3 . 0  
NP-09 31/10/2000 7 . 4 . 0  
NP-11 02/04/2001 7 . 5 . 0  
NP-17 17/09/2002 7 . 6 . 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:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 03.18 Basic Call Handling

R98 *current version: 7.4.0*  
*freeze\_meeting: smg-29*  
*history (event, available, version,*  
smg-28 12/02/1999 7 . 0 . 0  
smg-29 25/06/1999 7 . 1 . 0  
NP-05 08/10/1999 7 . 2 . 0  
NP-07 15/03/2000 7 . 3 . 0  
NP-09 31/10/2000 7 . 4 . 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](#)

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## TS 03.19 Subscriber Identity Module Application Programming Interface (SIM API) for Java Card

R98 *current version: 7.5.0*  
*freeze\_meeting: smg-29*  
*history (event, available, version,*  
smg-28 12/02/1999 1 . 0 . 0  
smg-29 25/06/1999 7 . 0 . 0  
smg-31 16/02/2000 7 . 1 . 0  
TP-08 23/06/2000 7 . 2 . 0  
TP-08 28/09/2000 7 . 3 . 0  
TP-10 07/03/2001 7 . 4 . 0  
TP-11 27/07/2001 7 . 5 . 0

*WG (prime / other):* T3 / - *rapporteur:* DIETRICH, Christian SchlumbergerSema - Schlumberger Systèmes S.A  
*G: yes U:* *MCC:* DIETZE, Claus

[get it](#) *remarks - general:* SMG9->T3@#31  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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<b>TS 03.20</b>	<b>Security-related Network Functions</b>					
R98	current version: 7.2.0	WG (prime / other):	S3 / NP /	rapporteur:	NGUYEN NGOC,	France Telecom
	freeze_meeting: smg-29		GP		Sebastien	
		G: yes U:		MCC:	POPE, Maurice	
	history (event, available, version,					
	smg-28 12/02/1999 7 . 0 . 0	<a href="#">get it</a>		remarks - general:		
	smg-29 25/06/1999 7 . 1 . 0	<a href="#">get it</a>		remarks - this release: #32:7.3.0? - status of CRs unclear.		
	smg-30 11/11/1999 7 . 2 . 0	<a href="#">get it</a>				
	CR at smg-32 would have created					
	7.3.0, but unclear whether or not					
<hr/>						
<b>TS 03.22</b>	<b>Functions related to Mobile Station (MS) in idle mode and group receive mode</b>					
R98	current version: 7.4.0	WG (prime / other):	G1 / N1	rapporteur:	ANDERSEN, Niels	MOTOROLA A/S
	freeze_meeting: smg-29				Peter Skov	
		G: yes U:		MCC:	USAI, Paolino	
	history (event, available, version,					
	smg-28 12/02/1999 7 . 0 . 0	<a href="#">get it</a>		remarks - general:	Moved from SMG3 Jan 2000. Moved from G2 Mar 2001. 2001-07: title grows "and	
	smg-29 25/06/1999 7 . 1 . 0	<a href="#">get it</a>		remarks - this release:	group receive mode".	
	smg-30 11/11/1999 7 . 2 . 0	<a href="#">get it</a>				
	SP-06 15/12/1999 7 . 3 . 0	<a href="#">get it</a>				
	SP-11 11/04/2001 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	current version: 7.0.0	WG (prime / other):	G1 / NP	rapporteur:	ANDERSEN, Niels	MOTOROLA A/S
	freeze_meeting: smg-29				Peter Skov	
		G: yes U:		MCC:	USAI, Paolino	
	history (event, available, version,					
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a>		remarks - general:		
				remarks - this release:		
<hr/>						
<b>TR 03.30</b>	<b>Radio Network Planning Aspects</b>					
R98	current version: 7.1.0	WG (prime / other):	GP / -	rapporteur:	TEGTH, Ulf	TeliaSonera AB
	freeze_meeting: smg-29	G: yes U:		MCC:	USAI, Paolino	
	history (event, available, version,					
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a>		remarks - general:		
	smg-31 16/02/2000 7 . 1 . 0	<a href="#">get it</a>		remarks - this release: #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>freeze_meeting:</i> smg-29	<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,</i> smg-26 26/06/1998 7 . 0 . 0	G: yes U:	<i>MCC:</i> POPE, Maurice		
		<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>freeze_meeting:</i> smg-29	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> SULTAN, Alain	SOURCE COM	
	<i>history (event, available, version,</i> smg-29 25/06/1999 7 . 0 . 0 SP-08 23/06/2000 7 . 1 . 0 SP-18 09/01/2003 7 . 2 . 0	G: yes U:	<i>MCC:</i> YOON, Sang-Ui		
		<a href="#">get it</a>	<i>remarks - general:</i>		
		<a href="#">get it</a>	<i>remarks - this release:</i>		
		<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>freeze_meeting:</i> smg-29	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> MCKIBBEN, Bernie	MOTOROLA GmbH	
	<i>history (event, available, version,</i> smg-28 12/02/1999 7 . 0 . 0 smg-29 25/06/1999 7 . 1 . 0 SP-10 21/12/2000 7 . 2 . 0	G: yes U:	<i>MCC:</i> POPE, Maurice		
		<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 TSG#10:7.2.0		
		<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>freeze_meeting:</i> smg-29	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> KOKKOLA, Tommi	NOKIA Corporation	
	<i>history (event, available, version,</i> smg-29 25/06/1999 7 . 0 . 0	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan		
		<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>freeze_meeting:</i> smg-29	<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,</i> smg-27 16/10/1998 7 . 0 . 0 ETSI publication 30/10/2001 7 . 0 . 1	G: yes U:	<i>MCC:</i> POPE, Maurice		
		<a href="#">get it</a>	<i>remarks - general:</i>		
		<a href="#">get it</a>	<i>remarks - this release:</i>		

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**TS 03.38 Alphabets and language-specific information**

R98 *current version: 7.2.0* 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,*  
smg-26 26/06/1998 7 . 0 . 0 [get it](#) *remarks - general:*  
smg-28 12/02/1999 7 . 1 . 0 [get it](#) *remarks - this release: #26: 7.0.0 #28: 7.1.0 #29: 7.2.0*  
smg-29 25/06/1999 7 . 2 . 0 [get it](#)

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**TS 03.40 Technical realization of the Short Message Service (SMS)**

R98 *current version: 7.5.0* 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,*  
smg-26 26/06/1998 7 . 0 . 0 [get it](#) *remarks - general:*  
smg-27 16/10/1998 7 . 1 . 0 [get it](#) *remarks - this release:*  
smg-29 25/06/1999 7 . 2 . 0 [get it](#)  
TP-05 08/10/1999 7 . 3 . 0 [get it](#)  
TP-06 15/12/1999 7 . 4 . 0 [get it](#)  
TP-14 11/01/2002 7 . 5 . 0 [get it](#)

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**TS 03.41 Technical Realization of Short Message Service Cell Broadcast (SMSCB)**

R98 *current version: 7.4.0* 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,*  
smg-28 12/02/1999 7 . 0 . 0 [get it](#) *remarks - general:*  
smg-29 25/06/1999 7 . 1 . 0 [get it](#) *remarks - this release:*  
TP-06 15/12/1999 7 . 2 . 0 [get it](#)  
TP-07 15/03/2000 7 . 3 . 0 [get it](#)  
TP-09 19/10/2000 7 . 4 . 0 [get it](#)

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**TS 03.42 SMS Compression**

R98 *current version: 7.1.1* 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,*  
smg-26 26/06/1998 7 . 0 . 0 [get it](#) *remarks - general:*  
smg-28 12/02/1999 7 . 1 . 0 [get it](#) *remarks - this release:*  
smg-29 25/06/1999 7 . 1 . 1 [get it](#)

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<b>TR 03.43</b>	<b>Support of Videotex</b>								
R98	<i>current version:</i> 7.0.0		<i>WG (prime / other):</i> T2 / -		<i>rapporteur:</i> DI TRIA, Paolo	Telecom Italia Lab S.p.A.			
	<i>freeze_meeting:</i> SP-08		<i>G: yes U:</i>		<i>MCC:</i> RODERMUND, Friedhelm				
	<i>history (event, available, version,</i>								
	smg-29 25/06/1999 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i> #29: 7.0.0				
<hr/>									
<b>TR 03.44</b>	<b>Support of Teletex in a GSM Public Land Mobile Network (PLMN)</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		<i>G: yes U:</i>		<i>MCC:</i> RODERMUND, Friedhelm				
	<i>history (event, available, version,</i>								
	smg-29 25/06/1999 7 . 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>								
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		<i>G: yes U:</i>		<i>MCC:</i> BOSWARTHICK, David				
	<i>history (event, available, version,</i>								
	smg-29 25/06/1999 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	ETSI publication 12/01/2000 7 . 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>								
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,</i>								
	smg-29 25/06/1999 7 . 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>								
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		<i>G: yes U:</i>		<i>MCC:</i> RODERMUND, Friedhelm				
	<i>history (event, available, version,</i>								
	smg-29 25/06/1999 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>				
<hr/>									

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<b>TS 03.48</b>	<b>Security mechanisms for SIM application toolkit; Stage 2</b>				
R98	current version: 7.0.1	WG (prime / other): T3 / -	rapporteur: BARNES, Nigel	MOTOROLA Ltd	
	freeze_meeting: smg-29	G: yes U:	MCC: DIETZE, Claus		
	history (event, available, version,				
	smg-28 12/02/1999 7 . 0 . 0	<a href="#">get it</a>	remarks - general: SMG9->T3@#31		
	smg-29 25/06/1999 7 . 0 . 1	<a href="#">get it</a>	remarks - this release:		
<hr/>					
<b>TR 03.49</b>	<b>Example protocol stacks for interconnecting Cell Broadcast Centre (CBC) and Base Station Controller (BSC)</b>				
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,				
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a>	remarks - general:		
			remarks - this release:		
<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	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,				
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	ETSI publication 12/01/2000 7 . 0 . 1	<a href="#">get it</a>	remarks - this release: #29: 7.0.0 #32:7.1.0		
	smg-32 20/06/2000 7 . 1 . 0	<a href="#">get it</a>			
	ETSI publication 28/11/2000 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	current version: 7.1.1	WG (prime / other): G1 / -	rapporteur: GIRAUD, Alexis	ALCATEL S.A.	
	freeze_meeting: smg-29	G: yes U:	MCC: USAI, Paolino		
	history (event, available, version,				
	smg-28 12/02/1999 7 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	ETSI PE 26/05/1999 7 . 0 . 1	<a href="#">get it</a>	remarks - this release: #28: 7.0.0 #29: 7.1.0		
	smg-29 25/06/1999 7 . 1 . 0	<a href="#">get it</a>			
	ETSI publication 05/09/2000 7 . 1 . 1	<a href="#">get it</a>			

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<b>TS 03.53</b>	<b>Tandem Free Operation (TFO); Service description; Stage 2</b>				
R98	current version: 7.0.1	WG (prime / other): S4 / NP /	rapporteur: FAUCONNIER, Denis	NORTEL NETWORKS (EUROPE)	
	freeze_meeting: smg-29	S2	MCC: USAI, Paolino		
	history (event, available, version,	G: yes U:			
	smg-25 20/03/1998 7 . 0 . 0	<a href="#">get it</a>	remarks - general: Mar00: prime responsibility txfrd to SMG11		
	smg-29 25/06/1999 7 . 0 . 1	<a href="#">get it</a>	remarks - this release: #25: 7.0.0		
<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>				
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,				
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a>	remarks - general:		
			remarks - this release: #29: 7.0.0		
<hr/>					
<b>TS 03.56</b>	<b>GSM Cordless Telephony System (CTS), Phase 1; CTS Architecture Description; Stage 2</b>				
R98	current version: 7.1.1	WG (prime / other): S2 / -	rapporteur: ROBERTS, Martin	Nortel	
	freeze_meeting: smg-29	G: yes U:	MCC: YOON, Sang-Ui		
	history (event, available, version,				
	smg-28 12/02/1999 7 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	ETSI PE 26/05/1999 7 . 0 . 1	<a href="#">get it</a>	remarks - this release: #27: for info #28: 7.0.0 #29: 7.1.0		
	smg-29 25/06/1999 7 . 1 . 0	<a href="#">get it</a>			
	ETSI publication 05/09/2000 7 . 1 . 1	<a href="#">get it</a>			
<hr/>					
<b>TS 03.57</b>	<b>Mobile Station Application Execution Environment (MExE); Functional description; Stage 2</b>				
R98	current version: 7.2.0	WG (prime / other): T2 / -	rapporteur: BRENK, Lars	TTPCom Ltd	
	freeze_meeting: smg-29	G: yes U:	MCC: RODERMUND, Friedhelm		
	history (event, available, version,				
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	TP-06 15/12/1999 7 . 1 . 0	<a href="#">get it</a>	remarks - this release: #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		
	TP-07 15/03/2000 7 . 2 . 0	<a href="#">get it</a>			
<hr/>					
<b>TR 03.58</b>	<b>Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)</b>				
R98	current version: 7.0.0	WG (prime / other): S4 / -	rapporteur: MONFORT, Jean-Yves	France Telecom	
	freeze_meeting: smg-29	G: yes U:	MCC: USAI, Paolino		
	history (event, available, version,				
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a>	remarks - general:		
			remarks - this release: #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:* ZHAO, Yilin MOTOROLA Ltd  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* YOON, Sang-Ui  
*history (event, available, version,*  
smg-28 12/02/1998 7 . 0 . 0 [get it](#) *remarks - general:*  
smg-29 25/06/1999 7 . 1 . 0 [get it](#) *remarks - this release:*  
ETSI publication 20/01/2000 7 . 1 . 1 [get it](#)  
SP-05 08/10/1999 7 . 2 . 0 [get it](#)  
SP-06 15/12/1999 7 . 3 . 0 [get it](#)  
ETSI publication 07/07/2000 7 . 3 . 1 [get it](#)  
SP-07 15/03/2000 7 . 4 . 0 [get it](#)  
ETSI publication 22/09/2000 7 . 4 . 1 [get it](#)  
SP-09 01/02/2001 7 . 5 . 0 [get it](#)  
SP-11 19/04/2001 7 . 6 . 0 [get it](#)  
SP-12 29/06/2001 7 . 7 . 0 [get it](#)  
SP-14 08/01/2002 7 . 8 . 0 [get it](#)  
edito 7 . 8 . 1  
SP-17 02/10/2002 7 . 9 . 0 [get it](#)

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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,*  
smg-31 16/02/2000 7 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

---

**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,*  
smg-29 25/06/1999 7 . 0 . 0 [get it](#) *remarks - general:*  
smg-30 11/11/1999 7 . 1 . 0 [get it](#) *remarks - this release:*

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## TS 03.66 Support of GSM Mobile Number Portability (MNP); Stage 2

R98 *current version: 7.3.1*  
*freeze\_meeting: smg-29*  
*history (event, available, version,*  
smg-28 12/02/1999 7 . 0 . 0  
smg-29 25/06/1999 7 . 1 . 0  
  
NP-05 08/10/1999 7 . 2 . 0  
NP-07 15/03/2000 7 . 3 . 0  
ETSI publication 10/10/2000 7 . 3 . 1

*WG (prime / other):* N4 / - *rapporteur:* LOPEZ SORIA, Luis Telefon AB LM Ericsson  
*G: yes U:* *MCC:* KYMALAINEN, Kimmo

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

[get it](#)

[get it](#)

[get it](#)

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## TS 03.67 Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2

R98 *current version: 7.2.0*  
*freeze\_meeting: smg-29*  
*history (event, available, version,*  
smg-29 25/06/1999 7 . 0 . 0  
NP-07 17/03/2000 7 . 1 . 0  
NP-10 21/12/2000 7 . 2 . 0

*WG (prime / other):* N4 / - *rapporteur:* SCHMITT, Peter SIEMENS AG  
*G: yes U:* *MCC:* KYMALAINEN, Kimmo

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

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## TS 03.68 Voice Group Call Service (VGCS); Stage 2

R98 *current version: 7.2.0*  
*freeze\_meeting: smg-29*  
*history (event, available, version,*  
smg-29 25/06/1999 7 . 0 . 0  
NP-07 15/12/1999 7 . 1 . 0  
NP-09 12/10/2000 7 . 2 . 0

*WG (prime / other):* N1 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*G: yes U:* *MCC:* JORGENSEN, Per Johan

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #29: 7.0.0 TSG#7: 7.1.0 TSG#9:7.2.0*  
[get it](#)

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## TS 03.69 Voice Broadcast service (VBS); Stage 2

R98 *current version: 7.2.0*  
*freeze\_meeting: smg-29*  
*history (event, available, version,*  
smg-29 25/06/1999 7 . 0 . 0  
NP-07 15/03/2000 7 . 1 . 0  
NP-09 12/10/2000 7 . 2 . 0

*WG (prime / other):* N1 / - *rapporteur:* MÜNNING, Dirk DETECON GMBH  
*G: yes U:* *MCC:* JORGENSEN, Per Johan

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #29: 7.0.0 TSG#7: 7.1.0 TSG#9:7.2.0*  
[get it](#)

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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,  
smg-29 25/06/1999 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,  
smg-28 12/02/1999 1 . 0 . 0  
smg-29 25/06/1999 7 . 0 . 0  
SA2-06 30/07/1999 7 . 2 . 0  
edito 29/12/1999 7 . 2 . 1  
smg-31 16/02/2000 7 . 3 . 0  
smg-31b 17/04/2000 7 . 4 . 0  
SP-11 11/04/2001 7 . 5 . 0  
SP-12 29/06/2001 7 . 6 . 0  
SP-13 15/10/2001 7 . 7 . 0  
SP-14 07/01/2002 7 . 8 . 0  
SP-15 02/04/2002 7 . 9 . 0  
SP-16 17/06/2002 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](#)  
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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,  
smg-28 12/02/1999 7 . 0 . 0  
smg-29 25/06/1999 7 . 0 . 1  
NP-05 08/10/1999 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*  
*freeze\_meeting: smg-29*  
*history (event, available, version,*  
smg-28 12/02/1999 7 . 0 . 0  
smg-29 25/06/1999 7 . 1 . 0  
smg-30 11/11/1999 7 . 2 . 0

*WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*G: yes U:* *MCC:* KYMALAINEN, Kimmo

[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 Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 2; Stage 2**

R98 *current version: 7.8.1*  
*freeze\_meeting: smg-29*  
*history (event, available, version,*  
smg-28 12/02/1999 7 . 0 . 0  
ETSI publication 16/08/1999 7 . 0 . 1  
smg-29 25/06/1999 7 . 1 . 0  
NP-05 13/10/1999 7 . 2 . 0  
NP-07 17/03/2000 7 . 3 . 0  
NP-08 23/06/2000 7 . 4 . 0  
NP-10 04/01/2001 7 . 5 . 0  
NP-12 02/07/2001 7 . 6 . 0  
visible figures 04/07/2001 7 . 6 . 1  
NP-14 04/01/2002 7 . 7 . 0  
NP-16 17/06/2002 7 . 8 . 0  
Editorial correction 21/08/2002 7 . 8 . 1  
to SDLs

*WG (prime / other):* N2 / - *rapporteur:* LANTELME, Isabelle ALCATEL S.A.  
*G: yes U:* *MCC:* JURISIC, Andrijana

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
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[get it](#)  
[get it](#)  
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[get it](#)  
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**TS 03.79 Support of Optimal Routeing phase 1; Stage 2**

R98 *current version: 7.3.0*  
*freeze\_meeting: smg-29*  
*history (event, available, version,*  
smg-28 12/02/1999 7 . 0 . 0  
smg-29 25/06/1999 7 . 1 . 0  
NP-05 08/10/1999 7 . 2 . 0  
NP-07 15/03/2000 7 . 3 . 0

*WG (prime / other):* N4 / - *rapporteur:* PARK, Ian David VODAFONE LTD  
*G: yes U:* Chalmers  
*MCC:* KYMALAINEN, Kimmo

[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,</i>				
	smg-28 12/02/1999 7 . 0 . 0		<a href="#">get it</a> <i>remarks - general:</i>		
	smg-29 25/06/1999 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,</i>				
	smg-29 25/06/1999 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,</i>				
	smg-29 25/06/1999 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 (MPPTY) 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,</i>				
	smg-29 25/06/1999 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,</i>				
	smg-29 25/06/1999 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	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>				
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI publication 12/01/2000 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #29: 7.0.0</i>		
<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	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>				
	smg-28 12/02/1999 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-29 25/06/1999 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #28: 7.0.0</i>		
	ETSI publication 17/12/1999 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	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>				
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release: #29: 7.0.0</i>		
<hr/>					
<b>TS 03.90</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	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>				
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release: #29: 7.0.0</i>		
<hr/>					
<b>TS 03.91</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	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>				
	smg-29 25/06/1999 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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**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,*  
smg-29 25/06/1999 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,*  
smg-29 25/06/1999 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,*  
smg-28 12/02/1999 7 . 0 . 0 [get it](#) *remarks - general:*  
smg-29 25/06/1999 7 . 1 . 0 [get it](#) *remarks - this release:*  
NP-05 08/10/1999 7 . 1 . 1 [get it](#)  
NP-06 15/12/1999 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 MOTOROLA A/S  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version,*  
smg-29 25/06/1999 7 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #29: 7.0.0

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**TS 04.02 GSM Public Land Mobile Network (PLMN) Access Reference Configuration**  
R98  
current version: 7.0.0  
freeze\_meeting: smg-29  
WG (prime / other): N1 / - rapporteur: ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
G: yes U: MCC: JORGENSEN, Per Johan  
history (event, available, version,  
smg-29 25/06/1999 7 . 0 . 0  
[get it](#) remarks - general:  
remarks - this release: #29: 7.0.0

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**TS 04.03 Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities**  
R98  
current version: 7.0.0  
freeze\_meeting: smg-29  
WG (prime / other): G2 / - rapporteur: ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
G: yes U: MCC: THOMASEN, Gert  
history (event, available, version,  
smg-29 25/06/1999 7 . 0 . 0  
[get it](#) remarks - general:  
remarks - this release:

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**TS 04.04 Layer 1 - General Requirements**  
R98  
current version: 7.0.0  
freeze\_meeting: smg-29  
WG (prime / other): G2 / - rapporteur: ISAACS, Ken SIEMENS AG  
G: yes U: MCC: THOMASEN, Gert  
history (event, available, version,  
smg-29 25/06/1999 7 . 0 . 0  
[get it](#) remarks - general:  
remarks - this release:

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**TS 04.05 Data Link (DL) Layer General Aspects**  
R98  
current version: 7.1.2  
freeze\_meeting: smg-29  
WG (prime / other): G2 / - rapporteur: ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
G: yes U: MCC: THOMASEN, Gert  
history (event, available, version,  
smg-29 25/06/1999 7 . 0 . 0  
ETSI publication 12/01/2000 7 . 0 . 1  
smg-31 16/02/2000 7 . 1 . 0  
Editorial correction 16/03/2000 7 . 1 . 1  
ETSI publication 22/09/2000 7 . 1 . 2  
[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**

R98 *current version: 7.2.1* WG (prime / other): G2 / - rapporteur: ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting: smg-29* G: yes U: MCC: THOMASEN, Gert

*history (event, available, version,*

smg-29	25/06/1999	7	.	0	.	0
ETSI publication	14/12/1999	7	.	0	.	1
smg-31	16/02/2000	7	.	1	.	0
Editorial correction	16/02/2000	7	.	1	.	1
ETSI publication	29/09/2000	7	.	1	.	2
GP-03	31/01/2001	7	.	2	.	0
edito	31/01/2001	7	.	2	.	1

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
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[get it](#)  
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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* G: yes U: MCC: JORGENSEN, Per Johan

*history (event, available, version,*

smg-28	12/02/1999	7	.	0	.	0
smg-29	25/06/1999	7	.	1	.	0
NP-05	08/10/1999	7	.	2	.	0
NP-06	15/12/1999	7	.	3	.	0

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

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## TS 04.08 Mobile radio interface layer 3 specification

R98 current version: 7.20.1  
freeze\_meeting: smg-29  
history (event, available, version,

WG (prime / other): N1 / G2 rapporteur: HOWELL, Andrew MOTOROLA Ltd  
G: yes U: MCC: JORGENSEN, Per Johan

smg-28	12/02/1999	7	.	0	.	0
smg-29	25/06/1999	7	.	1	.	0
edito	15/07/1999	7	.	1	.	1
ETSI OAP	11/08/1999	7	.	1	.	2
ETSI publication	29/12/1999	7	.	1	.	3
NP-05	08/10/1999	7	.	2	.	0
smg-30b	06/12/1999	7	.	3	.	0
NP-06	15/12/1999	7	.	4	.	0
ETSI publication	20/09/2000	7	.	4	.	2
smg-31	16/02/2000	7	.	5	.	0
edito	20/02/2000	7	.	5	.	1
NP-07	15/03/2000	7	.	6	.	0
ETSI publicaton	05/10/2000	7	.	6	.	1
smg-31b	17/04/2000	7	.	7	.	0
smg-32	28/06/2000	7	.	8	.	0
GP-01/NP-09	12/10/2000	7	.	9	.	0
edito	02/11/2000	7	.	9	.	1
NP-10	02/01/2001	7	.	10	.	0
GP-04	11/04/2001	7	.	11	.	0
GP-05	18/06/2001	7	.	12	.	0
NP-12	13/07/2001	7	.	13	.	0
GP-06	14/09/2001	7	.	14	.	0
GP-07	04/01/2002	7	.	15	.	0
NP-14	07/01/2002	7	.	16	.	0
GP-08	19/02/2002	7	.	17	.	0
NP-17	17/09/2002	7	.	18	.	0
NP-18	18/12/2002	7	.	19	.	0
correction to	25/04/2003	7	.	19	.	1
history box						
GP-15	10/07/2003	7	.	20	.	0
edirial	12/09/2003	7	.	20	.	1

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remarks - general: 04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert

remarks - this release: Thomasen (even numbered CRs!)

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<b>TS 04.10</b>	<b>Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects</b>					
R98	current version: 7.1.0	WG (prime / other): N4 / -	rapporteur: ANDERSEN, Niels	MOTOROLA A/S		
	freeze_meeting: smg-29	G: yes U:	Peter Skov			
	history (event, available, version,	MCC: KYMALAINEN, Kimmo				
	smg-28 12/02/1999 7 . 0 . 0	<a href="#">get it</a> remarks - general:				
	smg-29 25/06/1999 7 . 0 . 1	<a href="#">get it</a> remarks - this release:				
	NP-14 10/01/2002 7 . 1 . 0	<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>					
R98	current version: 7.1.0	WG (prime / other): N1 / -	rapporteur: NOBUYUKI, Uda	NTT COMWARE Corporation		
	freeze_meeting: smg-29	G: yes U:	MCC: JORGENSEN, Per Johan			
	history (event, available, version,					
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a> remarks - general:				
	NP-09 12/10/2000 7 . 1 . 0	<a href="#">get it</a> remarks - this release:				
<hr/>						
<b>TS 04.12</b>	<b>Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface</b>					
R98	current version: 7.0.1	WG (prime / other): G2 / T2	rapporteur: ANDERSEN, Niels	MOTOROLA A/S		
	freeze_meeting: smg-29	G: yes U:	Peter Skov			
	history (event, available, version,	MCC: THOMASEN, Gert				
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a> remarks - general:				
	ETSI publication 12/01/2000 7 . 0 . 1	<a href="#">get it</a> remarks - this release: #29: 7.0.0				
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<b>TS 04.13</b>	<b>Performance Requirements on Mobile Radio Interface</b>					
R98	current version: 7.0.1	WG (prime / other): N1 / -	rapporteur: PUDNEY, Chris	VODAFONE Group Plc		
	freeze_meeting: smg-29	G: yes U:	MCC: JORGENSEN, Per Johan			
	history (event, available, version,					
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a> remarks - general:				
	ETSI publication 12/01/2000 7 . 0 . 1	<a href="#">get it</a> remarks - this release: #29: 7.0.0				

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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		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> THOMASEN, Gert					
	<i>history (event, available, version,</i>								
	smg-29 25/06/1999	7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-30 11/11/1999	7 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>				
	smg-32 20/06/2000	7 . 2 . 0		<a href="#">get it</a>					
	GP-10 19/07/2002	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		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> BOSWARTHICK, David					
	<i>history (event, available, version,</i>								
	smg-27 16/10/1998	7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	edito 23/11/1998	7 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> #27: 7.0.0 TSG#8:7.1.0				
	smg-29 25/06/1999	7 . 0 . 2		<a href="#">get it</a>					
	ETSI publication 14/12/1999	7 . 0 . 3		<a href="#">get it</a>					
	NP-08 21/06/2000	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		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> BOSWARTHICK, David					
	<i>history (event, available, version,</i>								
	smg-28 12/02/1999	7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	ETSI publication 31/08/1999	7 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>				
	NP-06 15/12/1999	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		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo					
	<i>history (event, available, version,</i>								
	smg-30b 06/12/1999	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				
	smg-31 16/02/2000	7 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> and the now-closed SS. TSG#7: txfrd to 3GPP for R99. 2001-12-13: G2->N4.				
	SP-08 21/06/2000	7 . 2 . 0		<a href="#">get it</a>					
	NP-14 10/01/2002	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> 7.12.0	<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,</i>				
	smg-30	1 . 0 . 0		<i>remarks - general:</i>	
	smg-30b 06/12/1999	7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-31 16/02/2000	7 . 1 . 0	<a href="#">get it</a>		
	smg-31b 17/04/2000	7 . 2 . 0	<a href="#">get it</a>		
	GP-02 30/11/2000	7 . 3 . 0	<a href="#">get it</a>		
	GP-03 31/01/2001	7 . 4 . 0	<a href="#">get it</a>		
	edito 31/01/2001	7 . 4 . 1	<a href="#">get it</a>		
	GP-04 04/05/2001	7 . 5 . 0	<a href="#">get it</a>		
	GP-05 18/06/2001	7 . 6 . 0	<a href="#">get it</a>		
	GP-06 14/09/2001	7 . 7 . 0	<a href="#">get it</a>		
	GP-07 08/01/2002	7 . 8 . 0	<a href="#">get it</a>		
	GP-08 19/02/2002	7 . 9 . 0	<a href="#">get it</a>		
	GP-09 02/05/2002	7 . 10 . 0	<a href="#">get it</a>		
	GP-10 19/07/2002	7 . 11 . 0	<a href="#">get it</a>		
	GP-16 12/09/2003	7 . 12 . 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>				
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,</i>				
	smg-30b 06/12/1999	7 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-31b 17/04/2000	7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	GP-01 11/10/2000	7 . 2 . 0	<a href="#">get it</a>		
	GP-03 31/01/2001	7 . 3 . 0	<a href="#">get it</a>		
	GP-07 08/01/2002	7 . 4 . 0	<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,</i>				
	smg-28 12/02/1999	7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI PE 25/05/1999	7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #28: 7.0.0 #29: 7.1.0	
	smg-29 25/06/1999	7 . 1 . 0	<a href="#">get it</a>		
	ETSI publication 05/09/2000	7 . 1 . 1	<a href="#">get it</a>		

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**TS 04.57 GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification**

R98 *current version: 7.0.3* WG (prime / other): N1 / - *rapporteur:* HUPPERICH, Peter ALCATEL S.A.  
*freeze\_meeting:* smg-29 G: yes U: *MCC:* JORGENSEN, Per Johan  
*history (event, available, version,*  
smg-28 12/02/1999 7 . 0 . 0 [get it](#) *remarks - general:*  
ETSI PE 26/05/1999 7 . 0 . 1 [get it](#) *remarks - this release: #28: 7.0.0*  
ETSI Vote 22/05/2000 7 . 0 . 2 [get it](#)  
ETSI publication 05/09/2000 7 . 0 . 3 [get it](#)

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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**

R98 *current version: 7.10.0* WG (prime / other): G2 / - *rapporteur:* BLACK, Jyoti MOTOROLA  
*freeze\_meeting:* smg-29 G: yes U: *MCC:* THOMASEN, Gert  
*history (event, available, version,*  
smg-29 25/06/1999 7 . 0 . 0 [get it](#) *remarks - general:*  
smg-30 11/11/1999 7 . 1 . 0 [get it](#) *remarks - this release:*  
smg-30b 06/12/1999 7 . 2 . 0 [get it](#)  
smg-31 16/02/2000 7 . 3 . 0 [get it](#)  
smg-32 28/06/2000 7 . 5 . 0 [get it](#)  
GP-01 11/10/2000 7 . 6 . 0 [get it](#)  
GP-02 27/11/2000 7 . 7 . 0 [get it](#)  
GP-03 31/01/2001 7 . 8 . 0 [get it](#)  
GP-04 04/05/2001 7 . 9 . 0 [get it](#)  
GP-10 19/07/2002 7 . 10 . 0 [get it](#)

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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,*  
smg-29 25/06/1999 7 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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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>								
R98	<i>current version:</i> 7.5.0		<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> DOIG, Ian	MOTOROLA S.A.S				
	<i>freeze_meeting:</i> smg-29		<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan					
	<i>history (event, available, version,</i>								
	smg-29 25/06/1999	7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-30 11/11/1999	7 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>				
	SP-06 15/12/1999	7 . 2 . 0		<a href="#">get it</a>					
	smg-31 16/02/2000	7 . 3 . 0		<a href="#">get it</a>					
	NP-10 02/01/2001	7 . 4 . 0		<a href="#">get it</a>					
	NP-14 04/01/2002	7 . 5 . 0		<a href="#">get it</a>					
<hr/>									
<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>								
R98	<i>current version:</i> 7.3.0		<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> DOIG, Ian	MOTOROLA S.A.S				
	<i>freeze_meeting:</i> smg-29		<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan					
	<i>history (event, available, version,</i>								
	smg-29 25/06/1999	7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> 24.065 existed, but scrapped since 04.65 is GSM only.				
	smg-30 11/11/1999	7 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>				
	post SP-06 15/12/1999	7 . 2 . 0		<a href="#">get it</a>					
	smg-31 16/02/2000	7 . 3 . 0		<a href="#">get it</a>					
<hr/>									
<b>TS 04.67</b>	<b>Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3</b>								
R98	<i>current version:</i> 7.0.1		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> SCHMITT, Peter	SIEMENS AG				
	<i>freeze_meeting:</i> smg-29		<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo					
	<i>history (event, available, version,</i>								
	smg-29 25/06/1999	7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	ETSI publication 12/01/2000	7 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> #29: 7.0.0				
<hr/>									
<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,</i>								
	smg-29 25/06/1999	7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-30 11/11/1999	7 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>				
	NP-07 15/03/2000	7 . 2 . 0		<a href="#">get it</a>					

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<b>TS 04.69</b>	<b>Broadcast Call Control (BCC) protocol</b>						
R98	<i>current version: 7.2.0</i>	<i>WG (prime / other):</i>	N1 / -	<i>rapporteur:</i>	GARAPATY, Sonia	Nortel Networks (USA)	
	<i>freeze_meeting: smg-29</i>	<i>G: yes U:</i>		<i>MCC:</i>	JORGENSEN, Per Johan		
	<i>history (event, available, version,</i>						
	smg-29 25/06/1999		7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-30 11/11/1999		7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-07 15/03/2000		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: 7.5.0</i>	<i>WG (prime / other):</i>	G2 / -	<i>rapporteur:</i>	ANDERSEN, Niels	MOTOROLA A/S	
	<i>freeze_meeting: smg-29</i>	<i>G: yes U:</i>		<i>MCC:</i>	Peter Skov THOMASEN, Gert		
	<i>history (event, available, version,</i>						
	smg-28 12/02/1999		1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Was SMG2 till TSG#6; MCC expt changed from Al Bakri Jan 2000.	
	smg-29 25/06/1999		7 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-30b 15/12/1999		7 . 1 . 1	<a href="#">get it</a>			
	smg-32 28/06/2000		7 . 2 . 0	<a href="#">get it</a>			
	GP-05 18/06/2001		7 . 3 . 0	<a href="#">get it</a>			
	GP-07 08/01/2002		7 . 4 . 0	<a href="#">get it</a>			
	GP-10 22/07/2002		7 . 5 . 0	<a href="#">get it</a>			
<hr/>							
<b>TS 04.72</b>	<b>Call Deflection (CD) Supplementary Service; Stage 3</b>						
R98	<i>current version: 7.0.1</i>	<i>WG (prime / other):</i>	N4 / -	<i>rapporteur:</i>	WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting: smg-29</i>	<i>G: yes U:</i>		<i>MCC:</i>	KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>						
	smg-28 12/02/1999		7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI publication 30/10/2001		7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>	#27: for info #28: 7.0.0	
<hr/>							
<b>TS 04.80</b>	<b>Mobile Radio Interface Layer 3 - Supplementary Services Specification Formats and Coding</b>						
R98	<i>current version: 7.4.0</i>	<i>WG (prime / other):</i>	N4 / -	<i>rapporteur:</i>	WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting: smg-29</i>	<i>G: yes U:</i>		<i>MCC:</i>	KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>						
	smg-28 12/02/1999		7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-06 15/12/1999		7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-07 15/03/2000		7 . 2 . 0	<a href="#">get it</a>			
	NP-08 21/06/2000		7 . 3 . 0	<a href="#">get it</a>			
	NP-09 28/09/2000		7 . 4 . 0	<a href="#">get it</a>			

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## TS 04.81 Line Identification Supplementary Services; Stage 3

R98 *current version:* 7.0.1  
*freeze\_meeting:* smg-29  
*history (event, available, version,*  
smg-29 25/06/1999 7 . 0 . 0  
Publication 12/01/2000 7 . 0 . 1

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

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[get it](#) *remarks - this release: #29: 7.0.0*

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## TS 04.82 Call Forwarding (CF) Supplementary Services; Stage 3

R98 *current version:* 7.0.2  
*freeze\_meeting:* smg-29  
*history (event, available, version,*  
smg-28 12/02/1999 7 . 0 . 0  
<to be defined> 14/12/1999 7 . 0 . 2

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

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[get it](#) *remarks - this release: #28: 7.0.0*

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## TS 04.83 Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 3

R98 *current version:* 7.0.1  
*freeze\_meeting:* smg-29  
*history (event, available, version,*  
smg-29 25/06/1999 7 . 0 . 0  
Publication 12/01/2000 7 . 0 . 1

*WG (prime / other):* N4 / - *rapporteur:* SHARP, Iain  
*G: yes U:* MCC: KYMALAINEN, Kimmo

NORTEL NETWORKS (EUROPE)

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[get it](#) *remarks - this release: #29: 7.0.0*

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## TS 04.84 Multi Party (MPPTY) Supplementary Services; Stage 3

R98 *current version:* 7.0.1  
*freeze\_meeting:* smg-29  
*history (event, available, version,*  
smg-29 25/06/1999 7 . 0 . 0  
ETSI Publication 12/01/2000 7 . 0 . 1

*WG (prime / other):* N4 / - *rapporteur:* HABERMANN, Steffen  
*G: yes U:* MCC: KYMALAINEN, Kimmo

T-MOBILE DEUTSCHLAND

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #29: 7.0.0*

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## TS 04.85 Closed User Group (CUG) Supplementary Services; Stage 3

R98 *current version:* 7.0.0  
*freeze\_meeting:* smg-29  
*history (event, available, version,*  
smg-29 25/06/1999 7 . 0 . 0

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

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**TS 04.86 Advice of Charge (AoC) Supplementary Services; Stage 3**

R98 *current version: 7.0.1*  
*freeze\_meeting: smg-29*  
*history (event, available, version,*  
smg-29 25/06/1999 7 . 0 . 0  
ETSI Publication 12/01/2000 7 . 0 . 1

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

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[get it](#) *remarks - this release: #29: 7.0.0*

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**TS 04.87 User-to-User Signalling (UUS) Supplementary Service; Stage 3**

R98 *current version: 7.0.2*  
*freeze\_meeting: smg-29*  
*history (event, available, version,*  
smg-28 12/02/1999 7 . 0 . 0  
ETSI Publication 16/12/1999 7 . 0 . 2

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

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[get it](#) *remarks - this release: #28: 7.0.0*

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**TS 04.88 Call Barring (CB) Supplementary Services; Stage 3**

R98 *current version: 7.0.0*  
*freeze\_meeting: smg-29*  
*history (event, available, version,*  
smg-29 25/06/1999 7 . 0 . 0

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

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*remarks - this release: #29: 7.0.0*

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**TS 04.90 Unstructured Supplementary Service Data (USSD)**

R98 *current version: 7.0.1*  
*freeze\_meeting: smg-29*  
*history (event, available, version,*  
smg-29 25/06/1999 7 . 0 . 0  
ETSI Publication 12/01/2000 7 . 0 . 1

*WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo  
*G: yes U:* *MCC:* KYMALAINEN, Kimmo

TeliaSonera AB

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #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*  
*freeze\_meeting: smg-29*  
*history (event, available, version,*  
smg-29 25/06/1999 7 . 0 . 0  
ETSI Publication 12/01/2000 7 . 0 . 1

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

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**TS 04.93 Completion of Calls to Busy Subscriber (CCBS); Stage 3**

R98  
*current version:* 7.0.0  
*freeze\_meeting:* smg-29  
*history (event, available, version,*  
smg-29 25/06/1999 7 . 0 . 0

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

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[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  
*freeze\_meeting:* smg-29  
*history (event, available, version,*  
smg-29 25/06/1999 7 . 0 . 0

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

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*remarks - this release:* #29: 7.0.0

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05 .- series

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**TS 05.01 Physical Layer on the Radio Path (General Description)**

R98  
*current version:* 7.2.0  
*freeze\_meeting:* smg-29  
*history (event, available, version,*  
smg-28 12/02/1999 7 . 0 . 0  
smg-30 11/11/1999 7 . 1 . 0  
GP-07 04/01/2002 7 . 2 . 0

*WG (prime / other):* G1 / - *rapporteur:* JOKINEN, Harri  
*G: yes U:* *MCC:* USAI, Paolino

NOKIA MOBILE PHONES

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[get it](#) *remarks - this release:*  
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## TS 05.02 Multiplexing and Multiple Access on the Radio Path

R98 *current version: 7.7.0*  
*freeze\_meeting: smg-29*

WG (prime / other): G1 / - *rapporteur: SÉBIRE, Benoist*  
G: yes U: *MCC: USAI, Paolino*

NOKIA Corporation

*history (event, available, version,*  
smg-28 12/02/1999 7 . 0 . 0  
smg-29 25/06/1999 7 . 1 . 0  
smg-30 11/11/1999 7 . 2 . 0  
smg-30b 06/12/1999 7 . 3 . 0  
ETSI publication 17/07/2000 7 . 3 . 1  
smg-31 16/02/2000 7 . 4 . 0  
ETSI publication 29/09/2000 7 . 4 . 1  
smg-31b 17/04/2000 7 . 5 . 0  
ETSI publication 17/10/2000 7 . 5 . 1  
GP-02 24/11/2000 7 . 6 . 0  
edito 30/11/2000 7 . 6 . 1  
edito 20/04/2001 7 . 6 . 2  
GP-06 01/10/2001 7 . 7 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
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## TS 05.03 Channel coding

R98 *current version: 7.3.1*  
*freeze\_meeting: smg-29*

WG (prime / other): G1 / - *rapporteur: SÉBIRE, Benoist*  
G: yes U: *MCC: USAI, Paolino*

NOKIA Corporation

*history (event, available, version,*  
smg-28 12/02/1999 7 . 0 . 0  
smg-29 25/06/1999 7 . 1 . 0  
smg-30 11/11/1999 7 . 2 . 0  
smg-31 16/02/1999 7 . 3 . 0  
ETSI publication 17/02/2001 7 . 3 . 1

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #28: 7.0.0 #29: 7.1.0 #30: 7.2.0 #31: 7.3.0*  
[get it](#)  
[get it](#)  
[get it](#)

## TS 05.04 Modulation

R98 *current version: 7.3.0*  
*freeze\_meeting: smg-29*

WG (prime / other): G1 / - *rapporteur: SÉBIRE, Benoist*  
G: yes U: *MCC: USAI, Paolino*

NOKIA Corporation

*history (event, available, version,*  
smg-29 25/06/1999 7 . 0 . 0  
ETSI publication 20/06/2000 7 . 0 . 1  
smg-30b 06/12/1999 7 . 1 . 0  
ETSI publication 20/06/2000 7 . 1 . 1  
GP-03 15/02/2001 7 . 2 . 0  
GP-05 29/06/2001 7 . 3 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
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## TS 05.05 Radio Transmission and Reception

R98 *current version: 7.9.0*  
*freeze\_meeting: smg-29*  
*history (event, available, version,*  
smg-28 12/02/1999 7 . 0 . 0  
smg-29 25/06/1999 7 . 1 . 0  
ETSI publication 14/12/1999 7 . 1 . 1  
smg-30 11/11/1999 7 . 2 . 0  
smg-31 16/02/2000 7 . 3 . 0  
ETSI publication 15/10/2000 7 . 3 . 1  
smg-31b 17/04/2000 7 . 4 . 0  
ETSI publication 27/10/2000 7 . 4 . 1  
GP-01 10/10/2000 7 . 5 . 0  
GP-06 01/10/2001 7 . 6 . 0  
GP-09 06/05/2002 7 . 7 . 0  
GP-10 19/07/2002 7 . 8 . 0  
GP-11 19/09/2002 7 . 9 . 0

WG (prime / other): G1 / - *rapporteur:* SAMUELSSON, Mats  
G: yes U: *MCC:* USAI, Paolino

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
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## TS 05.08 Radio Subsystem Link Control

R98 *current version: 7.7.0*  
*freeze\_meeting: smg-29*  
*history (event, available, version,*  
smg-25 7 . 0 . 0  
smg-29 7 . 1 . 0  
smg-30 7 . 2 . 0  
smg-30b 7 . 3 . 0  
ETSI publication 7 . 3 . 1  
smg-31b 17/04/2000 7 . 4 . 0  
ETSI publication 7 . 4 . 1  
GP-01 10/10/2000 7 . 5 . 0  
GP-02 24/11/2000 7 . 6 . 0  
edito 30/11/2000 7 . 6 . 1  
GP-06 01/10/2001 7 . 7 . 0

WG (prime / other): G1 / - *rapporteur:* EL-SAIGH, Amer VODAFONE Group Plc  
G: yes U: *MCC:* USAI, Paolino

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

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<b>TS 05.09</b>	<b>Link adaptation</b>					
R98	<i>current version: 7.7.0</i>	WG (prime / other):	G1 / -	<i>rapporteur:</i>	ANDERSEN, Niels	MOTOROLA A/S
	<i>freeze_meeting: smg-29</i>	G: yes	U:	<i>MCC:</i>	Peter Skov USAI, Paolino	
	<i>history (event, available, version,</i>					
	smg-28 12/02/1999	7	. 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-29 24/06/1999	7	. 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>	
	ETSI publication 16/12/1999	7	. 0 . 2	<a href="#">get it</a>		
	smg-30 11/11/1999	7	. 1 . 0	<a href="#">get it</a>		
	smg-31 16/02/1999	7	. 2 . 0	<a href="#">get it</a>		
	ETSI publication 05/10/2000	7	. 2 . 1	<a href="#">get it</a>		
	smg-32 28/06/2000	7	. 3 . 0	<a href="#">get it</a>		
	GP-02 01/09/2000	7	. 4 . 0	<a href="#">get it</a>		
	GP-03 15/02/2001	7	. 5 . 0	<a href="#">get it</a>		
	remove revision 31/07/2001	7	. 5 . 1	<a href="#">get it</a>		
	marks					
	GP-06 01/10/2001	7	. 6 . 0	<a href="#">get it</a>		
	GP-07 04/01/2002	7	. 7 . 0	<a href="#">get it</a>		
<b>TS 05.10</b>	<b>Radio subsystem synchronization</b>					
R98	<i>current version: 7.4.0</i>	WG (prime / other):	G1 / -	<i>rapporteur:</i>	JOKINEN, Harri	NOKIA MOBILE PHONES
	<i>freeze_meeting: smg-29</i>	G: yes	U:	<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version,</i>					
	smg-26 26/06/1998	7	. 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-29 25/06/1999	7	. 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	GERAN#2:7.4.0
	ETSI publication 14/12/1999	7	. 1 . 1	<a href="#">get it</a>		
	smg-30 11/11/1999	7	. 2 . 0	<a href="#">get it</a>		
	smg-31b 17/04/2000	7	. 3 . 0	<a href="#">get it</a>		
	ETSI publication 17/10/2000	7	. 3 . 1	<a href="#">get it</a>		
	GP-02 24/11/2000	7	. 4 . 0	<a href="#">get it</a>		
<b>TS 05.14</b>	<b>Release independent frequency bands; Implementation guidelines</b>					
R98	<i>current version: 7.2.0</i>	WG (prime / other):	G1 / G2	<i>rapporteur:</i>	KANGAS, Antti	NOKIA Corporation
	<i>freeze_meeting: smg-29</i>	G: yes	U:	<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version,</i>					
	GP-02 05/01/2001	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 29/06/2001	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 19/07/2002	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	current version: 7.0.0	WG (prime / other): G1 / -	rapporteur: VAN BUSSEL, Han	T-MOBILE DEUTSCHLAND	
	freeze_meeting: smg-29	G: yes U:	MCC: USAI, Paolino		
	history (event, available, version,				
	Upgrade to 30/03/2000 7 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	Release 98		remarks - this release: .		
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<b>TR 05.50</b>	<b>Background for RF Requirements</b>				
R98	current version: 7.4.0	WG (prime / other): G1 / -	rapporteur: ANDERSEN, Niels	MOTOROLA A/S	
	freeze_meeting: smg-29	G: yes U:	Peter Skov		
	history (event, available, version,		MCC: USAI, Paolino		
	smg-26 26/06/1998 7 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	smg-29 25/06/1999 7 . 1 . 0	<a href="#">get it</a>	remarks - this release: #26: 7.0.0 #29: 7.1.0 #30: 7.2.0 #31:7.3.0 #31b:7.4.0		
	smg-30 11/11/1999 7 . 2 . 0	<a href="#">get it</a>			
	smg-31 16/02/2000 7 . 3 . 0	<a href="#">get it</a>			
	smg-31b 17/04/2000 7 . 4 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 05.56</b>	<b>GSM Cordless Telephony System (CTS), Phase 1; CTS-Fixed Part (FP) radio subsystem</b>				
R98	current version: 7.1.1	WG (prime / other): G1 / -	rapporteur: USAI, Paolino	TELECOM ITALIA S.p.A.	
	freeze_meeting: smg-29	G: yes U:	MCC: USAI, Paolino		
	history (event, available, version,				
	smg-28 12/02/1999 7 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	smg-29 25/06/1999 7 . 1 . 0	<a href="#">get it</a>	remarks - this release:		
	ETSI Publication 05/09/2000 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	current version: 7.0.0	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,				
	upgrade to R98 10/04/2001 7 . 0 . 0	<a href="#">get it</a>	remarks - general:		
			remarks - this release: 2001-01-31: Record created on request of GERAN convenor. No R99 required tho.		

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R98

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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<b>TS 06.01</b>	<b>Full Rate Speech Processing Functions</b>					
R98	<i>current version: 7.0.2</i>	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	USAI, Paolino	TELECOM ITALIA S.p.A.
	<i>freeze_meeting: smg-29</i>	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version,</i>					
	smg-28 12/02/1999 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 14/12/1999 7 . 0 . 2			<a href="#">get it</a>	<i>remarks - this release: #28: 7.0.0</i>	
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<b>TS 06.02</b>	<b>Half Rate Speech Processing Functions</b>					
R98	<i>current version: 7.0.2</i>	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	AFTELAK, Steve	MOTOROLA Ltd
	<i>freeze_meeting: smg-29</i>	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version,</i>					
	smg-28 12/02/1999 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 14/12/1999 7 . 0 . 2			<a href="#">get it</a>	<i>remarks - this release: #28: 7.0.0</i>	
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<b>TS 06.06</b>	<b>Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec</b>					
R98	<i>current version: 7.0.1</i>	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	AFTELAK, Steve	MOTOROLA Ltd
	<i>freeze_meeting: smg-29</i>	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version,</i>					
	smg-29 25/06/1999 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 20/01/2000 7 . 0 . 1			<a href="#">get it</a>	<i>remarks - this release: #29: 7.0.0</i>	
<hr/>						
<b>TS 06.07</b>	<b>Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec</b>					
R98	<i>current version: 7.0.1</i>	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	AFTELAK, Steve	MOTOROLA Ltd
	<i>freeze_meeting: smg-29</i>	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version,</i>					
	smg-29 25/06/1999 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 20/01/2000 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: 7.0.0</i>	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	SALEM, Tarek	T-MOBILE DEUTSCHLAND
	<i>freeze_meeting: smg-29</i>	<i>G: yes U:</i>		<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version,</i>					
	smg-29 25/06/1999 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: 7.2.0</i>		<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> LORENZ, Dietmar		PHILIPS Semiconductors
	<i>freeze_meeting: smg-29</i>		<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>					
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	ETSI OAP 28/07/1999	7 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>	
	ETSI publication 14/12/1999	7 . 0 . 2		<a href="#">get it</a>		
	inclusion of zip files	29/03/2000	7 . 0 . 3	<a href="#">get it</a>		
	inclusion of doc file (!)	31/05/2000	7 . 0 . 4	<a href="#">get it</a>		
	smg-32 20/06/2000	7 . 1 . 0		<a href="#">get it</a>		
	SP-12 29/06/2001	7 . 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>					
R98	<i>current version: 7.0.1</i>		<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> NAVARRO, William		NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting: smg-29</i>		<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>					
	smg-29 25/06/1999	7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 29/12/1999	7 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release: #29: 7.0.0</i>	
<b>TS 06.12</b>	<b>Comfort Noise Aspects for Full Rate Speech Traffic Channels</b>					
R98	<i>current version: 7.1.0</i>		<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SERENO, Daniele		TELECOM ITALIA S.p.A.
	<i>freeze_meeting: smg-29</i>		<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>					
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	ETSI Publication 12/01/2000	7 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release: #29: 7.0.0</i>	
	SP-12 29/06/2001	7 . 1 . 0		<a href="#">get it</a>		
<b>TS 06.20</b>	<b>Half Rate Speech Transcoding</b>					
R98	<i>current version: 7.0.1</i>		<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve		MOTOROLA Ltd
	<i>freeze_meeting: smg-29</i>		<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
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	ETSI publication 17/01/2000	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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication 17/01/2000 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #29: 7.0.0</i>			
<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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
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	ETSI Publication 20/01/2000 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #29: 7.0.0</i>			
<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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI Publication 12/01/2000 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #29: 7.0.0</i>			
<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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI Publication 13/01/2000 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #29: 7.0.0</i>			
<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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI Publication 20/01/2000 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #29: 7.0.0</i>			

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<b>TS 06.42</b>	<b>Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels</b>								
R98	current version: 7.0.1	WG (prime / other):	S4 / -	rapporteur:	BARRETT, Paul				Indicate persons who left Company and wait for new One
	freeze_meeting: smg-29	G: yes U:		MCC:	USAI, Paolino				
	history (event, available, version,								
	smg-29 25/06/1999 7 . 0 . 0			<a href="#">get it</a>	remarks - general:				
	ETSI Publication 20/01/2000 7 . 0 . 1			<a href="#">get it</a>	remarks - this release: #29: 7.0.0				
<hr/>									
<b>TS 06.51</b>	<b>GSM Enhanced full rate speech processing functions: General description</b>								
R98	current version: 7.2.0	WG (prime / other):	S4 / -	rapporteur:	JÄRVINEN, Kari				NOKIA Corporation
	freeze_meeting: smg-29	G: yes U:		MCC:	USAI, Paolino				
	history (event, available, version,								
	smg-28 12/02/1999 7 . 0 . 0			<a href="#">get it</a>	remarks - general:				
	smg-29 25/06/1999 7 . 0 . 1			<a href="#">get it</a>	remarks - this release: #28: 7.0.0 #32:7.1.0 TSG#10:7.2.0				
	smg-32 20/06/2000 7 . 1 . 0			<a href="#">get it</a>					
	ETSI publication 30/11/2000 7 . 1 . 1			<a href="#">get it</a>					
	SP-10 20/12/2000 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	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,								
	smg-29 25/06/1999 7 . 0 . 0			<a href="#">get it</a>	remarks - general:				
	ETSI Publication 12/01/2000 7 . 0 . 1			<a href="#">get it</a>	remarks - this release:				
<hr/>									
<b>TS 06.54</b>	<b>Test sequences for the GSM Enhanced Full Rate (EFR)</b>								
R98	current version: 7.2.0	WG (prime / other):	S4 / -	rapporteur:	JÄRVINEN, Kari				NOKIA Corporation
	freeze_meeting: smg-29	G: yes U:		MCC:	USAI, Paolino				
	history (event, available, version,								
	smg-29 25/06/1999 7 . 0 . 0			<a href="#">get it</a>	remarks - general:				
	ETSI publication 12/01/2000 7 . 0 . 1			<a href="#">get it</a>	remarks - this release:				
	SP-10 20/12/2000 7 . 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>				
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	G: yes U:	MCC: USAI, Paolino		
	<i>history (event, available, version,</i>				
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i> #29: 7.0.0		
<hr/>					
<b>TS 06.60</b>	<b>Enhanced full rate speech transcoding</b>				
R98	<i>current version:</i> 7.0.2	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari		NOKIA Corporation
	<i>freeze_meeting:</i> smg-29	G: yes U:	MCC: USAI, Paolino		
	<i>history (event, available, version,</i>				
	smg-28 12/02/1999 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 13/12/1999 7 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release:</i> #28: 7.0.0		
<hr/>					
<b>TS 06.61</b>	<b>Substitution and muting of lost frames 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	G: yes U:	MCC: USAI, Paolino		
	<i>history (event, available, version,</i>				
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 12/01/2000 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #29: 7.0.0		
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<b>TS 06.62</b>	<b>Comfort noise aspects for Enhanced Full Rate (EFR) 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	G: yes U:	MCC: USAI, Paolino		
	<i>history (event, available, version,</i>				
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 12/01/2000 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #29: 7.0.0		
<hr/>					
<b>TS 06.71</b>	<b>Adaptive Multi-Rate speech processing functions; General description</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	G: yes U:	MCC: USAI, Paolino		
	<i>history (event, available, version,</i>				
	smg-28 12/02/1999 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> SMG11->S4 at SMG#30		
	ETSI Publication 16/12/1999 7 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release:</i> #28: 7.0.0		

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## TS 06.73 Adaptive Multi Rate (AMR) speech; ANSI-C code for the AMR speech codec

R98 *current version:* 7.6.0 *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,*  
smg-28 12/02/1999 7 . 0 . 0 [get it](#) *remarks - general:* SMG11->S4 at SMG#30  
smg-29 25/06/1999 7 . 1 . 0 [get it](#) *remarks - this release:* #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 11/11/1999 7 . 2 . 0 [get it](#)  
SP-06 17/12/1999 7 . 3 . 0 [get it](#)  
SP-07 15/03/2000 7 . 4 . 0 [get it](#)  
ETSI Publication 28/09/2000 7 . 4 . 1 [get it](#)  
SP-11 10/04/2001 7 . 5 . 0 [get it](#)  
SP-14 09/01/2002 7 . 6 . 0 [get it](#)

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## TS 06.74 Test sequences for the GSM Adaptive Multi Rate (AMR) speech codec

R98 *current version:* 7.3.0 *WG (prime / other):* S4 / - *rapporteur:* EKUDDEN, Erik Telefon AB LM Ericsson  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version,*  
smg-28 12/02/1999 2 . 0 . 0 [get it](#) *remarks - general:* SMG11->S4 at SMG#30  
SP-06 17/12/1999 7 . 0 . 0 [get it](#) *remarks - this release:*  
corrected test 04/02/2000 7 . 0 . 1 [get it](#)  
vectors  
corrected test 14/09/2000 7 . 0 . 2 [get it](#)  
vectors  
ETSI publication 05/10/2000 7 . 0 . 3 [get it](#)  
SP-11 10/04/2001 7 . 1 . 0 [get it](#)  
corrected tests 04/07/2001 7 . 1 . 1 [get it](#)  
SP-15 28/03/2002 7 . 2 . 0 [get it](#)  
SP-16 28/06/2002 7 . 3 . 0 [get it](#)

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## TR 06.75 Performance characterization of the GSM Adaptive Multi-Rate (AMR) speech codec

R98 *current version:* 7.2.0 *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,*  
smg-29 25/06/1999 1 . 0 . 0 [get it](#) *remarks - general:* SMG11->S4 at SMG#30  
smg-30 11/11/1999 7 . 0 . 0 [get it](#) *remarks - this release:* SMG#29 1.0.0 for information SMG#30: 7.0.0 SA#6: 7.1.0. TSG#7: 7.2.0  
SP-06 17/12/1999 7 . 1 . 0 [get it](#)  
SP-07 17/03/2000 7 . 2 . 0 [get it](#)

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**TR 06.76 Adaptive Multi-Rate (AMR) speech codec; Study phase report**

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,*  
smg-31 16/02/2000 1 . 0 . 0 [get it](#) *remarks - general:* New at SMG#31. Then became 06.77; new 06.76 has new title.  
SP-07 2 . 0 . 0 SP-000023 *remarks - this release:*  
SP-07 17/03/2000 7 . 0 . 0 [get it](#)  
fix invisible 10/01/2002 7 . 0 . 1 [get it](#)  
refix invisible 15/01/2002 7 . 0 . 2 [get it](#)  
figures

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**TS 06.81 Discontinuous Transmission (DTX) for enhanced full rate speech traffic channels**

R98 *current version:* 7.1.1 *WG (prime / other):* S4 / - *rapporteur:* JÄRVINEN, Kari NOKIA Corporation  
*freeze\_meeting:* smg-29 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version,*  
smg-29 25/06/1999 7 . 0 . 0 [get it](#) *remarks - general:*  
smg-30 11/11/1999 7 . 1 . 0 [get it](#) *remarks - this release:* #29: 7.0.0 #30: 7.1.0  
ETSI Publication 09/05/2000 7 . 1 . 1 [get it](#)

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**TS 06.82 Voice Activity Detection (VAD) 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,*  
smg-29 25/06/1999 7 . 0 . 0 [get it](#) *remarks - general:*  
ETSI Publication 12/01/2000 7 . 0 . 1 [get it](#) *remarks - this release:* #29: 7.0.0

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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**

R98 *current version:* 7.0.0 *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,*  
smg-29 25/06/1999 7 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #29: 7.0.0

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## TS 06.90 Adaptive Multi-Rate speech transcoding

R98 *current version:* 7.2.1 *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,*  
smg-28 12/02/1999 7 . 0 . 0 [get it](#) *remarks - general:* SMG11->S4 at SMG#30  
smg-29 25/06/1999 7 . 1 . 0 [get it](#) *remarks - this release:* #28: 7.0.0 #29: 7.1.0 #30: 7.2.0  
smg-30 11/11/1999 7 . 2 . 0 [get it](#)  
ETSI Publication 09/05/2000 7 . 2 . 1 [get it](#)

## TS 06.91 Substitution and muting of lost frames for 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,*  
smg-28 12/02/1999 7 . 0 . 0 [get it](#) *remarks - general:* SMG11->S4 at SMG#30  
smg-30 11/11/1999 7 . 1 . 0 [get it](#) *remarks - this release:* #28: 7.0.0 #30: 7.1.0  
ETSI Publication 09/05/2000 7 . 1 . 1 [get it](#)

## TS 06.92 Comfort noise aspects for Adaptive Multi-Rate 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,*  
smg-28 12/02/1999 7 . 0 . 0 [get it](#) *remarks - general:* SMG11->S4 at SMG#30  
smg-29 25/06/1999 7 . 1 . 0 [get it](#) *remarks - this release:* #28: 7.0.0 #29: 7.1.0  
ETSI Publication 17/12/1999 7 . 1 . 1 [get it](#)

## TS 06.93 Discontinuous Transmission (DTX) for Adaptive Multi-Rate speech traffic channels

R98 *current version:* 7.5.0 *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,*  
smg-28 12/02/1999 7 . 0 . 0 [get it](#) *remarks - general:* SMG11->S4 at SMG#30  
smg-29 25/06/1999 7 . 1 . 0 [get it](#) *remarks - this release:* #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 11/11/1999 7 . 2 . 0 [get it](#)  
SP-06 17/12/1999 7 . 3 . 0 [get it](#)  
ETSI publication 21/03/2001 7 . 3 . 1 [get it](#)  
SP-08 28/06/2000 7 . 4 . 0 [get it](#)  
ETSI publication 30/11/2000 7 . 4 . 1 [get it](#)  
SP-10 21/12/2000 7 . 5 . 0 [get it](#)

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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,*  
smg-28 12/02/1999 7 . 0 . 0 [get it](#) *remarks - general: SMG11->S4 at SMG#30*  
smg-29 25/06/1999 7 . 1 . 0 [get it](#) *remarks - this release: #28: 7.0.0 #29: 7.1.0*  
ETSI Publication 22/12/1999 7 . 1 . 1 [get it](#)

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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,*  
smg-27 16/10/1998 7 . 0 . 0 [get it](#) *remarks - general:*  
smg-28 12/02/1999 7 . 1 . 0 [get it](#) *remarks - this release:*  
ETSI Publication 10/08/1999 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,*  
smg-27 16/10/1998 7 . 0 . 0 [get it](#) *remarks - general:*  
ETSI Publication 10/08/1999 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,*  
smg-29 25/06/1999 7 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release: #29: 7.0.0*

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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)**

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,*  
smg-28 12/02/1999 7 . 0 . 0 [get it](#) *remarks - general:*  
ETSI Publication 17/08/1999 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,*  
smg-26 26/06/1998 7 . 0 . 0 [get it](#) *remarks - general:*  
smg-27 16/10/1998 7 . 1 . 0 [get it](#) *remarks - this release:*  
smg-28 12/02/1999 7 . 2 . 0 [get it](#)  
smg-29 25/06/1999 7 . 3 . 0 [get it](#)  
TP-05 13/10/1999 7 . 4 . 0 [get it](#)  
TP-06 15/12/1999 7 . 5 . 0 [get it](#)  
TP-11 06/04/2001 7 . 6 . 0 [get it](#)  
TP-14 11/01/2002 7 . 7 . 0 [get it](#)  
TP-19 28/03/2003 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,*  
smg-29 25/06/1999 7 . 0 . 0 [get it](#) *remarks - general:*  
TP-05 08/10/1999 7 . 1 . 0 [get it](#) *remarks - this release:*  
TP-15 26/03/2002 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:* WILD, Johanna MOTOROLA Ltd  
*freeze\_meeting:* smg-29 *G:* yes *U:* *MCC:* BOSWARTHICK, David  
*history (event, available, version,*  
smg-29 25/06/1999 7 . 0 . 0 [get it](#) *remarks - general:*  
NP-05 08/10/1999 7 . 1 . 0 [get it](#) *remarks - this release:* #29: 7.0.0 TSG#5: 7.1.0 TSG#11:7.2.0  
NP-11 04/04/2001 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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<b>TS 08.01</b>	<b>General Aspects on the BSS-MSC Interface</b>				
R98	<i>current version:</i> 7.0.0 <i>freeze_meeting:</i> smg-29	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	<i>history (event, available, version,</i> smg-29 25/06/1999 7 . 0 . 0	G: yes U:	MCC: THOMASEN, Gert		
		<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>		
<hr/>					
<b>TS 08.02</b>	<b>Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles</b>				
R98	<i>current version:</i> 7.0.0 <i>freeze_meeting:</i> smg-29	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	<i>history (event, available, version,</i> smg-29 25/06/1999 7 . 0 . 0	G: yes U:	MCC: THOMASEN, Gert		
		<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>		
<hr/>					
<b>TS 08.04</b>	<b>Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification</b>				
R98	<i>current version:</i> 7.0.1 <i>freeze_meeting:</i> smg-29	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	<i>history (event, available, version,</i> smg-28 12/02/1999 7 . 0 . 0 ETSI Publication 17/08/1999 7 . 0 . 1	G: yes U:	MCC: THOMASEN, Gert		
		<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>				
R98	<i>current version:</i> 7.0.1 <i>freeze_meeting:</i> smg-29	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	<i>history (event, available, version,</i> smg-28 12/02/1999 7 . 0 . 0 ETSI Publication 17/08/1999 7 . 0 . 1	G: yes U:	MCC: THOMASEN, Gert		
		<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>		

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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 MOTOROLA A/S  
*freeze\_meeting: smg-29*

G: yes U: MCC: THOMASEN, Gert

*history (event, available, version,*

smg-25	20/03/1998	7	.	0	.	0
smg-28	12/02/1999	7	.	1	.	0
smg-29	25/06/1999	7	.	2	.	0
smg-30	11/11/1999	7	.	3	.	0
smg-30b	06/12/1999	7	.	4	.	0
smg-31b	17/04/2000	7	.	5	.	0
smg-31	16/02/2000	7	.	5	.	0
smg-32	20/06/2000	7	.	6	.	0
edito	14/09/2000	7	.	6	.	1
GP-01	11/10/2000	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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**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 MOTOROLA A/S  
*freeze\_meeting: smg-29*

G: yes U: MCC: THOMASEN, Gert

*history (event, available, version,*

smg-28	12/02/1999	7	.	0	.	0
ETSI Publication	30/08/1999	7	.	0	.	1

[get it](#) *remarks - general:*  
[get it](#) *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 MOTOROLA A/S  
*freeze\_meeting: smg-29*

G: yes U: MCC: THOMASEN, Gert

*history (event, available, version,*

smg-28	12/02/1999	7	.	0	.	0
smg-29	25/06/1999	7	.	1	.	0

[get it](#) *remarks - general:*  
[get it](#) *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:	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version,</i>				
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-30 11/11/1999 7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-31 16/02/2000 7 . 3 . 0	<a href="#">get it</a>			
	ETSI publication 26/05/2000 7 . 3 . 1	<a href="#">get it</a>			
	GP-03 31/01/2001 7 . 4 . 0	<a href="#">get it</a>			
	GP-05 18/06/2001 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:	<i>MCC:</i> BOSWARTHICK, David		
	<i>history (event, available, version,</i>				
	smg-27 16/10/1998 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-29 25/06/1999 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-11 04/04/2001 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		MOTOROLA A/S
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version,</i>				
	smg-30 1 . 0 . 0		<i>remarks - general:</i>		
	smg-30b 06/12/1999 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>		
	GP-05 18/06/2001 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		MOTOROLA A/S
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version,</i>				
	smg-29 25/06/1999 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	current version: 7.0.0 freeze_meeting: smg-29	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	history (event, available, version, smg-29 25/06/1999 7 . 0 . 0	G: yes U:	MCC: THOMASEN, Gert		
		<a href="#">get it</a>	remarks - general: remarks - this release:		
<hr/>					
<b>TS 08.54</b>	<b>BSC-BTS Layer 1; Structure of Physical Circuits</b>				
R98	current version: 7.0.0 freeze_meeting: smg-29	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	history (event, available, version, smg-29 25/06/1999 7 . 0 . 0	G: yes U:	MCC: THOMASEN, Gert		
		<a href="#">get it</a>	remarks - general: remarks - this release:		
<hr/>					
<b>TS 08.56</b>	<b>BSC-BTS Layer 2; Specification</b>				
R98	current version: 7.0.0 freeze_meeting: smg-29	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	history (event, available, version, smg-29 25/06/1999 7 . 0 . 0	G: yes U:	MCC: THOMASEN, Gert		
		<a href="#">get it</a>	remarks - general: remarks - this release:		
<hr/>					
<b>TS 08.58</b>	<b>Base Station Controller - Base Transceiver Station (BSC-BTS) Interface Layer 3 Specification</b>				
R98	current version: 7.4.1 freeze_meeting: smg-29	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	history (event, available, version, smg-28 12/02/1999 7 . 0 . 0 smg-29 25/06/1999 7 . 1 . 0 smg-30 11/11/1999 7 . 2 . 0 smg-31 16/02/2000 7 . 4 . 0 ETSI Publication 26/05/2000 7 . 4 . 1	G: yes U:	MCC: THOMASEN, Gert		
		<a href="#">get it</a>	remarks - general: remarks - this release: #28: 7.0.0 #29: 7.1.0 #30: 7.2.0 #31: 7.4.0		
		<a href="#">get it</a>			
		<a href="#">get it</a>			
		<a href="#">get it</a>			
		<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>					
R98	current version: 7.3.0	WG (prime / other):	G1 / -	rapporteur:	ANDERSEN, Niels	MOTOROLA A/S
	freeze_meeting: smg-29				Peter Skov	
		G: yes	U:	MCC:	USAI, Paolino	
	history (event, available, version,					
	smg-29 25/06/2000	7	. 0 . 0	<a href="#">get it</a>	remarks - general:	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
	smg-30 11/11/1999	7	. 1 . 0	<a href="#">get it</a>	remarks - this release:	
	smg-30b 06/12/1999	7	. 2 . 0	<a href="#">get it</a>		
	ETSI publication 07/09/2000	7	. 2 . 1	<a href="#">get it</a>		
	GP-08 19/02/2002	7	. 3 . 0	<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>					
R98	current version: 7.3.0	WG (prime / other):	G1 / NP	rapporteur:	ANDERSEN, Niels	MOTOROLA A/S
	freeze_meeting: smg-29				Peter Skov	
		G: yes	U:	MCC:	USAI, Paolino	
	history (event, available, version,					
	smg-29 25/06/1999	7	. 0 . 0	<a href="#">get it</a>	remarks - general:	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
	smg-30 11/11/1999	7	. 1 . 0	<a href="#">get it</a>	remarks - this release:	
	smg-30b 06/12/1999	7	. 2 . 0	<a href="#">get it</a>		
	Edito 15/12/1999	7	. 2 . 1	<a href="#">get it</a>		
	GP-08 19/02/2002	7	. 3 . 0	<a href="#">get it</a>		

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<b>TS 08.62</b>	<b>Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3</b>					
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,					
	smg-28 12/02/1999	7	. 0 . 0	<a href="#">get it</a>	remarks - general:	SMG11->S4 at SMG#30
	SP-07 15/03/1999	7	. 1 . 0	<a href="#">get it</a>	remarks - this release:	#28: 7.0.0 TSG#7: 7.1.0
	edito 09/08/2000	7	. 1 . 1	<a href="#">get it</a>		

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<b>TS 08.71</b>	<b>Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3</b>						
R98	<i>current version:</i> 7.6.0						
	<i>freeze_meeting:</i> smg-29						
	<i>history (event, available, version,</i>						
	smg-29 25/06/1999	7	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
	smg-30b 06/12/1999	7	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
	edito 31/12/1999	7	.	1	.	1	<a href="#">get it</a>
	smg-31 16/02/2000	7	.	2	.	0	<a href="#">get it</a>
	smg-31b 17/04/2000	7	.	3	.	0	<a href="#">get it</a>
	GP-02 30/11/2000	7	.	4	.	0	<a href="#">get it</a>
	GP-06 14/09/2001	7	.	5	.	0	<a href="#">get it</a>
	GP-07 08/01/2002	7	.	6	.	0	<a href="#">get it</a>

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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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<b>TR 09.01</b>	<b>General Network Interworking Scenarios</b>						
R98	<i>current version:</i> 7.0.0						
	<i>freeze_meeting:</i> smg-29						
	<i>history (event, available, version,</i>						
	smg-29 25/06/1999	7	.	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

R98 current version: 7.13.0

freeze\_meeting: smg-29

history (event, available, version,

smg-28	12/02/1999	7	.	0	.	0
smg-29	25/06/1999	7	.	1	.	0
NP-05	08/10/1999	7	.	2	.	0
NP-06	13/12/1999	7	.	3	.	0
NP-07	15/03/2000	7	.	4	.	0
NP-08	21/06/2000	7	.	5	.	0
edito	04/09/2000	7	.	5	.	1
NP-09	08/11/2000	7	.	6	.	0
NP-10	21/12/2000	7	.	7	.	0
NP-11	06/04/2001	7	.	8	.	0
NP-12	06/07/2001	7	.	9	.	0
NP-14	18/01/2002	7	.	10	.	0
NP-15	04/04/2002	7	.	11	.	0
NP-18	08/01/2003	7	.	12	.	0
NP-19	07/04/2003	7	.	13	.	0

WG (prime / other): N4 / -  
G: yes U:

rapporteur: WIEHE, Ulrich  
MCC: KYMALAINEN, Kimmo

Gesellschaft für Kommunikations Software

[get it](#) remarks - general: CN->N4 Apr00 (JMM)  
[get it](#) remarks - this release:  
[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

R98 current version: Network (PLMN)

ETSI Secretariat

freeze\_meeting: smg-29

history (event, available, version,

smg-29	25/06/1999	7	.	0	.	0
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7.0.0

WG (prime / other):

N3

/-

rapporteur:

BOSWARTHICK, David

G: yes U:

MCC: BOSWARTHICK, David

[get it](#) remarks - general: N3: "no R99 needed".  
[get it](#) remarks - this release: #29: 7.0.0

## TS 09.04 Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)

R98 current version: 7.0.0

freeze\_meeting: smg-29

history (event, available, version,

smg-29	25/06/1999	7	.	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".  
[get it](#) remarks - this release: #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	WG (prime / other):	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,</i>								
	smg-29 25/06/1999 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				
<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>								
R98	<i>current version:</i> <b>Switched Data Transmission Services</b>	7.0.0	WG (prime / other):	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,</i>								
	smg-29 25/06/1999 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				
<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>								
R98	<i>current version:</i> <b>Network (PSTN)</b>	7.2.0	WG (prime / other):	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,</i>								
	smg-27 16/10/1998 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-28 12/02/1999 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 25/06/1999 7 . 1 . 1			<a href="#">get it</a>					
	NP-06 15/12/1999 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	WG (prime / other):	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,</i>								
	smg-29 25/06/1999 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-30 11/11/1999 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 13/12/1999 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: Procedures and the Mobile Application Part (MAP)</i>	7.2.0	WG (prime / other):	N4	/-	<i>rapporteur:</i>	KYMALAINEN, Kimmo		
	TeliaSonera AB								
	<i>freeze_meeting: smg-29</i>		G: yes	U:		MCC:	KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>								
	smg-29 25/06/1999	7 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-06 15/12/1999	7 . 1 . 0				<a href="#">get it</a>	<i>remarks - this release: #29: 7.0.0 TSG#6: 7.1.0 TSG#11:7.2.0</i>		
	NP-11 04/04/2001	7 . 2 . 0				<a href="#">get it</a>			
<hr/>									
<b>TS 09.11</b>	<b>Signalling Interworking for Supplementary Services</b>								
R98	<i>current version: 7.0.1</i>		WG (prime / other):	N4	/-	<i>rapporteur:</i>	WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting: smg-29</i>		G: yes	U:		MCC:	KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>								
	smg-28 12/02/1999	7 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 12/03/1999	7 . 0 . 1				<a href="#">get it</a>	<i>remarks - this release: #28: 7.0.0</i>		
<hr/>									
<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: 7.0.0</i>		WG (prime / other):	N4	/-	<i>rapporteur:</i>	WIEHE, Ulrich	Gesellschaft für Kommunikations Software	
	<i>freeze_meeting: smg-29</i>		G: yes	U:		MCC:	KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>								
	smg-29 25/06/1999	7 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>		
							<i>remarks - this release:</i>		
<hr/>									
<b>TS 09.14</b>	<b>Application of ISUP Version 3 for the ISDN-PLMN (GSM) Signalling</b>								
R98	<i>current version: 7.0.2</i>		WG (prime / other):	SPA	/ N4	<i>rapporteur:</i>	SPORTON, Simon	VODAFONE Group Plc	
	<i>freeze_meeting: smg-29</i>		G: yes	U:		MCC:			
	<i>history (event, available, version,</i>								
	SPS approval 30/06/1999	7 . 0 . 1				<a href="#">get it</a>	<i>remarks - general: EN 302 646</i>		
	ETSI publication 26/09/2000	7 . 0 . 2				<a href="#">get it</a>	<i>remarks - this release: (SPAN1)</i>		
<hr/>									
<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: 7.0.1</i>		WG (prime / other):	N1	/-	<i>rapporteur:</i>	MILLS, Duncan	VODAFONE Group Plc	
	<i>freeze_meeting: smg-29</i>		G: yes	U:		MCC:	JORGENSEN, Per Johan		
	<i>history (event, available, version,</i>								
	smg-28 12/02/1999	7 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 17/08/1999	7 . 0 . 1				<a href="#">get it</a>	<i>remarks - this release:</i>		

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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>
R98	<i>current version:</i> 7.5.0
	<i>freeze_meeting:</i> smg-29
	<i>WG (prime / other):</i> N1 / -
	<i>rapporteur:</i> MILLS, Duncan
	<i>MCC:</i> JORGENSEN, Per Johan
	<i>VODAFONE Group Plc</i>
	<i>G: yes U:</i>
<i>history (event, available, version,</i>	
smg-28 12/02/1999 7 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i>
smg-29 25/06/1999 7 . 1 . 0	<a href="#">get it</a> <i>remarks - this release:</i>
NP-05 08/10/1999 7 . 2 . 0	<a href="#">get it</a>
NP-07 15/03/2000 7 . 3 . 0	<a href="#">get it</a>
NP-13 02/10/2001 7 . 4 . 0	<a href="#">get it</a>
NP-14 04/01/2002 7 . 5 . 0	<a href="#">get it</a>

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<b>TS 09.31</b>	<b>Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)</b>
R98	<i>current version:</i> 7.7.0
	<i>freeze_meeting:</i> smg-29
	<i>WG (prime / other):</i> G2 / -
	<i>rapporteur:</i> ANDERSEN, Niels
	<i>MCC:</i> THOMASEN, Gert
	<i>MOTOROLA A/S</i>
	<i>G: yes U:</i>
<i>history (event, available, version,</i>	
smg-30b 06/12/1999 7 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i>
smg-31 16/02/2000 7 . 1 . 0	<a href="#">get it</a> <i>remarks - this release:</i>
smg-31b 17/04/2000 7 . 2 . 0	<a href="#">get it</a>
smg-32 28/06/2000 7 . 3 . 0	<a href="#">get it</a>
GP-01 11/10/2000 7 . 4 . 0	<a href="#">get it</a>
ETSI publication 7 . 4 . 1	ETSI format only. Not for 3GPP use.
GP-06 18/09/2001 7 . 5 . 0	<a href="#">get it</a>
GP-07 08/01/2002 7 . 6 . 0	<a href="#">get it</a>
GP-10 19/07/2002 7 . 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 GPT) across the Gn and Gp Interface</b>				
R98	<i>current version:</i> 7.10.0	<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,</i>				
	smg-28 12/02/1999 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-29 25/06/1999 7 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	NP-05 08/10/1999 7 . 2 . 0		<a href="#">get it</a>		
	NP-06 15/12/1999 7 . 3 . 0		<a href="#">get it</a>		
	NP-07 15/03/2000 7 . 4 . 0		<a href="#">get it</a>		
	NP-08 21/06/2000 7 . 5 . 0		<a href="#">get it</a>		
	NP-09 31/10/2000 7 . 6 . 0		<a href="#">get it</a>		
	NP-11 02/04/2001 7 . 7 . 0		<a href="#">get it</a>		
	edito 04/07/2001 7 . 7 . 1	prob with figures. Expect an update.	<a href="#">get it</a>		
	make figures 09/08/2001 7 . 7 . 2		<a href="#">get it</a>		
	visible				
	NP-13 03/10/2001 7 . 8 . 0		<a href="#">get it</a>		
	NP-16 21/06/2002 7 . 9 . 0		<a href="#">get it</a>		
	NP-18 07/01/2003 7 . 10 . 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>				
R98	<i>current version:</i> 7.10.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> WILD, Johanna	MOTOROLA Ltd	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David		
	<i>history (event, available, version,</i>				
	smg-28 12/02/1999 7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-29 25/06/1999 7 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	NP-06 15/12/1999 7 . 2 . 0		<a href="#">get it</a>		
	NP-11 04/04/2001 7 . 3 . 0		<a href="#">get it</a>		
	NP-13 12/10/2001 7 . 4 . 0		<a href="#">get it</a>		
	NP-14 14/01/2002 7 . 5 . 0		<a href="#">get it</a>		
	NP-15 20/03/2002 7 . 6 . 0		<a href="#">get it</a>		
	NP-16 02/07/2002 7 . 7 . 0		<a href="#">get it</a>		
	NP-18 09/01/2003 7 . 8 . 0		<a href="#">get it</a>		
	NP-19 27/03/2003 7 . 9 . 0		<a href="#">get it</a>		
	NP-20 23/06/2003 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			<i>G: yes U:</i>	<i>MCC:</i> JURISIC, Andrijana				
	<i>history (event, available, version,</i>								
	smg-29 25/06/1999	7	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	
	NP-08 21/06/2000	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	MOTOROLA A/S			
	<i>freeze_meeting:</i> smg-28			<i>G: yes U:</i>	Peter Skov				
	<i>history (event, available, version,</i>				JORGENSEN, Per Johan				
	NP-16 26/06/2002	7	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	
	edito post NP-18 16/12/2002	7	.	0	.	1	<a href="#">get it</a>	<i>remarks - this release:</i>	2002-05-02 (Hietalahti): Anticipate resurrection as null document pointing to latest Release version.
									minor editorials to change style from TS to 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	MOTOROLA A/S			
	<i>freeze_meeting:</i> GP-04			<i>G: yes U:</i>	Peter Skov				
	<i>history (event, available, version,</i>				USAI, Paolino				
	GP-04 20/04/2001	7	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	
	GP-07 04/01/2002	7	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	GP-08 19/02/2002	7	.	2	.	0	<a href="#">get it</a>		
	GP-12 03/01/2003	7	.	3	.	0	<a href="#">get it</a>		

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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			<i>G: yes U:</i>	<i>MCC:</i> YOON, Sang-Ui				
	<i>history (event, available, version,</i>								
	smg-26 11/09/1998	7	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-27	7	.	1	.	0		<i>remarks - this release:</i>	#27: 7D1.0
									Not available

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**TS 10.56 Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1**  
R98 *current version:* 7.0.0 *WG (prime / other):* S2 / - *rapporteur:* GALLIGO, Michel ALCATEL S.A.  
*freeze\_meeting:* smg-29 *G:* yes *U:* *MCC:* YOON, Sang-Ui  
*history (event, available, version,*  
draft 28/08/1998 2 . 0 . 1 [get it](#) *remarks - general:*  
smg-27 09/02/2000 7 . 0 . 0 [get it](#) *remarks - this release:*

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**TS 10.70 GSM Adaptive Multi-Rate Speech Codec (AMR); Project schedule and open issues for AMR**  
R98 *current version:* 0.2.1 DRAFT *WG (prime / other):* S4 / - *rapporteur:* VACANT, USAI, Paolino  
*freeze\_meeting:* smg-29 *G:* yes *U:* *MCC:*  
*history (event, available, version,*  
smg-27 16/10/1998 0 . 0 . 1 [get it](#) *remarks - general:*  
smg-28 12/02/1999 0 . 2 . 0 [get it](#) *remarks - this release:*  
draft 05/02/1999 0 . 2 . 1 [get it](#)

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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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**TS 11.10-1 Mobile station (MS) conformance specification; Part 1: Conformance specification**  
R98 *current version:* 7.3.0 *WG (prime / other):* G3ne / S1 / *rapporteur:* SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* smg-29 NP /  
T2 /  
SCP  
*G:* yes *U:* *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
smg-29 25/06/1999 7 . 0 . 0 [get it](#) *remarks - general:* R99 version now serves all releases. Earlier releases closed.. Subsequently  
smg-30 11/11/1999 7 . 1 . 0 [get it](#) *remarks - this release:* #31bis: closed (R99 version serves all releases). GP-06: Rel-4 serves all releases.  
replaced by Rel-5 equivalent. 2001-11-19: G4->G5.  
smg-31 16/02/2000 7 . 2 . 0 [get it](#)  
editorial correction 16/02/2000 7 . 2 . 1 [get it](#)  
GP-06 06/09/2001 7 . 3 . 0 [get it](#)

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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: DIETZE, Claus

*history (event, available, version,*

smg-26	26/06/1998	7	.	0	.	0		<a href="#">get it</a>	remarks - general:
smg-27	16/10/1998	7	.	1	.	0		<a href="#">get it</a>	remarks - this release:
smg-28	12/02/1999	7	.	2	.	0		<a href="#">get it</a>	
smg-29	25/06/1999	7	.	3	.	0		<a href="#">get it</a>	
smg-30	11/11/1999	7	.	4	.	0		<a href="#">get it</a>	
smg-31	16/02/2000	7	.	5	.	0		<a href="#">get it</a>	
smg-32	28/06/2000	7	.	6	.	0		<a href="#">get it</a>	
edito	24/07/2000	7	.	6	.	1		<a href="#">get it</a>	
TP-14	17/01/2002	7	.	7	.	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

R98 *current version: 7.4.2* WG (prime / other): T3 / - rapporteur: LLOBREGAT, Fernando OBERTHUR CARD SYSTEMS S.A.  
*freeze\_meeting: SP-11* G: yes U: MCC: DIETZE, Claus

*history (event, available, version,*

T3-16		0	.	2	.	0			remarks - general:
TP-10	11/01/2001	1	.	0	.	0		<a href="#">get it</a>	remarks - this release:
TP-11	16/05/2001	7	.	0	.	0	late delivery due to very poor initial formatting	<a href="#">get it</a>	
edito	08/08/2002	7	.	0	.	1	7.0.0. had wrong date on cover page / header	<a href="#">get it</a>	
TP-12	12/07/2001	7	.	1	.	0		<a href="#">get it</a>	
TP-13	12/10/2001	7	.	2	.	0		<a href="#">get it</a>	
TP-14	01/02/2002	7	.	3	.	0		<a href="#">get it</a>	
TP-15	04/04/2002	7	.	4	.	0		<a href="#">get it</a>	
edito post	TP-15 12/04/2002	7	.	4	.	1	adds missing annex attachments	<a href="#">get it</a>	
edito post	TP-17 18/09/2002	7	.	4	.	2	changes reference to withdrawn ETSI TS.	<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>							
R98	<i>current version: 7.7.0</i>	WG (prime / other):	T3 / -	<i>rapporteur:</i>	WOODSEND, Kristian			
	<i>freeze_meeting: smg-29</i>				Indicate persons who left Company and wait for new One			
		G: yes	U:	MCC:	DIETZE, Claus			
	<i>history (event, available, version,</i>							
	smg-26 26/06/1998	7	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	smg-27 16/10/1998	7	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
	smg-28 12/02/1999	7	.	2	.	0	<a href="#">get it</a>	
	smg-29 25/06/1999	7	.	3	.	0	<a href="#">get it</a>	
	smg-31 16/02/2000	7	.	4	.	0	<a href="#">get it</a>	
	smg-32 28/06/2000	7	.	5	.	0	<a href="#">get it</a>	
	TP-09 18/10/2000	7	.	6	.	0	<a href="#">get it</a>	
	TP-12 06/07/2001	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: 7.0.2</i>	WG (prime / other):	T3 / -	<i>rapporteur:</i>	BREMNER, David			
	<i>freeze_meeting: smg-29</i>				Indicate persons who left Company and wait for new One			
		G: yes	U:	MCC:	DIETZE, Claus			
	<i>history (event, available, version,</i>							
	smg-28 12/02/1999	7	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	ETSI Publication 14/12/1999	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: 7.0.1</i>	WG (prime / other):	T3 / -	<i>rapporteur:</i>	LINDHOLM, Rune			
	<i>freeze_meeting: smg-29</i>				NOKIA MOBILE PHONES			
		G: yes	U:	MCC:	DIETZE, Claus			
	<i>history (event, available, version,</i>							
	smg-25 20/03/1998	1	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	smg-28 12/02/1999	7	.	0	.	0	<a href="#">get it</a>	<i>remarks - this release: #25: 1.0.0 #28: 7.0.0</i>
	ETSI Publication 17/08/1999	7	.	0	.	1	<a href="#">get it</a>	

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<b>TS 11.19</b>	<b>CTS SIM Fixed Part</b>							
R98	<i>current version: 7.0.3</i>	WG (prime / other):	T3 / -	<i>rapporteur:</i>	HUBBE, Pascal			
	<i>freeze_meeting: smg-29</i>				ALCATEL S.A.			
		G: yes	U:	MCC:	DIETZE, Claus			
	<i>history (event, available, version,</i>							
	smg-28 12/02/1999	7	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	ETSI Publication 05/09/2000	7	.	0	.	3	<a href="#">get it</a>	<i>remarks - this release: #28: 7.0.0</i>

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**TS 11.21 Base Station System (BSS) equipment specification; Radio aspects**

R98 *current version: 7.5.0* WG (prime / other): G1 / - rapporteur: VACANT,  
*freeze\_meeting: smg-29* G: yes U: MCC: USAI, Paolino

*history (event, available, version,*  
smg-28 12/02/1999 7 . 0 . 0 [get it](#) *remarks - general:*  
smg-29 25/06/1999 7 . 1 . 0 [get it](#) *remarks - this release:*  
smg-30 11/11/1999 7 . 2 . 0 [get it](#)  
ETSI Publication 09/05/2000 7 . 2 . 1 [get it](#)  
GP-12 03/01/2003 7 . 3 . 0 [get it](#)  
GP-13 21/02/2003 7 . 4 . 0 [get it](#)  
GP-15 11/07/2003 7 . 5 . 0 [get it](#)

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**TS 11.26 Base Station System (BSS) equipment specification; Part 4: Repeaters**

R98 *current version: 7.0.0* WG (prime / other): G1 / - rapporteur: VACANT,  
*freeze\_meeting: smg-29* G: yes U: MCC: USAI, Paolino

*history (event, available, version,*  
GP-09 06/05/2002 7 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release: GP-09 (Usai) created to fill the Release gap.*

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**TS 12.03 Security Management**

R98 *current version: 7.0.1* WG (prime / other): S5 / S1 / rapporteur: TRUSS, Michael MOTOROLA Ltd  
*freeze\_meeting: smg-29* NP  
G: yes U: MCC: ZOICAS, Adrian

*history (event, available, version,*  
smg-28 12/02/1999 7 . 0 . 0 [get it](#) *remarks - general:*  
ETSI Publication 17/08/1999 7 . 0 . 1 [get it](#) *remarks - this release:*

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**TS 12.04 Performance data measurements**  
R98 *current version: 7.0.0*  
*freeze\_meeting: smg-29*

WG (prime / other): S5 / S1 / NP / rapporteur: TOCHE, Christian NORTEL NETWORKS (EUROPE)  
G: yes U: MCC: ZOICAS, Adrian

*history (event, available, version,*  
smg-30 11/11/1999 7 . 0 . 0

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

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**TS 12.05 Subscriber Related Call and Event Data**  
R98 *current version: 7.0.1*  
*freeze\_meeting: smg-29*

WG (prime / other): S5 / S1 / rapporteur: ALEXANDER, Benni NOKIA Corporation  
G: yes U: MCC: ZOICAS, Adrian

*history (event, available, version,*  
smg-28 12/02/1999 7 . 0 . 0  
ETSI Publication 17/08/1999 7 . 0 . 1

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

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**TS 12.15 General Packet Radio Service (GPRS); GPRS Charging**  
R98 *current version: 7.7.0*  
*freeze\_meeting: smg-29*

WG (prime / other): S5 / - / rapporteur: ALEXANDER, Benni NOKIA Corporation  
G: yes U: MCC: ZOICAS, Adrian

*history (event, available, version,*  
smg-27 16/10/1998 7 . 0 . 0  
smg-28 12/02/1999 7 . 1 . 0  
smg-29 25/06/1999 7 . 2 . 0  
smg-30 11/11/1999 7 . 3 . 0  
SP-06 7 . 4 . 0  
SP-07 15/03/2000 7 . 5 . 0  
SP-08 21/06/2000 7 . 6 . 0  
SP-18 07/01/2003 7 . 7 . 0

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

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**TS 12.21 Network Management (NM) procedures and messages on the A-bis interface**  
R98 *current version: 7.0.0*  
*freeze\_meeting: smg-29*

WG (prime / other): G1 / S5 / rapporteur: TRUSS, Michael MOTOROLA Ltd  
G: yes U: MCC: USAI, Paolino

*history (event, available, version,*  
GP-09 06/05/2002 7 . 0 . 0

[get it](#) *remarks - general:* SP-13: S5->G3 but no change of rapporteur.  
*remarks - this release:* GP-09 (Usai) created to fill the Release gap.

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Server ACTIVE specs R98 12 .- series  
[http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

## TS 12.71 Location Services (LCS); Location services management

R98 *current version:* 7.0.1 *freeze\_meeting:* smg-29  
*history (event, available, version,*

*WG (prime / other):* S5 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*G: yes U:* *MCC:* ZOICAS, Adrian

draft 22/09/1999 0 . 0 . 1  
draft 18/10/1999 0 . 0 . 2  
draft 03/12/1999 0 . 0 . 3  
draft 22/12/1999 0 . 0 . 4  
draft 17/01/2000 0 . 0 . 5  
draft 22/05/2000 2 . 0 . 0  
draft 25/05/2000 2 . 0 . 1  
SP-08 21/06/2000 7 . 0 . 0  
ETSI Publication 30/11/2000 7 . 0 . 1

[get it](#) *remarks - general:* TSG#11:S5 will no longer maintain.  
[get it](#) *remarks - this release:* Sept 99: 0.0.1 TSG#8:7.0.0 (2.0.1) TSG#11:S5 will no longer maintain.  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

## R97

R97 01 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/01\\_series](http://www.3gpp.org/ftp/Specs/archive/01_series)

## TS 01.01 Technical Specifications and Technical Reports for a GERAN-based 3GPP system

R97 *current version:* 6.0.0 *freeze\_meeting:*  
*history (event, available, version,*

*WG (prime / other):* SP / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
*G: yes U:* *MCC:* POPE, Maurice

SP-20 25/06/2003 6 . 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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Server ACTIVE specs R97 01 .- series  
[http://www.3gpp.org/ftp/Specs/archive/01\\_series](http://www.3gpp.org/ftp/Specs/archive/01_series)

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<b>TS 01.02</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 /	<i>rapporteur:</i> JORGENSEN, Niels H.	TDC TELE DANMARK A/S				
	<i>freeze_meeting:</i> smg-26		NP						
		<i>G: yes</i>	<i>U:</i>	<i>MCC:</i> CLAYTON, Michael					
	<i>history (event, available, version,</i>								
	smg-27 12/01/2001 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	edito 16/01/2001 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>G: yes</i>	<i>U:</i>	<i>MCC:</i> USAI, Paolino					
	<i>history (event, available, version,</i>								
	smg-27 15/11/2000 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> GRAETZ, Ingeborg	SIEMENS AG				
	<i>freeze_meeting:</i> smg-26	<i>G: yes</i>	<i>U:</i>	<i>MCC:</i> CLAYTON, Michael					
	<i>history (event, available, version,</i>								
	smg-27 01/12/2000 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	edito 16/01/2001 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>G: yes</i>	<i>U:</i>	<i>MCC:</i> CLAYTON, Michael					
	<i>history (event, available, version,</i>								
	smg-25 20/03/1998 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>G: yes</i>	<i>U:</i>	<i>MCC:</i> POPE, Maurice					
	<i>history (event, available, version,</i>								
	smg-25 20/03/1998 6 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	Editorial correction 20/03/1998 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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<b>TS 02.01</b>	<b>Principles of telecommunication services supported by a GSM Public Land Mobile Network (PLMN)</b>				
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,				
	smg-27 16/10/1998 6 . 0 . 0		<a href="#">get it</a>	remarks - general:	
	smg-28 12/02/1999 6 . 1 . 0		<a href="#">get it</a>	remarks - this release:	
	smg-29 26/06/1999 6 . 2 . 0		<a href="#">get it</a>		
<hr/>					
<b>TS 02.02</b>	<b>Bearer Services (BS) Supported by a GSM Public Land Mobile Network (PLMN)</b>				
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,				
	smg-27 16/10/1998 6 . 0 . 0		<a href="#">get it</a>	remarks - general:	
	smg-28 12/02/1999 6 . 1 . 0		<a href="#">get it</a>	remarks - this release:	
	Editorial correction 12/02/1999 6 . 1 . 1		<a href="#">get it</a>		
<hr/>					
<b>TS 02.03</b>	<b>Teleservices Supported by a GSM Public Land Mobile Network (PLMN)</b>				
R97	current version: 6.0.0	WG (prime / other): S1 / -	rapporteur: CONRAD, Alan	T-MOBILE DEUTSCHLAND	
	freeze_meeting: smg-26	G: yes U:	MCC: CLAYTON, Michael		
	history (event, available, version,				
	smg-27 16/10/1998 6 . 0 . 0		<a href="#">get it</a>	remarks - general:	
				remarks - this release:	
<hr/>					
<b>TS 02.04</b>	<b>General on Supplementary Services</b>				
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,				
	smg-25 20/03/1998 6 . 0 . 0		<a href="#">get it</a>	remarks - general:	
	smg-28 12/02/1999 6 . 1 . 0		<a href="#">get it</a>	remarks - this release:	
	smg-29 25/06/1999 6 . 1 . 1		<a href="#">get it</a>		

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**TS 02.06 Types of Mobile Stations (MS)**

R97 *current version:* 6.1.1  
*freeze\_meeting:* smg-26  
*history (event, available, version,*  
smg-27 16/10/1999 6 . 0 . 0  
ETSI publication 26/05/1999 6 . 0 . 1  
smg-28 12/02/1999 6 . 1 . 0  
ETSI publication 04/08/1999 6 . 1 . 1

*WG (prime / other):* S1 / - *rapporteur:* JEAL, David VODAFONE Group Plc  
*G: yes U:* *MCC:* CLAYTON, Michael  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)

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**TS 02.07 Mobile Station (MS) Features**

R97 *current version:* 6.2.0  
*freeze\_meeting:* smg-26  
*history (event, available, version,*  
smg-25 20/03/1998 6 . 0 . 0  
smg-26 20/06/1998 6 . 1 . 0  
SP-07 17/03/2000 6 . 2 . 0

*WG (prime / other):* S1 / - *rapporteur:* JEAL, David VODAFONE Group Plc  
*G: yes U:* *MCC:* CLAYTON, Michael  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)

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**TS 02.09 Security aspects**

R97 *current version:* 6.1.1  
*freeze\_meeting:* smg-26  
*history (event, available, version,*  
smg-27 16/10/1998 6 . 0 . 0  
ETSI publication 26/05/1999 6 . 0 . 1  
smg-31 16/02/2000 6 . 1 . 0  
ETSI publication 29/08/2000 6 . 1 . 1

*WG (prime / other):* S3 / S1 / *rapporteur:* CHRISTOFFERSSON, Telia Promotor AB  
NP  
*G: yes U:* *MCC:* POPE, Maurice  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)

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**TS 02.11 Service Accessibility**

R97 *current version:* 6.1.0  
*freeze\_meeting:* smg-26  
*history (event, available, version,*  
smg-26 26/06/1998 6 . 0 . 0  
SP-11 02/04/2001 6 . 1 . 0

*WG (prime / other):* S1 / - *rapporteur:* EVEN, Anne France Telecom  
*G: yes U:* *MCC:* CLAYTON, Michael  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*

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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> EVEN, Anne	France Telecom	
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-30 11/11/1999 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-08 28/06/2000 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	<i>G: yes U:</i>	<i>MCC:</i> DIETZE, Claus		
	<i>history (event, available, version,</i>				
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i>		
<hr/>					
<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> DURAND, Romain	ALCATEL S.A.	
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-27 16/10/1998 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> DWYER, Paul	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	Editorial correction 16/11/1998 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	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-25 20/03/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	edito 26/06/1998 6 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-28 12/02/1999 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:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			
<hr/>						
<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> DWYER, Paul	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	smg-27 16/10/1998 6 . 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>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> ...,	BUNDESMINISTERIUM FUR WIRTSCHAFT		
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	smg-27 16/10/1998 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> GILES, Les	Union Internationale des Chemins de Fer		
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	smg-27 16/10/1998 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:	<i>MCC:</i> DIETZE, Claus			
	<i>history (event, available, version,</i>					
	smg-25 20/03/1998 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  
*freeze\_meeting:* smg-26  
*history (event, available, version,*

*WG (prime / other):* S4 / *rapporteur:* NAVARRO, William  
*G: yes U:* *MCC:* USAI, Paolino

NORTEL NETWORKS (EUROPE)

*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  
*freeze\_meeting:* smg-26  
*history (event, available, version,*  
smg-25 20/03/1998 6 . 0 . 0  
smg-26 26/06/1998 6 . 1 . 0  
ETSI publication 01/12/1998 6 . 1 . 1  
smg-28 12/02/1999 6 . 2 . 0  
ETSI publication 04/08/1999 6 . 2 . 1  
SP-05 14/10/1999 6 . 3 . 0  
ETSI publication 28/11/2000 6 . 3 . 1

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

Research In Motion Limited

[get it](#) *remarks - general:*  
*remarks - this release:* #25: 6.0.0 (5.x.y withdrawn) #26: 6.1.0 #28: 6.2.0 TSG#5 6.3.0  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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**TS 02.63 Packet Data on Signalling channels Service (PDS); Stage 1**

R97 *current version:* 6.0.0  
*freeze\_meeting:* smg-26  
*history (event, available, version,*  
smg-27 16/10/1998 6 . 0 . 0

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

T-MOBILE DEUTSCHLAND

[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  
*freeze\_meeting:* smg-26  
*history (event, available, version,*  
smg-27 16/10/1998 6 . 0 . 0  
ETSI publication 01/09/1999 6 . 0 . 1  
smg-29 25/06/1999 6 . 1 . 0  
Editorial correction 25/07/1999 6 . 1 . 1

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

Union Internationale des Chemins de Fer

[get it](#) *remarks - general:*  
*remarks - this release:*  
[get it](#)  
[get it](#)  
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<b>TS 02.68</b>	<b>Voice Group Call Service (VGCS); Stage 1</b>					
R97	current version: 6.0.1	WG (prime / other):	S1 / -	rapporteur:	GILES, Les	Union Internationale des Chemins de Fer
	freeze_meeting: smg-26	G: yes	U:	MCC:	CLAYTON, Michael	
	history (event, available, version,					
	smg-27 06/10/1998			<a href="#">get it</a>	remarks - general:	
	publish EN 300 01/09/1999			<a href="#">get it</a>	remarks - this release:	
	925					
<hr/>						
<b>TS 02.69</b>	<b>Voice Broadcast Service (VBS); Stage 1</b>					
R97	current version: 6.0.1	WG (prime / other):	S1 / -	rapporteur:	GILES, Les	Union Internationale des Chemins de Fer
	freeze_meeting: smg-26	G: yes	U:	MCC:	CLAYTON, Michael	
	history (event, available, version,					
	smg-27 16/10/1998			<a href="#">get it</a>	remarks - general:	
	Editorial correction 16/11/1998			<a href="#">get it</a>	remarks - this release: #27: 6.0.0	
<hr/>						
<b>TS 02.78</b>	<b>Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)</b>					
R97	current version: 6.6.1	WG (prime / other):	S1 / -	rapporteur:	GRECH, Michel	Lucent Technologies Network Systems UK
	freeze_meeting: smg-26	G: yes	U:	MCC:	CLAYTON, Michael	
	history (event, available, version,					
	smg-25 20/03/1998			<a href="#">get it</a>	remarks - general:	
	smg-26 26/06/1998			<a href="#">get it</a>	remarks - this release:	
	smg-28 12/02/1999			<a href="#">get it</a>		
	smg-29 25/06/1999			<a href="#">get it</a>		
	SP-05 14/10/1999			<a href="#">get it</a>		
	SP-10 12/01/2001			<a href="#">get it</a>		
	SP-14 14/01/2002			<a href="#">get it</a>		
	SP-14 minor 17/01/2002			<a href="#">get it</a>		
	correction					
<hr/>						
<b>TS 02.79</b>	<b>Support of Optimal Routeing (SOR); Service definition (Stage 1)</b>					
R97	current version: 6.0.0	WG (prime / other):	S1 / -	rapporteur:	FREY, Sophie	Indicate persons who left Company and wait for new One
	freeze_meeting: smg-26	G: yes	U:	MCC:	CLAYTON, Michael	
	history (event, available, version,					
	smg-27 16/10/1998			<a href="#">get it</a>	remarks - general:	
					remarks - this release: #27: 6.0.0	

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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	G: yes U:	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release: #27: 6.0.0</i>		
<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> EVEN, Anne	France Telecom	
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release: #27: 6.0.0</i>		
<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> JORGENSEN, Niels H.	TDC TELE DANMARK A/S	
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release: #27: 6.0.0</i>		
<hr/>					
<b>TS 02.84</b>	<b>MultiParty (MPTY) Supplementary Services; Stage 1</b>				
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> POSTMANN, Erwin	SIEMENS AG	
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release: #27: 6.0.0</i>		
<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	G: yes U:	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-27 16/10/1998 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 02.86</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> CRAWFORD, Ian	VODAFONE Group Plc	
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release: #27: 6.0.0</i>		
<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> CONRAD, Alan	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release: #27: 6.0.0</i>		
<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> SLOTTE, Sverre	NOKIA Corporation	
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release: #27: 6.0.0</i>		
<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> POSTMANN, Erwin	SIEMENS AG	
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release: #27: 6.0.0</i>		
<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,</i>				
	smg-25 20/03/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	Editorial correction 20/04/1998 6 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #25: 6.0.0 (5.x.y withdrawn) #26: 6.0.1</i>		

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<b>TS 02.95</b>	<b>Support of Private Numbering Plan (SPNP); 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	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-27 15/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i> #27: 6.0.0		
<hr/>					
<b>TS 02.96</b>	<b>Name Identification Supplementary Services; Stage 1</b>				
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)	
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-25 20/03/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	Editorial correction 20/04/1998 6 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #25: 6.0.0 (5.0.0 withdrawn) #27: 6.0.1		
<hr/>					

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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 03.01</b>	<b>Network Functions</b>				
R97	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> S2 / NP	<i>rapporteur:</i> GAASVIK, Per-Ola	COMVIQ GSM AB	
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> YOON, Sang-Ui		
	<i>history (event, available, version,</i>				
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> SMG3->SA2 @ TSG#7		
	smg-28 12/02/1999 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #27: 6.0.0 #28: 6.1.0		
<hr/>					
<b>TS 03.02</b>	<b>Network Architecture</b>				
R97	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> S2 / NP /	<i>rapporteur:</i> SULTAN, Alain	SOURCE COM	
	<i>freeze_meeting:</i> smg-26	T2	<i>MCC:</i> YOON, Sang-Ui		
	<i>history (event, available, version,</i>	<i>G: yes U:</i>			
	smg-25 20/03/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-26 26/06/1998 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #25: 6.0.0 #26: 6.1.0		
<hr/>					

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

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## TS 03.03 Numbering, Addressing and Identification

R97 *current version:* 6.7.0 *WG (prime / other):* N4 / T2 *rapporteur:* RUSSELL, Nick VODAFONE LTD  
*freeze\_meeting:* smg-26 *G:* yes *U:* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*  
smg-25 20/03/1998 6 . 0 . 0 [get it](#) *remarks - general:*  
smg-26 26/06/1998 6 . 1 . 0 [get it](#) *remarks - this release:*  
smg-28 12/02/1999 6 . 2 . 0 [get it](#)  
smg-29 25/06/1999 6 . 3 . 0 [get it](#)  
NP-05 14/10/1999 6 . 4 . 0 [get it](#)  
NP-07 17/03/2000 6 . 5 . 0 [get it](#)  
NP-08 28/06/2000 6 . 6 . 0 [get it](#)  
NP-16 26/06/2002 6 . 7 . 0 [get it](#) SA did not approve companion CRs to 02.16.

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## TR 03.05 Technical performance objectives

R97 *current version:* 6.0.0 *WG (prime / other):* NP / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*freeze\_meeting:* smg-26 *G:* yes *U:* *MCC:* BOSWARTHICK, David

*history (event, available, version,*  
smg-27 16/10/1998 6 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #27: 6.0.0

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## TS 03.07 Restoration Procedures

R97 *current version:* 6.2.0 *WG (prime / other):* N4 / - *rapporteur:* PARK, Ian David VODAFONE LTD  
*freeze\_meeting:* smg-26 *G:* yes *U:* *MCC:* Chalmers  
KYMALAINEN, Kimmo

*history (event, available, version,*  
smg-25 20/03/1998 6 . 0 . 0 [get it](#) *remarks - general:*  
smg-26 26/06/1998 6 . 1 . 0 [get it](#) *remarks - this release:*  
smg-29 25/06/1999 6 . 2 . 0 [get it](#)

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<b>TS 03.08</b>	<b>Organization of Subscriber Data</b>					
R97	current version: 6.6.0	WG (prime / other):	N4 / -	rapporteur:	BAUER, Rolf	ALCATEL SEL AG
	freeze_meeting: smg-26	G: yes U:		MCC:	KYMALAINEN, Kimmo	
	history (event, available, version,					
	smg-25 20/03/1998 6 . 0 . 0	<a href="#">get it</a>		remarks - general:		
	smg-26 26/06/1998 6 . 1 . 0	<a href="#">get it</a>		remarks - this release:		
	smg-27 16/10/1998 6 . 2 . 0	<a href="#">get it</a>				
	smg-28 12/02/1999 6 . 3 . 0	<a href="#">get it</a>				
	NP-07 15/03/2000 6 . 4 . 0	<a href="#">get it</a>				
	NP-09 31/10/2000 6 . 5 . 0	<a href="#">get it</a>				
	NP-20 27/06/2003 6 . 6 . 0	<a href="#">get it</a>				

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<b>TS 03.09</b>	<b>Handover Procedures</b>					
R97	current version: 6.0.0	WG (prime / other):	N1 / -	rapporteur:	FARHOUMAND,	Ericsson Incorporated
	freeze_meeting: smg-26	G: yes U:		MCC:	Rouzbeh	
	history (event, available, version,				JORGENSEN, Per Johan	
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>		remarks - general:		
				remarks - this release: #27: 6.0.0		

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<b>TS 03.10</b>	<b>GSM Public Land Mobile Network (PLMN) Connection Types</b>					
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,					
	smg-27 18/10/1998 6 . 0 . 0	<a href="#">get it</a>		remarks - general:		
				remarks - this release:		

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<b>TS 03.11</b>	<b>Technical Realization of Supplementary Services - General Aspects</b>					
R97	current version: 6.0.1	WG (prime / other):	N4 / -	rapporteur:	HABERMANN, Steffen	T-MOBILE DEUTSCHLAND
	freeze_meeting: smg-26	G: yes U:		MCC:	KYMALAINEN, Kimmo	
	history (event, available, version,					
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>		remarks - general:		
	Editorial correction 16/11/1998 6 . 0 . 1	<a href="#">get it</a>		remarks - this release: #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,</i>					
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release: #27: 6.0.0</i>			
<hr/>						
<b>TS 03.13</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,</i>					
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release: #27: 6.0.0</i>			
<hr/>						
<b>TS 03.14</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,</i>					
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release: #27: 6.0.0</i>			
<hr/>						
<b>TS 03.15</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,</i>		<i>MCC:</i> KYMALAINEN, Kimmo			
	smg-26 26/06/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-29 25/06/1999 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release: #26: 6.0.0 SMG#29: 6.1.0</i>			

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## TS 03.16 Subscriber Data Management

R97  
current version: 6.5.0  
freeze\_meeting: smg-26  
history (event, available, version,  
smg-25 20/03/1998 6 . 0 . 0  
smg-26 26/06/1998 6 . 1 . 0  
smg-27 16/10/1998 6 . 2 . 0  
smg-28 12/02/1999 6 . 3 . 0  
smg-29 25/06/1999 6 . 4 . 0  
NP-09 13/10/2000 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](#)

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## TS 03.18 Basic Call Handling

R97  
current version: 6.7.0  
freeze\_meeting: smg-26  
history (event, available, version,  
smg-25 20/03/1998 6 . 0 . 0  
smg-26 26/06/1998 6 . 1 . 0  
smg-27 16/10/1998 6 . 2 . 0  
smg-28 12/02/1999 6 . 3 . 0  
smg-29 25/06/1999 6 . 4 . 0  
NP-05 13/10/1999 6 . 5 . 0  
NP-07 17/03/2000 6 . 6 . 0  
NP-09 04/10/2000 6 . 7 . 0

WG (prime / other): N4 / - rapporteur: PARK, Ian David VODAFONE LTD  
G: yes U: MCC: Chalmers KYMALAINEN, Kimmo

[get it](#) remarks - general:  
[get it](#) remarks - this release:  
[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,  
smg-25 20/03/1998 6 . 0 . 0  
smg-29 25/06/1999 6 . 1 . 0

WG (prime / other): S3 / NP / GP rapporteur: NGUYEN NGOC, France Telecom  
G: yes U: MCC: Sebastien 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

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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	current version: 6.3.0	WG (prime / other):	G1 / N1	rapporteur:	ANDERSEN, Niels	MOTOROLA A/S
	freeze_meeting: smg-26	G: yes U:		MCC:	Peter Skov USAI, Paolino	
	history (event, available, version,					
	smg-26 26/06/1998 6 . 0 . 0	<a href="#">get it</a>		remarks - general:	Moved from SMG3 Jan 2000. Moved from G2 Mar 2001. 2001-07: title grows "and	
	smg-28 12/02/1999 6 . 1 . 0	<a href="#">get it</a>		remarks - this release:	group receive mode".	
	smg-29 26/06/1999 6 . 2 . 0	<a href="#">get it</a>				
	SP-11 11/04/2001 6 . 3 . 0	<a href="#">get it</a>				
<hr/>						
<b>TR 03.26</b>	<b>Multiband operation of GSM/DCS 1800 by a single operator</b>					
R97	current version: 6.0.0	WG (prime / other):	G1 / NP	rapporteur:	ANDERSEN, Niels	MOTOROLA A/S
	freeze_meeting: smg-26	G: yes U:		MCC:	Peter Skov USAI, Paolino	
	history (event, available, version,					
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>		remarks - general:		
				remarks - this release:		
<hr/>						
<b>TR 03.30</b>	<b>Radio Network Planning Aspects</b>					
R97	current version: 6.0.1	WG (prime / other):	GP / -	rapporteur:	TEGTH, Ulf	TeliaSonera AB
	freeze_meeting: smg-26	G: yes U:		MCC:	USAI, Paolino	
	history (event, available, version,					
	smg-26 26/06/1998 6 . 0 . 0	<a href="#">get it</a>		remarks - general:		
	Editorial update 26/07/1998 6 . 0 . 1	<a href="#">get it</a>		remarks - this release:	#26: 6.0.0	
<hr/>						
<b>TS 03.32</b>	<b>Universal Geographical Area Description (GAD)</b>					
R97	current version: 6.0.0	WG (prime / other):	S2 / -	rapporteur:	SULTAN, Alain	SOURCE COM
	freeze_meeting: smg-26	G: yes U:		MCC:	YOON, Sang-Ui	
	history (event, available, version,					
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>		remarks - general:		
				remarks - this release:		
<hr/>						
<b>TS 03.34</b>	<b>High Speed Circuit Switched Data (HSCSD); Stage 2</b>					
R97	current version: 6.0.0	WG (prime / other):	N1 / -	rapporteur:	KOKKOLA, Tommi	NOKIA Corporation
	freeze_meeting: smg-26	G: yes U:		MCC:	JORGENSEN, Per Johan	
	history (event, available, version,					
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>		remarks - general:		
				remarks - this release:	#27: 6.0.0	

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## TS 03.38 Alphabets and language-specific information

R97 *current version:* 6.0.1  
*freeze\_meeting:* smg-26  
*history (event, available, version,*  
smg-25 20/03/1998 6 . 0 . 0  
Editorial correction 20/04/1998 6 . 0 . 1

*WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*G: yes U:* *MCC:* RODERMUND, Friedhelm

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #25: 6.0.0*

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## TS 03.40 Technical realization of the Short Message Service (SMS)

R97 *current version:* 6.2.0  
*freeze\_meeting:* smg-26  
*history (event, available, version,*  
smg-25 20/03/1998 6 . 0 . 0  
smg-26 26/06/1998 6 . 1 . 0  
TP-14 11/01/2002 6 . 2 . 0

*WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*G: yes U:* *MCC:* RODERMUND, Friedhelm

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

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## TS 03.41 Technical Realization of Short Message Service Cell Broadcast (SMS-CB)

R97 *current version:* 6.1.0  
*freeze\_meeting:* smg-26  
*history (event, available, version,*  
smg-25 20/03/1998 6 . 0 . 0  
smg-26 26/06/1998 6 . 1 . 0

*WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*G: yes U:* *MCC:* RODERMUND, Friedhelm

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

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## TS 03.42 SMS Compression

R97 *current version:* 6.0.0  
*freeze\_meeting:* smg-26  
*history (event, available, version,*  
smg-27 16/10/1998 6 . 0 . 0

*WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*G: yes U:* *MCC:* RODERMUND, Friedhelm

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

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## TR 03.43 Support of Videotex

R97 *current version:* 6.0.0  
*freeze\_meeting:* smg-26  
*history (event, available, version,*  
smg-27 16/10/1998 6 . 0 . 0

*WG (prime / other):* T2 / - *rapporteur:* DI TRIA, Paolo Telecom Italia Lab S.p.A.  
*G: yes U:* *MCC:* RODERMUND, Friedhelm

[get it](#) *remarks - general:*  
*remarks - this release: #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	current version: 6.0.0 freeze_meeting: smg-26	WG (prime / other): T2 / -	rapporteur: RODERMUND, Friedhelm	Vodafone D2 GmbH	
	history (event, available, version, smg-27 16/10/1998 6 . 0 . 0	G: yes U:	MCC: RODERMUND, Friedhelm		<a href="#">get it</a> remarks - general: remarks - this release:
<hr/>					
<b>TS 03.45</b>	<b>Technical Realization of Facsimile Group 3 Service - transparent</b>				
R97	current version: 6.0.1 freeze_meeting: smg-26	WG (prime / other): N3 / -	rapporteur: BOSWARTHICK, David	ETSI Secretariat	
	history (event, available, version, smg-27 16/10/1998 6 . 0 . 0 Editorial correction 16/10/1998 6 . 0 . 1	G: yes U:	MCC: BOSWARTHICK, David		<a href="#">get it</a> remarks - general: <a href="#">get it</a> remarks - this release:
<hr/>					
<b>TS 03.46</b>	<b>Technical Realization of Facsimile Group 3 Service - non transparent</b>				
R97	current version: 6.0.0 freeze_meeting: smg-26	WG (prime / other): N3 / -	rapporteur: BOSWARTHICK, David	ETSI Secretariat	
	history (event, available, version, smg-27 16/10/1998 6 . 0 . 0	G: yes U:	MCC: BOSWARTHICK, David		<a href="#">get it</a> remarks - general: remarks - this release:
<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	current version: 6.0.0 freeze_meeting: smg-26	WG (prime / other): T2 / -	rapporteur: RODERMUND, Friedhelm	Vodafone D2 GmbH	
	history (event, available, version, smg-27 16/10/1998 6 . 0 . 0	G: yes U:	MCC: RODERMUND, Friedhelm		<a href="#">get it</a> remarks - general: remarks - this release:
<hr/>					
<b>TS 03.48</b>	<b>Security mechanisms for SIM application toolkit; Stage 2</b>				
R97	current version: 6.2.0 freeze_meeting: smg-26	WG (prime / other): T3 / -	rapporteur: BARNES, Nigel	MOTOROLA Ltd	
	history (event, available, version, smg-25 20/03/1998 6 . 0 . 0 smg-26 26/06/1998 6 . 1 . 0 smg-28 12/02/1999 6 . 2 . 0	G: yes U:	MCC: DIETZE, Claus		<a href="#">get it</a> remarks - general: SMG9->T3@#31 <a href="#">get it</a> remarks - this release: <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	current version: 6.1.0	WG (prime / other): T2 / -	rapporteur: RODERMUND, Friedhelm	Vodafone D2 GmbH	
	freeze_meeting: smg-26				
	history (event, available, version,	G: yes U:	MCC: RODERMUND, Friedhelm		
	smg-25 20/03/1998 6 . 0 . 0				<a href="#">get it</a> remarks - general:
	smg-26 26/06/1998 6 . 1 . 0				<a href="#">get it</a> remarks - this release:
<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	current version: 6.2.1	WG (prime / other): S4 / -	rapporteur: USAI, Paolino	TELECOM ITALIA S.p.A.	
	freeze_meeting: smg-26				
	history (event, available, version,	G: yes U:	MCC: USAI, Paolino		
	smg-27 16/10/1998 6 . 0 . 0				<a href="#">get it</a> remarks - general:
	smg-28 12/02/1999 6 . 1 . 0				<a href="#">get it</a> remarks - this release: #27: 6.0.0 #28: 6.1.0 #32:6.2.0
	ETSI publication 21/07/1999 6 . 1 . 1				<a href="#">get it</a>
	smg-32 20/06/2000 6 . 2 . 0				<a href="#">get it</a>
	ETSI publication 30/11/2000 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	current version: 6.0.0	WG (prime / other): N3 / -	rapporteur: BOSWARTHICK, David	ETSI Secretariat	
	freeze_meeting: smg-26				
	history (event, available, version,	G: yes U:	MCC: BOSWARTHICK, David		
	smg-27 16/10/1998 6 . 0 . 0				<a href="#">get it</a> remarks - general:
					remarks - this release: #27: 6.0.0
<hr/>					
<b>TR 03.58</b>	<b>Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)</b>				
R97	current version: 6.0.1	WG (prime / other): S4 / -	rapporteur: MONFORT, Jean-Yves	France Telecom	
	freeze_meeting: smg-26				
	history (event, available, version,	G: yes U:	MCC: USAI, Paolino		
	smg-25 20/03/1998 6 . 0 . 0				<a href="#">get it</a> remarks - general:
	Editorial correction 20/04/1998 6 . 0 . 1				<a href="#">get it</a> remarks - this release: #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:* ZHAO, Yilin MOTOROLA Ltd  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* YOON, Sang-Ui

*history (event, available, version,*

smg-25	20/03/1998	6	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-26	26/06/1998	6	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
edito	28/07/1998	6	.	1	.	1	<a href="#">get it</a>	
smg-27	16/10/1998	6	.	2	.	0	<a href="#">get it</a>	
smg-28	12/02/1999	6	.	3	.	0	<a href="#">get it</a>	
ETSI Vote	13/04/1999	6	.	3	.	1	<a href="#">get it</a>	
ETSI publication	21/07/1999	6	.	3	.	2	<a href="#">get it</a>	
smg-29	25/06/1999	6	.	4	.	0	<a href="#">get it</a>	
ETSI publication	29/12/1999	6	.	4	.	1	<a href="#">get it</a>	
SP-05	13/10/1999	6	.	5	.	0	<a href="#">get it</a>	
SP-06	17/12/1999	6	.	6	.	0	<a href="#">get it</a>	
ETSI publication	07/07/2000	6	.	6	.	1	<a href="#">get it</a>	
SP-07	17/03/2000	6	.	7	.	0	<a href="#">get it</a>	
ETSI publication	22/09/2000	6	.	7	.	1	<a href="#">get it</a>	
SP-11	19/04/2001	6	.	8	.	0	<a href="#">get it</a>	
SP-12	16/08/2001	6	.	9	.	0	<a href="#">get it</a>	
SP-14	08/01/2002	6	.	10	.	0	<a href="#">get it</a>	
edito	29/07/2002	6	.	10	.	1	<a href="#">get it</a>	
SP-17	02/10/2002	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,*

smg-27	16/10/1998	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	current version: 6.4.0	WG (prime / other): G1 / -	rapporteur: LEPPISAARI, Arto	NOKIA Corporation	
	freeze_meeting: smg-26	G: yes U:	MCC: USAI, Paolino		
	history (event, available, version,				
	smg-25 20/03/1998 6 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	smg-26 26/06/1998 6 . 0 . 1	<a href="#">get it</a>	remarks - this release:		
	smg-27 16/10/1998 6 . 1 . 0	<a href="#">get it</a>			
	ETSI OAP 27/05/2000 6 . 1 . 1	<a href="#">get it</a>			
	smg-28 12/02/1999 6 . 2 . 0	<a href="#">get it</a>			
	smg-29 25/06/1999 6 . 3 . 0	<a href="#">get it</a>			
	smg-30 11/11/1999 6 . 4 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 03.67</b>	<b>Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2</b>				
R97	current version: 6.1.0	WG (prime / other): N4 / -	rapporteur: SCHMITT, Peter	SIEMENS AG	
	freeze_meeting: smg-26	G: yes U:	MCC: KYMALAINEN, Kimmo		
	history (event, available, version,				
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	NP-07 17/03/2000 6 . 1 . 0	<a href="#">get it</a>	remarks - this release:		
<hr/>					
<b>TS 03.68</b>	<b>Voice Group Call Service (VGCS); Stage 2</b>				
R97	current version: 6.3.0	WG (prime / other): N1 / -	rapporteur: GARAPATY, Sonia	Nortel Networks (USA)	
	freeze_meeting: smg-26	G: yes U:	MCC: JORGENSEN, Per Johan		
	history (event, available, version,				
	smg-25 20/03/1998 6 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	smg-26 26/06/1998 6 . 1 . 0	<a href="#">get it</a>	remarks - this release: #25: 6.0.0 #26: 6.1.0 TSG#7: 6.2.0 #32:6.3.0 TSG#9:6.3.0		
	smg post SP-07 30/10/1998 6 . 2 . 0	<a href="#">get it</a>			
	NP-09 12/10/2000 6 . 3 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 03.69</b>	<b>Voice Broadcast service (VBS); Stage 2</b>				
R97	current version: 6.3.0	WG (prime / other): N1 / -	rapporteur: MÜNNING, Dirk	DETECON GMBH	
	freeze_meeting: smg-26	G: yes U:	MCC: JORGENSEN, Per Johan		
	history (event, available, version,				
	smg-25 20/03/1998 6 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	smg-26 26/06/1998 6 . 1 . 0	<a href="#">get it</a>	remarks - this release: #25: 6.0.0 #26: 6.1.0 TSG#7: 6.2.0 TSG#9:6.3.0		
	smg post SP-07 30/03/2000 6 . 2 . 0	<a href="#">get it</a>			
	NP-09 12/10/2000 6 . 3 . 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  
freeze\_meeting: smg-26  
history (event, available, version,  
smg-27 16/10/1998 6 . 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: #27: 6.0.0

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## TS 03.78 Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 2; Stage 2

R97  
current version: 6.11.1  
freeze\_meeting: smg-26  
history (event, available, version,  
smg-25 20/03/1998 6 . 0 . 0  
smg-26 26/06/1998 6 . 1 . 0  
ETSI publication 27/08/1998 6 . 1 . 1  
smg-27 16/10/1998 6 . 2 . 0  
smg-28 12/02/1999 6 . 3 . 0  
smg-29 25/06/1999 6 . 4 . 0  
NP-05 13/10/1999 6 . 5 . 0  
NP-07 17/03/2000 6 . 6 . 0  
NP-08 23/06/2000 6 . 7 . 0  
NP-10 04/01/2001 6 . 8 . 0  
NP-12 29/06/2001 6 . 9 . 0  
edito 02/07/2001 6 . 9 . 1  
NP-14 04/01/2002 6 . 10 . 0  
NP-16 17/06/2002 6 . 11 . 0  
Editorial correction 21/08/2002 6 . 11 . 1  
to SDLs

WG (prime / other): N2 / - rapporteur: LANTELME, Isabelle ALCATEL S.A.  
G: yes U: MCC: JURISIC, Andrijana

[get it](#) remarks - general:  
[get it](#) remarks - this release:  
[get it](#)  
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## TS 03.79 Support of Optimal Routing phase 1; Stage 2

R97  
current version: 6.3.0  
freeze\_meeting: smg-26  
history (event, available, version,  
smg-27 16/10/1998 6 . 0 . 0  
smg-29 25/06/1999 6 . 1 . 0  
NP-05 13/10/1999 6 . 2 . 0  
NP-07 17/03/2000 6 . 3 . 0

WG (prime / other): N4 / - rapporteur: PARK, Ian David VODAFONE LTD  
Chalmers  
G: yes U: MCC: KYMALAINEN, Kimmo

[get it](#) remarks - general:  
[get it](#) remarks - this release: #27: 6.0.0 #29: 6.1.0 TSG#5: 6.2.0 TSG#7: 6.3.0  
[get it](#)  
[get it](#)

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<b>TS 03.81</b>	<b>Line Identification Supplementary Services; Stage 2</b>				
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,				
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	remarks - general:		
			remarks - this release: #27: 6.0.0		
<hr/>					
<b>TS 03.82</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 2</b>				
R97	current version: 6.1.0	WG (prime / other): N4 / -	rapporteur: KYMALAINEN, Kimmo	TeliaSonera AB	
	freeze_meeting: smg-26	G: yes U:	MCC: KYMALAINEN, Kimmo		
	history (event, available, version,				
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	smg-29 25/06/1999 6 . 1 . 0	<a href="#">get it</a>	remarks - this release: #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	current version: 6.0.0	WG (prime / other): N4 / -	rapporteur: SHARP, Iain	NORTEL NETWORKS (EUROPE)	
	freeze_meeting: smg-26	G: yes U:	MCC: KYMALAINEN, Kimmo		
	history (event, available, version,				
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	remarks - general:		
			remarks - this release: #27: 6.0.0		
<hr/>					
<b>TS 03.84</b>	<b>Multi Party (MPPTY) Supplementary Services; Stage 2</b>				
R97	current version: 6.0.0	WG (prime / other): N4 / -	rapporteur: HABERMANN, Steffen	T-MOBILE DEUTSCHLAND	
	freeze_meeting: smg-26	G: yes U:	MCC: KYMALAINEN, Kimmo		
	history (event, available, version,				
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	remarks - general:		
			remarks - this release: #27: 6.0.0		
<hr/>					
<b>TS 03.85</b>	<b>Closed user Group (CUG) Supplementary Services; Stage 2</b>				
R97	current version: 6.0.0	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,				
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	remarks - general:		
			remarks - this release:		

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Server ACTIVE specs R97 03 .- series  
[http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

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<b>TS 03.86</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,</i>				
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	Editorial correction 16/11/1998 6 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>		
<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,</i>				
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release: #27: 6.0.0</i>		
<hr/>					
<b>TS 03.90</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	mmO2 plc	
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>				
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release: #27: 6.0.0</i>		
<hr/>					
<b>TS 03.91</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,</i>				
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release: #27: 6.0.0</i>		
<hr/>					
<b>TS 03.93</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,</i>				
	smg-25 20/03/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-26 26/06/1998 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release: #25: 6.0.0 #26: 6.1.0 #27: 6.2.0</i>		
	smg-27 16/10/1998 6 . 2 . 0	<a href="#">get it</a>			

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## TS 03.96 Name Identification Supplementary Services; Stage 2

R97  
current version: 6.0.1  
freeze\_meeting: smg-26  
history (event, available, version,  
smg-25 20/03/1998 6 . 0 . 0  
Editorial correction 20/04/1998 6 . 0 . 1

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: #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  
freeze\_meeting: smg-26  
history (event, available, version,  
smg-27 16/10/1998 6 . 0 . 0

WG (prime / other): N1 / - rapporteur: ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
G: yes U: MCC: JORGENSEN, Per Johan

[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  
freeze\_meeting: smg-26  
history (event, available, version,  
smg-27 16/10/1998 6 . 0 . 0

WG (prime / other): N1 / - rapporteur: ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
G: yes U: MCC: JORGENSEN, Per Johan

[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  
freeze\_meeting: smg-26  
history (event, available, version,  
smg-25 20/03/1998 6 . 0 . 0

WG (prime / other): G2 / - rapporteur: ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
G: yes U: MCC: THOMASEN, Gert

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

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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,*  
smg-25 20/03/1998 6 . 0 . 0

*WG (prime / other):* G2 / - *rapporteur:* ISAACS, Ken  
*G: yes U:* *MCC:* THOMASEN, Gert  
SIEMENS AG  
[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,*  
smg-27 16/10/1998 6 . 0 . 0  
Editorial correction 16/11/1998 6 . 0 . 1

*WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels  
*G: yes U:* *MCC:* THOMASEN, Gert  
MOTOROLA A/S  
[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,*  
smg-27 16/10/1998 6 . 0 . 0  
ETSI publication 01/09/1999 6 . 0 . 1  
smg-29 25/06/1999 6 . 1 . 0  
ETSI publication 14/12/1999 6 . 1 . 1  
smg-31 16/02/2000 6 . 2 . 0  
ETSI publication 29/09/2000 6 . 2 . 1

*WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels  
*G: yes U:* *MCC:* THOMASEN, Gert  
MOTOROLA A/S  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)

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# 3GPP specification status

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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,*

*WG (prime / other):* N1 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*G: yes U:* *MCC:* JORGENSEN, Per Johan

smg-25	20/03/1998	6	.	0	.	0
smg-26	26/06/1998	6	.	1	.	0
smg-27	16/10/1998	6	.	2	.	0
ETSI publication	04/12/1998	6	.	2	.	1
smg-28	12/02/1999	6	.	3	.	0
smg-29	25/06/1999	6	.	4	.	0
NP-05	13/10/1999	6	.	5	.	0
Editorial correction	13/11/1999	6	.	5	.	1

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

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## TS 04.08 Mobile radio interface layer 3 specification

R97 current version: 6.21.1  
freeze\_meeting: smg-26  
history (event, available, version,

WG (prime / other): N1 / G2 rapporteur: HOWELL, Andrew MOTOROLA Ltd  
G: yes U: MCC: JORGENSEN, Per Johan

remarks - general: 04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert  
remarks - this release: Thomasen (even numbered CRs!)

smg-25	6 . 0 . 0	
smg-26 26/06/1998	6 . 1 . 0	<a href="#">get it</a>
edito 08/09/1998	6 . 1 . 1	<a href="#">get it</a>
smg-27 16/10/1998	6 . 2 . 0	<a href="#">get it</a>
ETSI publication 13/04/1999	6 . 2 . 1	<a href="#">get it</a>
smg-28 12/02/1999	6 . 3 . 0	<a href="#">get it</a>
ETSI publication 25/08/1999	6 . 3 . 1	<a href="#">get it</a>
smg-29 25/06/1999	6 . 4 . 0	<a href="#">get it</a>
edito 23/07/1999	6 . 4 . 1	<a href="#">get it</a>
ETSI OAP 11/08/1999	6 . 4 . 2	<a href="#">get it</a>
ETSI publication 29/12/1999	6 . 4 . 3	<a href="#">get it</a>
NP-05 08/10/1999	6 . 5 . 0	<a href="#">get it</a>
smg-30b 06/12/1999	6 . 6 . 0	<a href="#">get it</a>
NP-06 15/12/1999	6 . 7 . 0	<a href="#">get it</a>
ETSI publication 05/07/2000	6 . 7 . 1	<a href="#">get it</a>
smg-31 16/02/2000	6 . 8 . 0	<a href="#">get it</a>
NP-07 15/03/2000	6 . 9 . 0	<a href="#">get it</a>
ETSI publication 29/09/2000	6 . 9 . 1	<a href="#">get it</a>
smg-31b 17/04/2000	6 . 10 . 0	<a href="#">get it</a>
smg-32 21/06/2000	6 . 11 . 0	<a href="#">get it</a>
GP-01/NP-09 12/10/2000	6 . 12 . 0	<a href="#">get it</a>
edito 02/11/2000	6 . 12 . 1	<a href="#">get it</a>
NP-10 02/01/2001	6 . 13 . 0	<a href="#">get it</a>
GP-04 / NP-11 11/04/2001	6 . 14 . 0	<a href="#">get it</a>
NP-12 05/07/2001	6 . 15 . 0	<a href="#">get it</a>
GP-07 04/01/2002	6 . 16 . 0	<a href="#">get it</a>
NP-14 07/01/2002	6 . 17 . 0	<a href="#">get it</a>
GP-08 19/02/2002	6 . 18 . 0	<a href="#">get it</a>
NP-17 17/09/2002	6 . 19 . 0	<a href="#">get it</a>
NP-18 18/12/2002	6 . 20 . 0	<a href="#">get it</a>
GP-15 10/07/2003	6 . 21 . 0	<a href="#">get it</a>
edito 12/09/2003	6 . 21 . 1	<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>								
R97	current version: 6.0.1	WG (prime / other):	N4 / -	rapporteur:	ANDERSEN, Niels	MOTOROLA A/S			
	freeze_meeting: smg-26				Peter Skov				
	history (event, available, version,	G: yes	U:	MCC:	KYMALAINEN, Kimmo				
	smg-25 20/03/1998 6 . 0 . 0								
	Editorial correction 20/04/1998 6 . 0 . 1	<a href="#">get it</a>						remarks - general:	
		<a href="#">get it</a>						remarks - this release:	
<hr/>									
<b>TS 04.11</b>	<b>Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface</b>								
R97	current version: 6.1.0	WG (prime / other):	N1 / -	rapporteur:	NOBUYUKI, Uda	NTT COMWARE Corporation			
	freeze_meeting: smg-26				JORGENSEN, Per Johan				
	history (event, available, version,	G: yes	U:	MCC:					
	smg-25 20/03/1998 6 . 0 . 0								
	Editorial correction 20/04/1998 6 . 0 . 1	<a href="#">get it</a>						remarks - general:	
	NP-09 12/10/2000 6 . 1 . 0	<a href="#">get it</a>						remarks - this release:	
		<a href="#">get it</a>							
<hr/>									
<b>TS 04.12</b>	<b>Short Message Service Cell Broadcast (SMS-CB) Support on the Mobile Radio Interface</b>								
R97	current version: 6.0.1	WG (prime / other):	G2 / T2	rapporteur:	ANDERSEN, Niels	MOTOROLA A/S			
	freeze_meeting: smg-26				Peter Skov				
	history (event, available, version,	G: yes	U:	MCC:	THOMASEN, Gert				
	smg-27 16/10/1998 6 . 0 . 0								
	Editorial correction 16/11/1998 6 . 0 . 1	<a href="#">get it</a>						remarks - general:	
		<a href="#">get it</a>						remarks - this release: #27: 6.0.0	
<hr/>									
<b>TS 04.13</b>	<b>Performance Requirements on Mobile Radio Interface</b>								
R97	current version: 6.0.1	WG (prime / other):	N1 / -	rapporteur:	PUDNEY, Chris	VODAFONE Group Plc			
	freeze_meeting: smg-26				JORGENSEN, Per Johan				
	history (event, available, version,	G: yes	U:	MCC:					
	smg-27 16/10/1998 6 . 0 . 0								
	Editorial correction 16/10/1998 6 . 0 . 1	<a href="#">get it</a>						remarks - general:	
		<a href="#">get it</a>						remarks - this release: #27: 6.0.0	

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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,</i>								
	smg-27 16/10/1998	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-30 11/11/1999	6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>				
	smg-32 28/06/2000	6 . 2 . 0		<a href="#">get it</a>					
	GP-10 19/07/2002	6 . 3 . 0		<a href="#">get it</a>					
	post GP-10 edito 23/07/2002	6 . 3 . 1	Misplaced figure, clause 5.3.1.	<a href="#">get it</a>					
<hr/>									
<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,</i>								
	smg-27 16/10/1998	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	NP-08 23/06/2000	6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #27: 6.0.0 TSG#8:6.1.0				
<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>								
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,</i>								
	smg-26 26/06/1998	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-27 16/10/1998	6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>				
	NP-06 17/12/1999	6 . 2 . 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>				
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	<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version,</i>				
	smg-25 20/03/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-26 26/06/1998 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-27 16/10/1998 6 . 2 . 0	<a href="#">get it</a>			
	smg-28 12/02/1999 6 . 3 . 0	<a href="#">get it</a>			
	smg-29 25/06/1999 6 . 4 . 0	<a href="#">get it</a>			
	smg-30 11/11/1999 6 . 5 . 0	<a href="#">get it</a>			
	NP-06 17/12/1999 6 . 6 . 0	<a href="#">get it</a>			
	smg-31 16/02/2000 6 . 7 . 0	<a href="#">get it</a>			
	NP-10 02/01/2001 6 . 8 . 0	<a href="#">get it</a>			
	NP-13 02/10/2001 6 . 9 . 0	<a href="#">get it</a>			
	NP-14 04/01/2002 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	<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version,</i>				
	smg-25 20/03/1998 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 26/06/1998 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-27 16/10/1998 6 . 2 . 0	<a href="#">get it</a>			
	smg-28 12/02/1999 6 . 3 . 0	<a href="#">get it</a>			
	smg-29 25/06/1999 6 . 4 . 0	<a href="#">get it</a>			
	smg-30 11/11/1999 6 . 5 . 0	<a href="#">get it</a>			
	NP-06 17/12/1999 6 . 6 . 0	<a href="#">get it</a>			
	smg-31 16/02/2000 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	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>				
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	Editorial correction 16/11/1998 6 . 0 . 1	<a href="#">get it</a>	<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

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Server ACTIVE specs R97 04 .- series  
[http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

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<b>TS 04.68</b>	<b>Group Call Control (GCC) Protocol</b>								
R97	current version: 6.3.0	WG (prime / other):	N1 / -	rapporteur:	GARAPATY, Sonia	Nortel Networks (USA)			
	freeze_meeting: smg-26	G: yes	U:	MCC:	JORGENSEN, Per Johan				
	history (event, available, version,								
	smg-27 16/10/1998	6	.	0	.	0	<a href="#">get it</a>	remarks - general:	
	smg-29 25/06/1998	6	.	1	.	0	<a href="#">get it</a>	remarks - this release:	
	smg-30 11/11/1999	6	.	2	.	0	<a href="#">get it</a>		
	NP-07 17/03/2000	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	current version: 6.3.0	WG (prime / other):	N1 / -	rapporteur:	GARAPATY, Sonia	Nortel Networks (USA)			
	freeze_meeting: smg-26	G: yes	U:	MCC:	JORGENSEN, Per Johan				
	history (event, available, version,								
	smg-27 16/10/1998	6	.	0	.	0	<a href="#">get it</a>	remarks - general:	
	smg-29 25/06/1999	6	.	1	.	0	<a href="#">get it</a>	remarks - this release:	
	smg-30 11/11/1999	6	.	2	.	0	<a href="#">get it</a>		
	NP-07 17/03/2000	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	current version: 6.1.1	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,								
	smg-25 20/03/1998	6	.	0	.	0	<a href="#">get it</a>	remarks - general:	
	smg-26 26/06/1998	6	.	1	.	0	<a href="#">get it</a>	remarks - this release:	
	smg-28 12/02/1999	6	.	1	.	1	<a href="#">get it</a>		

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<b>TS 04.81</b>	<b>Line Identification Supplementary Services; Stage 3</b>								
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,								
	smg-27 16/10/1998	6	.	0	.	0	<a href="#">get it</a>	remarks - general:	
	Editorial correction 16/11/1998	6	.	0	.	1	<a href="#">get it</a>	remarks - this release: #27: 6.0.0	

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**TS 04.82 Call Forwarding (CF) Supplementary Services; Stage 3**

R97 *current version:* 6.0.1  
*freeze\_meeting:* smg-26  
*history (event, available, version,*  
smg-27 16/10/1998 6 . 0 . 0  
Editorial correction 16/11/1998 6 . 0 . 1

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

Gesellschaft für Kommunikations Software

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #27: 6.0.0*

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**TS 04.83 Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 3**

R97 *current version:* 6.0.1  
*freeze\_meeting:* smg-26  
*history (event, available, version,*  
smg-27 16/10/1998 6 . 0 . 0  
Editorial correction 16/11/1998 6 . 0 . 1

*WG (prime / other):* N4 / - *rapporteur:* SHARP, Iain  
*G: yes U:* MCC: KYMALAINEN, Kimmo

NORTEL NETWORKS (EUROPE)

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #27: 6.0.0*

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**TS 04.84 Multi Party (MPTY) Supplementary Services; Stage 3**

R97 *current version:* 6.0.1  
*freeze\_meeting:* smg-26  
*history (event, available, version,*  
smg-27 16/10/1998 6 . 0 . 0  
Editorial correction 16/11/1998 6 . 0 . 1

*WG (prime / other):* N4 / - *rapporteur:* HABERMANN, Steffen  
*G: yes U:* MCC: KYMALAINEN, Kimmo

T-MOBILE DEUTSCHLAND

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #27: 6.0.0*

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**TS 04.85 Closed User Group (CUG) Supplementary Services; Stage 3**

R97 *current version:* 6.0.0  
*freeze\_meeting:* smg-26  
*history (event, available, version,*  
smg-27 16/10/1998 6 . 0 . 0

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

Gesellschaft für Kommunikations Software

[get it](#) *remarks - general:*  
*remarks - this release: #27: 6.0.0*

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**TS 04.86 Advice of Charge (AoC) Supplementary Services; Stage 3**

R97 *current version:* 6.0.1  
*freeze\_meeting:* smg-26  
*history (event, available, version,*  
smg-27 16/10/1998 6 . 0 . 0  
Editorial correction 16/11/1998 6 . 0 . 1

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

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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:	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>				
	smg-25 20/03/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	Editorial correction 20/04/1998 6 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #25: 6.0.0</i>		
<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:	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>				
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	Editorial correction 16/11/1998 6 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>		
<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:	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>				
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	<to be defined> 16/11/1998 6 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>		
<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:	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>				
	smg-25 20/03/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-26 26/06/1998 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release: #25: 6.0.0 #26: 6.1.0 #28:6.1.1</i>		
	smg-28 12/02/1999 6 . 1 . 1	<a href="#">get it</a>			
<hr/>					
<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:	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>				
	smg-25 20/03/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	Editorial correction 20/04/1998 6 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #24: 5.0.0 #25: 6.0.0 (5.0.0 withdrawn)</i>		

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[http://www.3gpp.org/ftp/Specs/archive/05\\_series](http://www.3gpp.org/ftp/Specs/archive/05_series)

## TS 05.03 Channel coding

R97 *current version:* 6.2.1  
*freeze\_meeting:* smg-26  
*history (event, available, version,*

smg-24	19/12/1997	6	.	0	.	0
smg-25	20/03/1998	6	.	1	.	0
smg-28	12/02/1999	6	.	2	.	0
ETSI Publication	12/03/1999	6	.	2	.	1

*WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist  
*G: yes U:* *MCC:* USAI, Paolino

NOKIA Corporation

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #24: 6.0.0 #25: 6.1.0 #28: 6.2.0  
[get it](#)  
[get it](#)

## TS 05.04 Modulation

R97 *current version:* 6.1.1  
*freeze\_meeting:* smg-26  
*history (event, available, version,*

smg-27	16/10/1998	6	.	0	.	0
ETSI publication	09/02/1999	6	.	0	.	1
smg-30b	06/12/1999	6	.	1	.	0
ETSI publication	20/06/2000	6	.	1	.	1

*WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist  
*G: yes U:* *MCC:* USAI, Paolino

NOKIA Corporation

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

## TS 05.05 Radio Transmission and Reception

R97 *current version:* 6.8.0  
*freeze\_meeting:* smg-26  
*history (event, available, version,*

smg-24	19/12/1997	6	.	0	.	0
smg-25	20/03/1998	6	.	1	.	0
smg-26	26/06/1998	6	.	2	.	0
smg-27	16/10/1998	6	.	3	.	0
ETSI publication	09/03/1999	6	.	3	.	1
smg-28	12/02/1999	6	.	4	.	0
ETSI publication	04/06/1999	6	.	4	.	1
smg-29	25/06/1999	6	.	5	.	0
ETSI publication	14/12/1999	6	.	5	.	1
smg-30	11/11/1999	6	.	6	.	0
smg-31	16/02/2000	6	.	7	.	0
ETSI publication	29/09/2000	6	.	7	.	1
GP-01	09/10/2000	6	.	8	.	0

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

R97 current version: 6.9.0

freeze\_meeting: smg-26

history (event, available, version,

smg-24	19/12/1997	6	.	0	.	0
smg-25	20/03/1998	6	.	1	.	0
edito	20/03/1998	6	.	1	.	1
smg-26	26/06/1998	6	.	2	.	0
smg-27	16/10/1998	6	.	3	.	0
ETSI publication	09/03/1999	6	.	3	.	1
smg-28	12/02/1999	6	.	4	.	0
ETSI publication	04/08/1999	6	.	4	.	1
smg-29	25/06/1999	6	.	5	.	0
ETSI publication	04/12/1999	6	.	5	.	1
smg-30	11/11/1999	6	.	6	.	0
smg-30b	06/12/1999	6	.	7	.	0
edito	01/02/2000	6	.	7	.	1
smg-31b	17/04/2000	6	.	8	.	0
ETSI publication		6	.	8	.	1
GP-01	10/10/2000	6	.	9	.	0

WG (prime / other): G1 / - rapporteur: EL-SAIGH, Amer  
G: yes U: MCC: USAI, Paolino

VODAFONE Group Plc

[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

history (event, available, version,

smg-24	19/12/1997	6	.	0	.	0
smg-25	20/03/1998	6	.	1	.	0
smg-26	26/06/1998	6	.	2	.	0
smg-27	16/10/1998	6	.	3	.	0
ETSI publication	09/03/1999	6	.	3	.	1
smg-28	12/02/1999	6	.	4	.	0
ETSI publication	04/08/1999	6	.	4	.	1
smg-29	25/06/1999	6	.	5	.	0
ETSI publication	14/12/1999	6	.	5	.	1
smg-30	11/11/1999	6	.	6	.	0
ETSI publication	29/05/2001	6	.	6	.	1
GP-02	24/11/2000	6	.	7	.	0

WG (prime / other): G1 / - rapporteur: JOKINEN, Harri  
G: yes U: MCC: USAI, Paolino

NOKIA MOBILE PHONES

[get it](#) remarks - general:  
[get it](#) remarks - this release:  
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## TS 05.14 Release independent frequency bands; Implementation guidelines

R97 *current version:* 6.2.0 *WG (prime / other):* G1 / G2 *rapporteur:* KANGAS, Antti NOKIA Corporation  
*freeze\_meeting:* smg-26 *G: yes U:* MCC: USAI, Paolino  
*history (event, available, version,*  
GP-02 05/01/2001 6 . 0 . 0 [get it](#) *remarks - general:* Originally allocated as 09.20. Changed by request of GERAN chair 2000-11-09.  
GP-05 03/01/2002 6 . 1 . 0 [get it](#) *remarks - this release:* Originally allocated as 09.20. Changed by request of GERAN chair 2000-11-09.  
Changed from G2 to G1 at same time.  
R97 record created at same time (originally was only R99 and R98).  
GP-10 19/07/2002 6 . 2 . 0 [get it](#)

## TR 05.22 Radio link management in hierarchical networks

R97 *current version:* 6.0.0 *WG (prime / other):* G1 / - *rapporteur:* VAN BUSSEL, Han T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* smg-26 *G: yes U:* MCC: USAI, Paolino  
*history (event, available, version,*  
smg-27 16/10/1998 6 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #27: 6.0.0

## TR 05.50 Background for RF Requirements

R97 *current version:* 6.1.0 *WG (prime / other):* G1 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* smg-26 *G: yes U:* MCC: Peter Skov USAI, Paolino  
*history (event, available, version,*  
smg-24 19/12/1997 6 . 0 . 0 [get it](#) *remarks - general:*  
smg-31 16/02/2000 6 . 1 . 0 [get it](#) *remarks - this release:* #24: 6.0.0 #31:6.1.0

## TR 05.90 GSM Electromagnetic Compatibility (EMC) considerations

R97 *current version:* 6.0.1 *WG (prime / other):* G1 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*freeze\_meeting:* smg-26 *G: yes U:* MCC: USAI, Paolino  
*history (event, available, version,*  
smg-27 10/04/2001 6 . 0 . 0 [get it](#) *remarks - general:*  
ETSI publication 12/11/2001 6 . 0 . 1 [get it](#) *remarks - this release:* #27: 6.0.0 Withdrawn, since never created. 2001-01-31: GERAN convenor asks for its re-instatement.

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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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<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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI Publication 16/11/1998 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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI Publication 16/11/1998 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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI Publication 16/11/1998 6 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>			
<hr/>						
<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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI Publication 16/11/1998 6 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>			
<hr/>						
<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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	smg-27 16/10/1998 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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## TS 06.10 Full Rate Speech Transcoding

R97 *current version:* 6.2.0  
*freeze\_meeting:* smg-26  
*history (event, available, version,*  
smg-27 16/10/1998 6 . 0 . 0  
smg-32 20/06/2000 6 . 1 . 0  
ETSI Publication 30/11/2000 6 . 1 . 1  
SP-12 29/06/2001 6 . 2 . 0

*WG (prime / other):* S4 / - *rapporteur:* LORENZ, Dietmar  
*G: yes U:* *MCC:* USAI, Paolino

PHILIPS Semiconductors

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

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## TS 06.11 Substitution and Muting of Lost Frames for Full Rate Speech Channels

R97 *current version:* 6.0.1  
*freeze\_meeting:* smg-26  
*history (event, available, version,*  
smg-27 16/10/1998 6 . 0 . 0  
ETSI Publication 16/11/1998 6 . 0 . 1

*WG (prime / other):* S4 / - *rapporteur:* NAVARRO, William  
*G: yes U:* *MCC:* USAI, Paolino

NORTEL NETWORKS (EUROPE)

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #27: 6.0.0*

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## TS 06.12 Comfort Noise Aspects for Full Rate Speech Traffic Channels

R97 *current version:* 6.1.0  
*freeze\_meeting:* smg-26  
*history (event, available, version,*  
smg-27 16/10/1998 6 . 0 . 0  
ETSI Publication 16/11/1998 6 . 0 . 1  
SP-12 29/06/2001 6 . 1 . 0

*WG (prime / other):* S4 / - *rapporteur:* SERENO, Daniele  
*G: yes U:* *MCC:* USAI, Paolino

TELECOM ITALIA S.p.A.

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #27: 6.0.0*  
[get it](#)

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## TS 06.20 Half Rate Speech Transcoding

R97 *current version:* 6.0.1  
*freeze\_meeting:* smg-26  
*history (event, available, version,*  
smg-27 16/10/1998 6 . 0 . 0  
Editorial correction 16/11/1998 6 . 0 . 1

*WG (prime / other):* S4 / - *rapporteur:* AFTELAK, Steve  
*G: yes U:* *MCC:* USAI, Paolino

MOTOROLA Ltd

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #27: 6.0.0*

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## TS 06.21 Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels

R97 *current version:* 6.0.1  
*freeze\_meeting:* smg-26  
*history (event, available, version,*  
smg-27 16/10/1998 6 . 0 . 0  
ETSI Publication 16/11/1998 6 . 0 . 1

*WG (prime / other):* S4 / - *rapporteur:* AFTELAK, Steve  
*G: yes U:* *MCC:* USAI, Paolino

MOTOROLA Ltd

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[get it](#) *remarks - this release: #27: 6.0.0*

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<b>TS 06.22</b>	<b>Comfort Noise Aspects for Half Rate Speech Traffic Channels</b>					
R97	current version: 6.0.1	WG (prime / other):	S4 / -	rapporteur:	AFTELAK, Steve	MOTOROLA Ltd
	freeze_meeting: smg-26	G: yes U:		MCC:	USAI, Paolino	
	history (event, available, version,					
	smg-27 16/10/1998 6 . 0 . 0			<a href="#">get it</a>	remarks - general:	
	ETSI Publication 16/11/1998 6 . 0 . 1			<a href="#">get it</a>	remarks - this release: #27: 6.0.0	
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<b>TS 06.31</b>	<b>Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels</b>					
R97	current version: 6.0.1	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,					
	smg-27 16/10/1998 6 . 0 . 0			<a href="#">get it</a>	remarks - general:	
	ETSI Publication 16/11/1998 6 . 0 . 1			<a href="#">get it</a>	remarks - this release: #27: 6.0.0	
<hr/>						
<b>TS 06.32</b>	<b>Voice Activity Detection (VAD)</b>					
R97	current version: 6.0.1	WG (prime / other):	S4 / -	rapporteur:	BARRETT, Paul	Indicate persons who left Company and wait for new One
	freeze_meeting: smg-26	G: yes U:		MCC:	USAI, Paolino	
	history (event, available, version,					
	smg-27 16/10/1998 6 . 0 . 0			<a href="#">get it</a>	remarks - general:	
	ETSI Publication 16/11/1998 6 . 0 . 1			<a href="#">get it</a>	remarks - this release: #27: 6.0.0	
<hr/>						
<b>TS 06.41</b>	<b>Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels</b>					
R97	current version: 6.0.1	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,					
	smg-27 16/10/1998 6 . 0 . 0			<a href="#">get it</a>	remarks - general:	
	ETSI Publication 16/11/1998 6 . 0 . 1			<a href="#">get it</a>	remarks - this release: #27: 6.0.0	
<hr/>						
<b>TS 06.42</b>	<b>Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels</b>					
R97	current version: 6.0.1	WG (prime / other):	S4 / -	rapporteur:	BARRETT, Paul	Indicate persons who left Company and wait for new One
	freeze_meeting: smg-26	G: yes U:		MCC:	USAI, Paolino	
	history (event, available, version,					
	smg-27 16/10/1998 6 . 0 . 0			<a href="#">get it</a>	remarks - general:	
	ETSI Publication 16/11/1998 6 . 0 . 1			<a href="#">get it</a>	remarks - this release: #27: 6.0.0	

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<b>TS 06.51</b>	<b>GSM Enhanced full rate speech processing functions: General description</b>					
R97	current version: 6.2.0	WG (prime / other):	S4 / -	rapporteur:	JÄRVINEN, Kari	NOKIA Corporation
	freeze_meeting: smg-26	G: yes U:		MCC:	USAI, Paolino	
	history (event, available, version,					
	smg-27 16/10/1998 6 . 0 . 0			<a href="#">get it</a>	remarks - general:	
	ETSI publication 04/06/1999 6 . 0 . 1			<a href="#">get it</a>	remarks - this release: #27: 6.0.0 #32:6.1.0 TSG#10:6.2.0	
	smg-32 20/06/2000 6 . 1 . 0			<a href="#">get it</a>		
	ETSI publication 30/11/2000 6 . 1 . 1			<a href="#">get it</a>		
	SP-10 20/12/2000 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	current version: 6.0.1	WG (prime / other):	S4 / -	rapporteur:	JÄRVINEN, Kari	NOKIA Corporation
	freeze_meeting: smg-26	G: yes U:		MCC:	USAI, Paolino	
	history (event, available, version,					
	smg-27 16/10/1998 6 . 0 . 0			<a href="#">get it</a>	remarks - general:	
	ETSI Publication 16/11/1998 6 . 0 . 1			<a href="#">get it</a>	remarks - this release:	

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<b>TS 06.54</b>	<b>Test sequences for the GSM Enhanced Full Rate (EFR)</b>					
R97	current version: 6.2.0	WG (prime / other):	S4 / -	rapporteur:	JÄRVINEN, Kari	NOKIA Corporation
	freeze_meeting: smg-26	G: yes U:		MCC:	USAI, Paolino	
	history (event, available, version,					
	smg-27 16/10/1998 6 . 0 . 0			<a href="#">get it</a>	remarks - general:	
	ETSI publication 01/09/1999 6 . 0 . 1			<a href="#">get it</a>	remarks - this release:	
	smg-32 20/06/2000 6 . 1 . 0			<a href="#">get it</a>		
	SP-10 20/12/2000 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	current version: 6.0.0	WG (prime / other):	S4 / -	rapporteur:	SALEM, Tarek	T-MOBILE DEUTSCHLAND
	freeze_meeting: smg-26	G: yes U:		MCC:	USAI, Paolino	
	history (event, available, version,					
	smg-27 16/10/1998 6 . 0 . 0			<a href="#">get it</a>	remarks - general:	
					remarks - this release: #27: 6.0.0	

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<b>TS 06.60</b>	<b>Enhanced full rate speech transcoding</b>					
R97	current version: 6.0.1	WG (prime / other):	S4 / -	rapporteur:	JÄRVINEN, Kari	NOKIA Corporation
	freeze_meeting: smg-26	G: yes U:		MCC:	USAI, Paolino	
	history (event, available, version,					
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>		remarks - general:		
	ETSI Publication 16/11/1998 6 . 0 . 1	<a href="#">get it</a>		remarks - this release: #27: 6.0.0		
<hr/>						
<b>TS 06.61</b>	<b>Substitution and muting of lost frames for enhanced full rate speech traffic channels</b>					
R97	current version: 6.0.1	WG (prime / other):	S4 / -	rapporteur:	JÄRVINEN, Kari	NOKIA Corporation
	freeze_meeting: smg-26	G: yes U:		MCC:	USAI, Paolino	
	history (event, available, version,					
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>		remarks - general:		
	ETSI Publication 16/11/1998 6 . 0 . 1	<a href="#">get it</a>		remarks - this release: #27: 6.0.0		
<hr/>						
<b>TS 06.62</b>	<b>Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels</b>					
R97	current version: 6.0.1	WG (prime / other):	S4 / -	rapporteur:	JÄRVINEN, Kari	NOKIA Corporation
	freeze_meeting: smg-26	G: yes U:		MCC:	USAI, Paolino	
	history (event, available, version,					
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>		remarks - general:		
	ETSI Publication 04/06/1999 6 . 0 . 1	<a href="#">get it</a>		remarks - this release: #27: 6.0.0		
<hr/>						
<b>TS 06.81</b>	<b>Discontinuous Transmission (DTX) for enhanced full rate speech traffic channels</b>					
R97	current version: 6.1.1	WG (prime / other):	S4 / -	rapporteur:	JÄRVINEN, Kari	NOKIA Corporation
	freeze_meeting: smg-26	G: yes U:		MCC:	USAI, Paolino	
	history (event, available, version,					
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>		remarks - general:		
	smg-30 11/11/1999 6 . 1 . 0	<a href="#">get it</a>		remarks - this release: #27: 6.0.0 #30: 6.1.0		
	ETSI Publication 09/05/2000 6 . 1 . 1	<a href="#">get it</a>				
<hr/>						
<b>TS 06.82</b>	<b>Voice Activity Detection (VAD) for enhanced full rate speech traffic channels</b>					
R97	current version: 6.0.1	WG (prime / other):	S4 / -	rapporteur:	JÄRVINEN, Kari	NOKIA Corporation
	freeze_meeting: smg-26	G: yes U:		MCC:	USAI, Paolino	
	history (event, available, version,					
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>		remarks - general:		
	ETSI Publication 16/11/1998 6 . 0 . 1	<a href="#">get it</a>		remarks - this release: #27: 6.0.0		

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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,*  
smg-27 16/10/1998 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,*  
smg-27 16/10/1998 6 . 0 . 0 [get it](#) *remarks - general:*  
smg-29 25/06/1999 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,*  
smg-26 26/06/1998 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,*  
smg-26 26/06/1998 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,*  
smg-27 16/10/1998 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,*  
smg-25 20/03/1998 6 . 0 . 0 [get it](#) *remarks - general:*  
smg-26 26/06/1998 6 . 1 . 0 [get it](#) *remarks - this release:*  
smg-27 16/10/1998 6 . 2 . 0 [get it](#)  
smg-29 25/06/1999 6 . 3 . 0 [get it](#)  
TP-05 08/10/1999 6 . 4 . 0 [get it](#)  
TP-11 06/04/2001 6 . 5 . 0 [get it](#)

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**TS 07.10 Terminal Equipment to Mobile Station (TEMS) 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,*  
smg-24 19/01/1998 2 . 0 . 0 [get it](#) *remarks - general:*  
draft 10/03/1998 2 . 2 . 0 [get it](#) *remarks - this release:*  
smg-25 20/03/1998 6 . 0 . 0 [get it](#)  
smg-26 26/06/1998 6 . 1 . 0 [get it](#)  
smg-27 16/10/1998 6 . 2 . 0 [get it](#)  
smg-28 12/02/1999 6 . 3 . 0 [get it](#)  
TP-05 08/10/1999 6 . 4 . 0 [get it](#)  
TP-15 26/03/2002 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: WILD, Johanna MOTOROLA Ltd  
freeze\_meeting: smg-26 G: yes U: MCC: BOSWARTHICK, David

history (event, available, version,

smg-25 20/03/1998 6 . 0 . 0  
smg-26 26/06/1998 6 . 1 . 0  
smg-27 16/10/1998 6 . 2 . 0  
smg-29 25/06/1999 6 . 3 . 0  
NP-05 08/10/1999 6 . 4 . 0  
NP-06 15/12/1999 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 MOTOROLA A/S  
freeze\_meeting: smg-26 G: yes U: MCC: THOMASEN, Gert

history (event, available, version,

smg-27 16/10/1998 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 MOTOROLA A/S  
freeze\_meeting: smg-26 G: yes U: MCC: THOMASEN, Gert

history (event, available, version,

smg-27 16/10/1998 6 . 0 . 0

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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	current version: 6.0.0 freeze_meeting: smg-26	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	history (event, available, version, smg-27 16/10/1998 6 . 0 . 0	G: yes U:	MCC: THOMASEN, Gert		
		<a href="#">get it</a>	remarks - general: remarks - this release:		
<hr/>					
<b>TS 08.06</b>	<b>Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface</b>				
R97	current version: 6.0.0 freeze_meeting: smg-26	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	history (event, available, version, smg-27 16/10/1998 6 . 0 . 0	G: yes U:	MCC: THOMASEN, Gert		
		<a href="#">get it</a>	remarks - general: remarks - this release:		
<hr/>					
<b>TS 08.08</b>	<b>Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification</b>				
R97	current version: 6.5.0 freeze_meeting: smg-31b	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	history (event, available, version, smg-31b 17/04/2000 6 . 5 . 0	G: yes U:	MCC: THOMASEN, Gert		
		<a href="#">get it</a>	remarks - general: remarks - this release:		
<hr/>					
<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	current version: 6.0.0 freeze_meeting: smg-26	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	history (event, available, version, smg-25 20/03/1998 6 . 0 . 0	G: yes U:	MCC: THOMASEN, Gert		
		<a href="#">get it</a>	remarks - general: remarks - this release:		

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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	current version: 6.3.0 freeze_meeting: smg-26	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov THOMASEN, Gert	MOTOROLA A/S	
	history (event, available, version,	G: yes U:	MCC:		
	smg-25 20/03/1998 6 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	smg-26 26/06/1998 6 . 1 . 0	<a href="#">get it</a>	remarks - this release:		
	smg-28 12/02/1999 6 . 2 . 0	<a href="#">get it</a>			
	smg-29 25/06/1999 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	current version: 6.8.0 freeze_meeting: smg-26	WG (prime / other): G2 / -	rapporteur: BLACK, Jyoti THOMASEN, Gert	MOTOROLA	
	history (event, available, version,	G: yes U:	MCC:		
	smg-25 20/03/1998 6 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	smg-26 26/06/1998 6 . 1 . 0	<a href="#">get it</a>	remarks - this release:		
	smg-27 16/10/1998 6 . 2 . 0	<a href="#">get it</a>			
	smg-28 12/02/1999 6 . 3 . 0	<a href="#">get it</a>			
	smg-29 25/06/1999 6 . 4 . 0	<a href="#">get it</a>			
	smg-30 11/11/1999 6 . 5 . 0	<a href="#">get it</a>			
	smg-31 16/02/2000 6 . 7 . 0	<a href="#">get it</a>			
	ETSI Publication 16/03/2000 6 . 7 . 1	<a href="#">get it</a>			
	GP-05 18/06/2001 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	current version: 6.1.0 freeze_meeting: smg-26	WG (prime / other): N3 / -	rapporteur: RÄSÄNEN, Juha BOSWARTHICK, David	NOKIA Corporation	
	history (event, available, version,	G: yes U:	MCC:		
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	NP-11 04/04/2001 6 . 1 . 0	<a href="#">get it</a>	remarks - this release:		

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<b>TS 08.51</b>	<b>Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects</b>				
R97	current version: 6.0.0 freeze_meeting: smg-26	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov THOMASEN, Gert	MOTOROLA A/S	
	history (event, available, version,	G: yes U:	MCC:		
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	remarks - general:		
			remarks - this release:		

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<b>TS 08.52</b>	<b>Base Station Controller - Base Transceiver Station (BSC-BTS) Interface - Interface Principles</b>				
R97	current version: 6.0.0 freeze_meeting: smg-26	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	history (event, available, version, smg-27 16/10/1998 6 . 0 . 0	G: yes U:	MCC: THOMASEN, Gert		
		<a href="#">get it</a>	remarks - general: remarks - this release:		
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<b>TS 08.54</b>	<b>BSC-BTS Layer 1; Structure of Physical Circuits</b>				
R97	current version: 6.0.0 freeze_meeting: smg-26	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	history (event, available, version, smg-27 16/10/1998 6 . 0 . 0	G: yes U:	MCC: THOMASEN, Gert		
		<a href="#">get it</a>	remarks - general: remarks - this release:		
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<b>TS 08.56</b>	<b>BSC-BTS Layer 2; Specification</b>				
R97	current version: 6.0.0 freeze_meeting: smg-26	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	history (event, available, version, smg-27 16/10/1998 6 . 0 . 0	G: yes U:	MCC: THOMASEN, Gert		
		<a href="#">get it</a>	remarks - general: remarks - this release:		
<hr/>					
<b>TS 08.58</b>	<b>Base Station Controller - Base Transceiver Station (BSC-BTS) Interface Layer 3 Specification</b>				
R97	current version: 6.3.0 freeze_meeting: smg-26	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	history (event, available, version, smg-25 20/03/1998 6 . 0 . 0 smg-28 12/02/1999 6 . 1 . 0 smg-29 25/06/1999 6 . 2 . 0 smg-30 11/11/1999 6 . 3 . 0	G: yes U:	MCC: THOMASEN, Gert		
		<a href="#">get it</a>	remarks - general: remarks - this release: #25: 6.0.0 #28: 6.1.0 #29: 6.2.0 #30: 6.3.0		
		<a href="#">get it</a>			
		<a href="#">get it</a>			
		<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**  
R97 *current version:* 6.0.1 *WG (prime / other):* G1 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* smg-26 G: yes U: *MCC:* USAI, Paolino

*history (event, available, version,*  
smg-27 16/10/1998 6 . 0 . 0 [get it](#) *remarks - general:* 2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.  
ETSI Publication 16/11/1998 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 MOTOROLA A/S  
*freeze\_meeting:* smg-26 G: yes U: *MCC:* USAI, Paolino

*history (event, available, version,*  
smg-27 18/10/1998 6 . 0 . 0 [get it](#) *remarks - general:* 2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.  
ETSI Publication 18/11/1998 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,*  
smg-27 16/10/1998 6 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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Server ACTIVE specs R97 09 .- series  
[http://www.3gpp.org/ftp/Specs/archive/09\\_series](http://www.3gpp.org/ftp/Specs/archive/09_series)

## TS 09.02 Mobile Application Part (MAP) Specification

R97 *current version:* 6.13.0  
*freeze\_meeting:* smg-26  
*history (event, available, version,*

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

Gesellschaft für Kommunikations Software

smg-25 20/03/1998 6 . 0 . 0  
smg-26 26/06/1998 6 . 1 . 0  
edito 09/09/1998 6 . 1 . 1  
smg-27 16/10/1998 6 . 2 . 0  
smg-28 12/02/1999 6 . 3 . 0  
smg-29 25/06/1999 6 . 4 . 0  
NP-05 08/10/1999 6 . 5 . 0  
NP-06 15/12/1999 6 . 6 . 0  
NP-07 15/03/2000 6 . 7 . 0  
NP-08 21/06/2000 6 . 8 . 0  
NP-09 08/11/2000 6 . 9 . 0  
NP-10 21/12/2000 6 . 10 . 0  
NP-11 06/04/2001 6 . 11 . 0  
NP-15 04/04/2002 6 . 12 . 0  
NP-19 07/04/2003 6 . 13 . 0

[get it](#) *remarks - general:* CN->N4 Apr00 (JMM)  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[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

R97 *current version:* Network (PLMN)  
ETSI Secretariat

6.0.0 *WG (prime / other):* N3 /- *rapporteur:* BOSWARTHICK, David

*freeze\_meeting:* smg-26  
*history (event, available, version,*

*G: yes U:* *MCC:* BOSWARTHICK, David

smg-27 16/10/1998 6 . 0 . 0

[get it](#) *remarks - general:* N3: "no R99 needed".  
*remarks - this release:* #27: 6.0.0

## TS 09.04 Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)

R97 *current version:* 6.0.0  
*freeze\_meeting:* smg-26

*WG (prime / other):* N3 /- *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*G: yes U:* *MCC:* BOSWARTHICK, David

*history (event, available, version,*  
smg-27 16/10/1998 6 . 0 . 0

[get it](#) *remarks - general:* N3: "no R99 needed".  
*remarks - this release:* #27: 6.0.0

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<b>TS 09.05</b>	<b>Interworking between the PLMN and the PSPDN for PAD Access</b>								
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, smg-27 16/10/1998 6 . 0 . 0						<a href="#">get it</a>	remarks - general: N3: "no R99 needed". remarks - this release: #27: 6.0.0	
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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>								
R97	current version: Switched Data Transmission Services	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, smg-27 16/10/1998 6 . 0 . 0						<a href="#">get it</a>	remarks - general: N3: "no R99 needed". remarks - this release: #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	current version: Network (PSTN)	6.2.0	WG (prime / other):	N3	/-	rapporteur:	KLEHN, Norbert		
SIEMENS AG									
	freeze_meeting: smg-26	G: yes	U:	MCC:	BOSWARTHICK, David				
	history (event, available, version, smg-27 16/10/1998 6 . 0 . 0 smg-29 25/06/1999 6 . 1 . 0 NP-06 15/12/1999 6 . 2 . 0						<a href="#">get it</a>	remarks - general: <a href="#">get it</a> remarks - this release: #27: 6.0.0 #29: 6.1.0 N#6: 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	current version: 6.0.0	WG (prime / other):	N1 / -	rapporteur:	FARHOUMAND,	Ericsson Incorporated			
	freeze_meeting: smg-26	G: yes	U:	MCC:	Rouzbeh JORGENSEN, Per Johan				
	history (event, available, version, smg-27 16/10/1998 6 . 0 . 0						<a href="#">get it</a>	remarks - general: remarks - this release: #27: 6.0.0	

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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>								
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,</i>								
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	smg-29 25/06/1999 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 04/04/2001 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,</i>								
	smg-26 26/06/1998 6 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i>		
							<i>remarks - this release: #26: 6.0.0</i>		
<hr/>									
<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,</i>								
	smg-27 16/10/1998 6 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i>		
							<i>remarks - this release:</i>		
<hr/>									
<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>	MILLS, Duncan	VODAFONE Group Plc	
	<i>freeze_meeting: smg-26</i>		G: yes	U:		MCC:	JORGENSEN, Per Johan		
	<i>history (event, available, version,</i>								
	smg-25 20/03/1998 6 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-28 12/02/1999 6 . 1 . 0					<a href="#">get it</a>	<i>remarks - this release:</i>		

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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	current version: 6.7.0
	freeze_meeting: smg-26
	WG (prime / other): N1 / -
	rapporteur: MILLS, Duncan
	VODAFONE Group Plc
	G: yes U:
	MCC: JORGENSEN, Per Johan
history (event, available, version,	
smg-25 20/02/1998 6 . 0 . 0	<a href="#">get it</a> remarks - general:
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smg-27 16/10/1998 6 . 2 . 0	<a href="#">get it</a>
smg-28 12/02/1999 6 . 3 . 0	<a href="#">get it</a>
smg-29 25/06/1999 6 . 4 . 0	<a href="#">get it</a>
NP-05 08/10/1999 6 . 5 . 0	<a href="#">get it</a>
NP-07 15/03/2000 6 . 6 . 0	<a href="#">get it</a>
NP-14 04/01/2002 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	current version: 6.13.0
	freeze_meeting: smg-26
	WG (prime / other): N4 / -
	rapporteur: KYMALAINEN, Kimmo
	TeliaSonera AB
	G: yes U:
	MCC: KYMALAINEN, Kimmo
history (event, available, version,	
smg-25 20/03/1998 6 . 0 . 0	<a href="#">get it</a> remarks - general:
smg-26 26/06/1998 6 . 1 . 0	<a href="#">get it</a> remarks - this release:
smg-27 16/10/1998 6 . 2 . 0	<a href="#">get it</a>
smg-28 12/02/1999 6 . 3 . 0	<a href="#">get it</a>
smg-29 25/06/1999 6 . 4 . 0	<a href="#">get it</a>
ETSI publication 03/11/1999 6 . 4 . 1	<a href="#">get it</a>
NP-05 08/10/1999 6 . 5 . 0	<a href="#">get it</a>
NP-06 15/12/1999 6 . 6 . 0	<a href="#">get it</a>
ETSI publication 05/07/2000 6 . 6 . 1	<a href="#">get it</a>
NP-07 15/03/2000 6 . 7 . 0	<a href="#">get it</a>
ETSI publication 6 . 7 . 1	
NP-08 21/06/2000 6 . 8 . 0	<a href="#">get it</a>
ETSI publication 6 . 8 . 1	
NP-09 31/10/2000 6 . 9 . 0	<a href="#">get it</a>
NP-11 20/04/2001 6 . 10 . 0	<a href="#">get it</a>
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NP-13 03/10/2001 6 . 11 . 0	<a href="#">get it</a>
NP-16 21/06/2002 6 . 12 . 0	<a href="#">get it</a>
NP-18 07/01/2003 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	current version: 6.10.0	WG (prime / other): N3 / -	rapporteur: WILD, Johanna	MOTOROLA Ltd	
	freeze_meeting: smg-26	G: yes U:	MCC: BOSWARTHICK, David		
history (event, available, version,					
smg-25	20/03/1998	6 . 0 . 0	<a href="#">get it</a>	remarks - general:	
smg-26		6 . 1 . 0		remarks - this release:	not issued, w/proc compatibility probs
smg-26	26/06/1998	6 . 2 . 0	<a href="#">get it</a>		
smg-27	16/10/1998	6 . 3 . 0	<a href="#">get it</a>		
smg-30	11/11/1999	6 . 4 . 0	<a href="#">get it</a>		
NP-13	12/10/2001	6 . 5 . 0	<a href="#">get it</a>		
NP-14	14/01/2002	6 . 6 . 0	<a href="#">get it</a>		
NP-15	20/03/2002	6 . 7 . 0	<a href="#">get it</a>		
NP-16	02/07/2002	6 . 8 . 0	<a href="#">get it</a>		
NP-18	09/01/2003	6 . 9 . 0	<a href="#">get it</a>		
NP-19	27/03/2003	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	current version: 6.5.0	WG (prime / other): N2 / -	rapporteur: NOLDUS, Rogier	Telefon AB LM Ericsson	
	freeze_meeting: smg-26	G: yes U:	MCC: JURISIC, Andrijana		
history (event, available, version,					
smg-25	20/03/1998	6 . 0 . 0	<a href="#">get it</a>	remarks - general:	
smg-26	26/06/1998	6 . 1 . 0	<a href="#">get it</a>	remarks - this release:	
smg-27	16/10/1998	6 . 2 . 0	<a href="#">get it</a>		
smg-28	12/02/1999	6 . 3 . 0	<a href="#">get it</a>		
smg-29	25/06/1999	6 . 4 . 0	<a href="#">get it</a>		
NP-08	21/06/2000	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	current version: 6.1.1	WG (prime / other): N1 / -	rapporteur: ANDERSEN, Niels	MOTOROLA A/S	
	freeze_meeting: smg-24	G: yes U:	MCC: JORGENSEN, Per Johan		
history (event, available, version,					
smg-27		6 . 0 . 0		remarks - general:	withdrawn SMG-30; ; reinstated NP-16
NP-16	26/06/2002	6 . 1 . 0	<a href="#">get it</a>	remarks - this release:	2002-05-02 (Hietalahti): Anticipate resurrection as null document pointing to latest Release version.
edito post NP-18	16/12/2002	6 . 1 . 1	<a href="#">get it</a>		minor editorials to change style from TS to TR.

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**TR 09.95 Interworking between modified PLMN supporting GPRS and legacy GPRS mobiles**

R97  
current version: 6.3.0  
freeze\_meeting: GP-04  
WG (prime / other): G1 / - rapporteur: ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
G: yes U: MCC: USAI, Paolino

history (event, available, version,  
GP-04 20/04/2001 6 . 0 . 0 [get it](#) remarks - general:  
GP-07 04/01/2002 6 . 1 . 0 [get it](#) remarks - this release:  
GP-08 19/02/2002 6 . 2 . 0 [get it](#)  
GP-12 03/01/2003 6 . 3 . 0 [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  
freeze\_meeting: smg-26  
WG (prime / other): N4 / - rapporteur: WIEHE, Ulrich Gesellschaft für Kommunikations Software  
G: yes U: MCC: KYMALAINEN, Kimmo

history (event, available, version,  
smg-28 12/02/1999 6 . 0 . 0 [get it](#) remarks - general:  
NP-05 08/10/1999 6 . 1 . 0 [get it](#) remarks - this release: #28: 6.0.0 TSG#5:6.1.0

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

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Server ACTIVE specs R97 11 .- series  
[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**

R97 *current version:* 6.4.0 *WG (prime / other):* G3ne / S1 / rapporteur: SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* smg-26 NP / T2 / SCP

G: yes U: MCC: CLAYTON, Michael

*history (event, available, version,*

smg-28 12/02/1999 6 . 0 . 0 [get it](#)

smg-29 25/06/1999 6 . 1 . 0 [get it](#)

replaced by Rel-5 equivalent. 2001-11-19: G4->G5.

smg-30 11/11/1999 6 . 2 . 0 [get it](#)

smg-31 16/02/2000 6 . 3 . 0 [get it](#)

Editorial correction 16/02/2000 6 . 3 . 1 [get it](#)

GP-06 06/09/2001 6 . 4 . 0 [get it](#)

*remarks - general:* R99 version now serves all releases. Earlier releases closed.. Subsequently  
*remarks - this release:* #31bis: closed (R99 version serves all releases) GP-06: Rel-4 serves all releases.

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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: DIETZE, Claus

*history (event, available, version,*

smg-25 20/03/1998 6 . 0 . 0 [get it](#)

smg-26 26/06/1998 6 . 1 . 0 [get it](#)

smg-28 12/02/1999 6 . 2 . 0 [get it](#)

smg-32 16/03/2000 6 . 3 . 0 [get it](#)

smg-31 16/02/2000 6 . 3 . 0 [get it](#)

*remarks - general:*  
*remarks - this release:* #32:frozen

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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: DIETZE, Claus

*history (event, available, version,*

smg-25 20/03/1998 6 . 0 . 0 [get it](#)

smg-26 26/06/1998 6 . 1 . 0 [get it](#)

smg-28 12/02/1999 6 . 2 . 0 [get it](#)

smg-32 16/03/2000 6 . 3 . 0 [get it](#)

smg-31 16/02/2000 6 . 3 . 0 [get it](#)

*remarks - general:*  
*remarks - this release:* #32:frozen

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

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Server ACTIVE specs R97 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  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* DIETZE, Claus One

*history (event, available, version,*  
smg-25 20/03/1998 6 . 0 . 0 [get it](#) *remarks - general:*  
smg-26 26/06/1998 6 . 1 . 0 [get it](#) *remarks - this release:* (smg-31:6.4.0 but CR later withdrawn)  
smg-27 16/10/1998 6 . 2 . 0 [get it](#)  
smg-28 12/02/1999 6 . 3 . 0 [get it](#)

---

**TS 11.26 Base Station System (BSS) equipment specification; Part 4: Repeaters**  
R97 *current version:* 6.0.1 *WG (prime / other):* G1 / - *rapporteur:* VACANT,  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version,*  
GP-09 06/05/2002 6 . 0 . 0 [get it](#) *remarks - general:*  
edito (correction of version on 18/06/2002 6 . 0 . 1 [get it](#) *remarks - this release:* 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,*  
smg-27 16/10/1998 6 . 0 . 0 [get it](#) *remarks - general:*  
smg-28 12/02/1999 6 . 1 . 0 [get it](#) *remarks - this release:*

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

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Server ACTIVE specs R97 12 .- series  
[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 / GP	<i>rapporteur:</i> TOVINGER, Thomas	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version,</i>					
	smg-26 26/06/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-27 16/10/1998 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-28 12/02/1999 6 . 2 . 0	<a href="#">get it</a>				
	smg-29 25/06/1999 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	G: yes U:	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version,</i>					
	smg-27 16/10/1998 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-28 12/02/1999 6 . 2 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-18 07/01/2003 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	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	GP-09 06/05/2002 6 . 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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## 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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G = required in systems with GERAN acces; U = required in systems with UMTS

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<b>TS 01.01</b>	<b>Technical Specifications and Technical Reports for a GERAN-based 3GPP system</b>								
R96	current version: 5.0.0	WG (prime / other):	SP / -	rapporteur:	MEREDITH, John M	ETSI Secretariat			
	freeze_meeting:	G: yes	U:	MCC:	POPE, Maurice				
	history (event, available, version,								
	SP-20 25/06/2003 5 . 0 . 0								
		<a href="#">get it</a>		remarks - general:	post-SP-19: title changed from "GSM Release 1999 Specifications" to cater for				
				remarks - this release:	. backwards extension to earlier releases.				
<hr/>									
<b>TS 01.02</b>	<b>General Description of a GSM Public Land Mobile Network (PLMN)</b>								
R96	current version: 5.0.0	WG (prime / other):	S1 / GP /	rapporteur:	JORGENSEN, Niels H.	TDC TELE DANMARK A/S			
	freeze_meeting: smg-22		NP	MCC:	CLAYTON, Michael				
	history (event, available, version,	G: yes	U:						
	smg-17 02/02/1996 5 . 0 . 0								
		<a href="#">get it</a>		remarks - general:					
				remarks - this release:					
<hr/>									
<b>TR 01.04</b>	<b>Abbreviations and acronyms</b>								
R96	current version: 5.0.2	WG (prime / other):	GP / -	rapporteur:	CLAYTON, Michael	EMCOM Ltd			
	freeze_meeting: smg-22	G: yes	U:	MCC:	USAI, Paolino				
	history (event, available, version,								
	smg-17 02/02/1996 5 . 0 . 0								
	smg-20 11/10/1996 5 . 0 . 1								
	ETSI publication 30/10/2001 5 . 0 . 2								
		<a href="#">get it</a>		remarks - general:					
		<a href="#">get it</a>		remarks - this release:					
		<a href="#">get it</a>							
<hr/>									
<b>TS 01.48</b>	<b>ISDN-based DECT/GSM interworking; Feasibility study</b>								
R96	current version: 5.0.1	WG (prime / other):	S1 / -	rapporteur:	GRAETZ, Ingeborg	SIEMENS AG			
	freeze_meeting: smg-22	G: yes	U:	MCC:	CLAYTON, Michael				
	history (event, available, version,								
	smg-19 28/06/1996 5 . 0 . 0								
	smg-20 11/11/1996 5 . 0 . 1								
		<a href="#">get it</a>		remarks - general:					
		<a href="#">get it</a>		remarks - this release:					

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R96

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	current version: 5.5.0	WG (prime / other): S1 / -	rapporteur: KOKKOLA, Tommi	NOKIA Corporation		
	freeze_meeting: smg-22	G: yes U:	MCC: CLAYTON, Michael			
	history (event, available, version,					
	smg-16 20/10/1995 5 . 0 . 0	<a href="#">get it</a>	remarks - general:			
	smg-17 02/02/1996 5 . 1 . 0	<a href="#">get it</a>	remarks - this release:			
	smg-20 11/10/1996 5 . 2 . 0	<a href="#">get it</a>				
	smg-24 19/12/1997 5 . 3 . 0	<a href="#">get it</a>				
	smg-26 26/06/1998 5 . 4 . 0	<a href="#">get it</a>				
	smg-29 25/06/1999 5 . 5 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 02.02</b>	<b>Bearer Services (BS) Supported by a GSM Public Land Mobile Network (PLMN)</b>					
R96	current version: 5.3.2	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,					
	smg-16 20/10/1995 5 . 0 . 0	<a href="#">get it</a>	remarks - general:			
	smg-18 12/04/1996 5 . 1 . 0	<a href="#">get it</a>	remarks - this release:			
	smg-20 11/10/1996 5 . 2 . 0	<a href="#">get it</a>				
	ETSI publication 02/05/1997 5 . 2 . 1	<a href="#">get it</a>				
	smg-22 13/06/1997 5 . 3 . 0	<a href="#">get it</a>				
	ETSI OAP 21/07/1997 5 . 3 . 1	<a href="#">get it</a>				
	ETSI publication 31/12/1997 5 . 3 . 2	<a href="#">get it</a>				
<hr/>						
<b>TS 02.03</b>	<b>Teleservices Supported by a GSM Public Land Mobile Network (PLMN)</b>					
R96	current version: 5.3.2	WG (prime / other): S1 / -	rapporteur: CONRAD, Alan	T-MOBILE DEUTSCHLAND		
	freeze_meeting: smg-22	G: yes U:	MCC: CLAYTON, Michael			
	history (event, available, version,					
	smg-17 02/02/1997 5 . 0 . 0	<a href="#">get it</a>	remarks - general:			
	smg-19 28/06/1996 5 . 1 . 0	<a href="#">get it</a>	remarks - this release:			
	smg-20 11/10/1996 5 . 1 . 1	<a href="#">get it</a>				
	ETSI publication 02/05/1997 5 . 1 . 2	<a href="#">get it</a>				
	smg-21 14/02/1997 5 . 2 . 0	<a href="#">get it</a>				
	ETSI publication 26/08/1997 5 . 2 . 1	<a href="#">get it</a>				
	smg-22 13/06/1997 5 . 3 . 0	<a href="#">get it</a>				
	ETSI OAP 21/07/1997 5 . 3 . 1	<a href="#">get it</a>				
	ETSI publication 14/01/1998 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



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[http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

## TS 02.04 General on Supplementary Services

R96 *current version:* 5.7.4  
*freeze\_meeting:* smg-22  
*history (event, available, version,*

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

Research In Motion Limited

smg-16 20/10/1995 5 . 0 . 0  
smg-17 02/02/1996 5 . 1 . 0  
smg-18 14/04/1996 5 . 2 . 0  
smg-19 28/06/1996 5 . 3 . 0  
smg-20 11/10/1996 5 . 4 . 0  
ETSI publication 02/05/1997 5 . 4 . 1  
smg-21 14/02/1997 5 . 5 . 0  
ETSI publication 28/08/1997 5 . 5 . 1  
smg-22 13/06/1997 5 . 6 . 0  
ETSI OAP 19/09/1997 5 . 6 . 1  
ETSI publication 27/02/1998 5 . 6 . 2  
smg-23 17/10/1997 5 . 7 . 0  
smg-25 20/03/1998 5 . 7 . 1  
ETSI publication 01/02/1998 5 . 7 . 2  
smg-29 25/06/1999 5 . 7 . 3  
ETSI publication 29/12/1999 5 . 7 . 4

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

## TS 02.06 Types of Mobile Stations (MS)

R96 *current version:* 5.2.1  
*freeze\_meeting:* smg-22  
*history (event, available, version,*

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

VODAFONE Group Plc

smg-20 11/10/1996 5 . 0 . 0  
ETSI publication 02/05/1997 5 . 0 . 1  
smg-21 14/02/1997 5 . 1 . 0  
ETSI publication 26/08/1997 5 . 1 . 1  
smg-28 12/02/1999 5 . 2 . 0  
ETSI publication 04/08/1999 5 . 2 . 1

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

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

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## TS 02.07 Mobile Station (MS) Features

R96 *current version:* 5.4.1  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-17 02/02/1996 5 . 0 . 0  
smg-18 12/04/1996 5 . 1 . 0  
smg-20 11/10/1996 5 . 2 . 0  
ETSI publication 02/05/1997 5 . 2 . 1  
smg-22 13/06/1997 5 . 3 . 0  
ETSI OAP 21/07/1997 5 . 3 . 1  
ETSI publication 31/12/1997 5 . 3 . 2  
smg-24 19/12/1997 5 . 4 . 0  
ETSI publication 17/06/1998 5 . 4 . 1

*WG (prime / other):* S1 / - *rapporteur:* JEAL, David VODAFONE Group Plc  
*G: yes U:* *MCC:* CLAYTON, Michael

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
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## TS 02.09 Security aspects

R96 *current version:* 5.2.1  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0  
ETSI publication 02/05/1997 5 . 0 . 1  
smg-22 13/06/1997 5 . 1 . 0  
edito 08/12/1997 5 . 1 . 1  
smg-31 16/02/2000 5 . 2 . 0  
ETSI publication 29/08/2000 5 . 2 . 1

*WG (prime / other):* S3 / S1 / *rapporteur:* CHRISTOFFERSSON, Telia Promotor AB  
NP  
*G: yes U:* *MCC:* POPE, Maurice

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

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## TS 02.11 Service Accessibility

R96 *current version:* 5.0.1  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0  
ETSI publication 02/05/1997 5 . 0 . 1

*WG (prime / other):* S1 / - *rapporteur:* EVEN, Anne France Telecom  
*G: yes U:* *MCC:* CLAYTON, Michael

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

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

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[http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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**TS 02.16 International Mobile Station Equipment Identities (IMEI)**

R96 *current version:* 5.2.0  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0  
smg-30 11/11/1999 5 . 1 . 0  
SP-08 23/06/2000 5 . 2 . 0

*WG (prime / other):* S1 / - *rapporteur:* EVEN, Anne France Telecom  
*G: yes U:* *MCC:* CLAYTON, Michael

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

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**TS 02.17 Subscriber Identity Module (SIM); Functional characteristics**

R96 *current version:* 5.1.1  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0  
ETSI publication 02/05/1997 5 . 0 . 1  
smg-27 16/10/1998 5 . 1 . 0  
ETSI publication 08/04/1999 5 . 1 . 1

*WG (prime / other):* T3 / S1 *rapporteur:* HOOKER, Philip ORANGE PCS LTD  
*G: yes U:* *MCC:* DIETZE, Claus

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

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**TS 02.22 Stage 1 for personalisation of GSM ME**

R96 *current version:* 5.4.0  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-17 02/02/1996 5 . 0 . 0  
smg-19 28/06/1996 5 . 1 . 0  
smg-20 11/10/1996 5 . 2 . 0  
smg-23 17/10/1997 5 . 3 . 0  
smg-25 20/03/1998 5 . 3 . 1  
smg-26 26/06/1998 5 . 4 . 0

*WG (prime / other):* S1 / *rapporteur:* DURAND, Romain ALCATEL S.A.  
*G: yes U:* *MCC:* CLAYTON, Michael

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

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**TS 02.24 Description of Charge Advice Information (CAI)**

R96 *current version:* 5.0.1  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0  
ETSI publication 02/05/1997 5 . 0 . 1

*WG (prime / other):* S1 / *rapporteur:* DWYER, Paul NORTEL NETWORKS (EUROPE)  
*G: yes U:* *MCC:* CLAYTON, Michael

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

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

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[http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

## TS 02.30 Man-machine Interface (MMI) of the Mobile Station (MS)

R96 current version: 5.7.1  
freeze\_meeting: smg-22  
history (event, available, version,

WG (prime / other): S1 / rapporteur: JEAL, David VODAFONE Group Plc  
G: yes U: MCC: CLAYTON, Michael

smg-16 20/10/1995 5 . 0 . 0  
smg-17 02/02/1996 5 . 1 . 0  
smg-18 12/04/1996 5 . 2 . 0  
smg-19 28/06/1996 5 . 3 . 0  
smg-20 11/10/1996 5 . 3 . 1  
ETSI publication 02/05/1997 5 . 3 . 2  
smg-21 14/02/1997 5 . 4 . 0  
ETSI publication 26/08/1997 5 . 4 . 1  
smg-22 13/06/1997 5 . 5 . 0  
ETSI OAP 19/09/1997 5 . 5 . 1  
ETSI publication 27/02/1998 5 . 5 . 2  
smg-23 17/10/1997 5 . 6 . 0  
edito 06/01/1998 5 . 6 . 1  
smg-24 19/12/1997 5 . 6 . 2  
smg-28 12/02/1999 5 . 7 . 0  
ETSI publication 04/08/1999 5 . 7 . 1

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

## TS 02.34 High Speed Circuit Switched Data (HSCSD); Stage 1

R96 current version: 5.2.1  
freeze\_meeting: smg-22  
history (event, available, version,

WG (prime / other): S1 / rapporteur: KOKKOLA, Tommi NOKIA Corporation  
G: yes U: MCC: CLAYTON, Michael

draft 31/10/1995 0 . 0 . 0  
draft 13/02/1996 0 . 1 . 0  
draft 19/06/1996 0 . 2 . 0  
draft 13/02/1996 0 . 5 . 0  
smg-20 09/10/1996 5 . 0 . 0  
ETSI publication 28/11/1996 5 . 0 . 1  
smg-21 14/02/1997 5 . 1 . 0  
smg-22 13/06/1997 5 . 2 . 0  
ETSI publication 04/08/1997 5 . 2 . 1

[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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<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> DWYER, Paul		NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	smg-20 11/10/1996 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> ...,		BUNDESMINISTERIUM FUR WIRTSCHAFT	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	smg-16 20/10/1995 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-21 14/02/1997 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-24 19/12/1997 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> GILES, Les		Union Internationale des Chemins de Fer	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	smg-19 28/06/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	edito 08/10/1996 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-24 19/12/1997 5 . 1 . 0	<a href="#">get it</a>				
<hr/>						
<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> CONRAD, Alan		T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	smg-19 28/06/1996 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:* GILES, Les Union Internationale des Chemins de Fer  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
smg-16 20/10/1995 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-19 28/06/1996 5 . 0 . 1 [get it](#) *remarks - this release:*  
smg-20 11/10/1996 5 . 0 . 2 [get it](#)  
ETSI publication 03/06/1997 5 . 0 . 3 [get it](#)  
smg-22 13/06/1997 5 . 0 . 4 [get it](#)  
edito 05/12/1997 5 . 0 . 5 [get it](#)  
smg-29 25/06/1999 5 . 1 . 0 [get it](#)  
ETSI publication 29/12/1999 5 . 1 . 1 [get it](#)

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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:* GILES, Les Union Internationale des Chemins de Fer  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
smg-16 20/10/1995 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-17 02/02/1996 5 . 1 . 0 [get it](#) *remarks - this release:*  
smg-20 11/10/1996 5 . 1 . 1 [get it](#)  
smg-21 14/02/1997 5 . 1 . 2 [get it](#)  
smg-22 13/06/1997 5 . 1 . 3 [get it](#)  
smg-26 26/06/1998 5 . 2 . 0 [get it](#)  
publish ETS 300 01/12/1998 5 . 2 . 1 [get it](#)  
925

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## TS 02.69 Voice Broadcast Service (VBS); Stage 1

R96 *current version:* 5.2.1 *WG (prime / other):* S1 / - *rapporteur:* GILES, Les Union Internationale des Chemins de Fer  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
smg-16 20/10/1995 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-17 02/02/1996 5 . 1 . 0 [get it](#) *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  
smg-20 11/10/1996 5 . 1 . 1 [get it](#)  
smg-21 14/02/1997 5 . 1 . 2 [get it](#)  
smg-22 13/06/1997 5 . 1 . 3 [get it](#)  
smg-26 26/06/1998 5 . 2 . 0 [get it](#)  
ETSI publication 01/12/1998 5 . 2 . 1 [get it](#)

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<b>TS 02.78</b>	<b>Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)</b>				
R96	current version: 5.6.0	WG (prime / other): S1 / -	rapporteur: GRECH, Michel	Lucent Technologies Network Systems UK	
	freeze_meeting: smg-22	G: yes U:	MCC: CLAYTON, Michael		
	history (event, available, version,				
	smg-19 28/06/1996 5 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	smg-20 11/10/1996 5 . 1 . 0	<a href="#">get it</a>	remarks - this release:		
	smg-21 14/02/1997 5 . 1 . 1	<a href="#">get it</a>			
	smg-22 13/06/1997 5 . 2 . 0	<a href="#">get it</a>			
	smg-23 17/10/1997 5 . 3 . 0	<a href="#">get it</a>			
	smg-24 19/12/1997 5 . 4 . 0	<a href="#">get it</a>			
	smg-26 26/06/1998 5 . 5 . 0	<a href="#">get it</a>			
	smg-28 12/02/1999 5 . 6 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 02.79</b>	<b>Support of Optimal Routing (SOR); Service definition (Stage 1)</b>				
R96	current version: 5.2.0	WG (prime / other): S1 / -	rapporteur: FREY, Sophie	Indicate persons who left Company and wait for new One	
	freeze_meeting: smg-22	G: yes U:	MCC: CLAYTON, Michael		
	history (event, available, version,				
	smg-19 28/06/1996 5 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	smg-20 11/10/1996 5 . 1 . 0	<a href="#">get it</a>	remarks - this release: #19: 5.0.0 #20: 5.1.0 #28: 5.2.0		
	smg-28 12/02/1999 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	current version: 5.1.0	WG (prime / other): S1 / -	rapporteur: BLOMSTRAND, Ola	TeliaSonera AB	
	freeze_meeting: smg-22	G: yes U:	MCC: CLAYTON, Michael		
	history (event, available, version,				
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	smg-24 19/12/1997 5 . 1 . 0	<a href="#">get it</a>	remarks - this release: #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	current version: 5.0.0	WG (prime / other): S1 / -	rapporteur: EVEN, Anne	France Telecom	
	freeze_meeting: smg-22	G: yes U:	MCC: CLAYTON, Michael		
	history (event, available, version,				
	smg-16 20/10/1995 5 . 0 . 0	<a href="#">get it</a>	remarks - general:		
			remarks - this release: #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:	JORGENSEN, Niels H.	TDC TELE DANMARK A/S
	freeze_meeting: smg-22	G: yes U:		MCC:	CLAYTON, Michael	
	history (event, available, version, smg-20 11/10/1996 5 . 0 . 0					
		<a href="#">get it</a>		remarks - general:		
				remarks - this release: #20: 5.0.0		
<hr/>						
<b>TS 02.84</b>	<b>MultiParty (MPTY) Supplementary Services; Stage 1</b>					
R96	current version: 5.0.0	WG (prime / other):	S1 / -	rapporteur:	POSTMANN, Erwin	SIEMENS AG
	freeze_meeting: smg-22	G: yes U:		MCC:	CLAYTON, Michael	
	history (event, available, version, smg-20 11/10/1996 5 . 0 . 0					
		<a href="#">get it</a>		remarks - general:		
				remarks - this release: #20: 5.0.0		
<hr/>						
<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, smg-20 11/10/1996 5 . 0 . 0					
		<a href="#">get it</a>		remarks - general:		
				remarks - this release: #20: 5.0.0		
<hr/>						
<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:	CRAWFORD, Ian	VODAFONE Group Plc
	freeze_meeting: smg-22	G: yes U:		MCC:	CLAYTON, Michael	
	history (event, available, version, smg-20 11/10/1996 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:	CONRAD, Alan	T-MOBILE DEUTSCHLAND
	freeze_meeting: smg-22	G: yes U:		MCC:	CLAYTON, Michael	
	history (event, available, version, smg-20 11/10/1996 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:* SLOTTE, Sverre NOKIA Corporation  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-21 14/02/1997 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:* POSTMANN, Erwin SIEMENS AG  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
smg-16 20/10/1996 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-17 02/02/1996 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 28/06/1996 5 . 1 . 0 [get it](#)  
smg-21 14/02/1997 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,*  
smg-16 20/10/1995 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-18 12/04/1996 5 . 1 . 0 [get it](#) *remarks - this release:* #16: 5.0.0 #18: 5.1.0 #19: 5.2.0  
smg-19 28/06/1996 5 . 2 . 0 [get it](#)

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R96

03 .- series

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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,*  
smg-17 02/02/1996 5 . 0 . 0 [get it](#) *remarks - general:* SMG3->SA2 @ TSG#7  
smg-18 12/04/1996 5 . 1 . 0 [get it](#) *remarks - this release:* #17: 5.0.0 #18: 5.1.0

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**TS 03.02 Network Architecture**  
R96 *current version: 5.3.0*  
*freeze\_meeting: smg-22*

WG (prime / other): S2 / NP / rapporteur: SULTAN, Alain SOURCE COM  
T2  
G: yes U: MCC: YOON, Sang-Ui

*history (event, available, version,*  
smg-17 02/02/1996 5 . 0 . 0  
smg-18 12/04/1996 5 . 1 . 0  
smg-23 17/10/1997 5 . 2 . 0  
smg-24 19/12/1997 5 . 3 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #17: 5.0.0 #18: 5.1.0 #23: 5.2.0 #24: 5.3.0*  
[get it](#)  
[get it](#)

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**TS 03.03 Numbering, Addressing and Identification**  
R96 *current version: 5.4.1*  
*freeze\_meeting: smg-22*

WG (prime / other): N4 / T2 rapporteur: RUSSELL, Nick VODAFONE LTD  
G: yes U: MCC: KYMALAINEN, Kimmo

*history (event, available, version,*  
smg-17 5 . 0 . 0  
ETSI OAP 25/11/1996 5 . 0 . 1  
ETSI publication 02/05/1997 5 . 0 . 2  
smg-25 20/03/1998 5 . 1 . 0  
ETSI publication 23/10/1998 5 . 1 . 1  
smg-29 26/05/1999 5 . 2 . 0  
ETSI publication 22/11/1999 5 . 2 . 1  
NP-07 15/03/2000 5 . 3 . 0  
ETSI publication 15/11/2000 5 . 3 . 1  
NP-08 21/06/2000 5 . 4 . 0  
ETSI publication 04/01/2001 5 . 4 . 1

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
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[get it](#)  
[get it](#)  
[get it](#)  
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**TR 03.05 Technical performance objectives**  
R96 *current version: 5.0.0*  
*freeze\_meeting: smg-22*

WG (prime / other): NP / - rapporteur: BOSWARTHICK, David ETSI Secretariat  
G: yes U: MCC: BOSWARTHICK, David

*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0

[get it](#) *remarks - general:*  
*remarks - this release: #20: 5.0.0*

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<b>TS 03.07</b>	<b>Restoration Procedures</b>					
R96	current version: 5.1.0	WG (prime / other):	N4 / -	rapporteur:	PARK, Ian David	VODAFONE LTD
	freeze_meeting: smg-22	G: yes	U:	MCC:	Chalmers	
	history (event, available, version,				KYMALAINEN, Kimmo	
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>				remarks - general:
	smg-23 17/10/1997 5 . 1 . 0	<a href="#">get it</a>				remarks - this release:
<hr/>						
<b>TS 03.08</b>	<b>Organization of Subscriber Data</b>					
R96	current version: 5.2.0	WG (prime / other):	N4 / -	rapporteur:	BAUER, Rolf	ALCATEL SEL AG
	freeze_meeting: smg-22	G: yes	U:	MCC:	KYMALAINEN, Kimmo	
	history (event, available, version,					
	smg-18 12/04/1996 5 . 0 . 0	<a href="#">get it</a>				remarks - general:
	smg-21 14/02/1997 5 . 1 . 0	<a href="#">get it</a>				remarks - this release:
	smg-23 17/10/1997 5 . 2 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 03.09</b>	<b>Handover Procedures</b>					
R96	current version: 5.1.0	WG (prime / other):	N1 / -	rapporteur:	FARHOUMAND,	Ericsson Incorporated
	freeze_meeting: smg-22	G: yes	U:	MCC:	Rouzbeh	
	history (event, available, version,				JORGENSEN, Per Johan	
	smg-18 12/04/1996 5 . 0 . 0	<a href="#">get it</a>				remarks - general:
	smg-22 13/06/1997 5 . 1 . 0	<a href="#">get it</a>				remarks - this release: #18: 5.0.0 #22: 5.1.0
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<b>TS 03.10</b>	<b>GSM Public Land Mobile Network (PLMN) Connection Types</b>					
R96	current version: 5.4.0	WG (prime / other):	N3 / -	rapporteur:	BOSWARTHICK, David	ETSI Secretariat
	freeze_meeting: smg-22	G: yes	U:	MCC:	BOSWARTHICK, David	
	history (event, available, version,					
	smg-16 20/10/1995 5 . 0 . 0	<a href="#">get it</a>				remarks - general:
	smg-21 14/02/1997 5 . 1 . 0	<a href="#">get it</a>				remarks - this release:
	smg-22 13/06/1997 5 . 2 . 0	<a href="#">get it</a>				
	smg-23 17/10/1997 5 . 3 . 0	<a href="#">get it</a>				
	smg-24 19/12/1997 5 . 4 . 0	<a href="#">get it</a>				

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## TS 03.11 Technical Realization of Supplementary Services - General Aspects

R96 *current version:* 5.0.1 *WG (prime / other):* N4 / - *rapporteur:* HABERMANN, Steffen T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0 [get it](#) *remarks - general:*  
ETSI publication 03/06/1997 5 . 0 . 1 [get it](#) *remarks - this release:*

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## TS 03.12 Location Registration Procedures

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,*  
smg-20 11/10/1996 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #20: 5.0.0

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## TS 03.13 Discontinuous Reception (DRX) in the GSM System

R96 *current version:* 5.0.0 *WG (prime / other):* G1 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version,*  
smg-17 02/02/1996 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #17: 5.0.0

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## TS 03.14 Support of Dual Tone Multi-Frequency Signalling (DTMF) via the GSM System

R96 *current version:* 5.0.0 *WG (prime / other):* N1 / - *rapporteur:* ZAUS, Robert SIEMENS AG  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #20: 5.0.0

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## TS 03.15 Technical Realization of Operator Determined Barring

R96 *current version:* 5.1.0 *WG (prime / other):* N4 / - *rapporteur:* PARK, Ian David VODAFONE LTD  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* Chalmers  
KYMALAINEN, Kimmo  
*history (event, available, version,*  
smg-16 20/10/1995 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-21 14/02/1997 5 . 1 . 0 [get it](#) *remarks - this release:* #16: 5.0.0 #21: 5.1.0

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

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## TS 03.16 Subscriber Data Management

R96  
current version: 5.3.0  
freeze\_meeting: smg-22  
history (event, available, version,  
smg-18 12/04/1996 5 . 0 . 0  
smg-21 14/02/1997 5 . 1 . 0  
smg-23 17/10/1997 5 . 2 . 0  
smg-26 26/06/1998 5 . 3 . 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: #18: 5.0.0 #21: 5.1.0 #23: 5.2.0 #26: 5.3.0  
[get it](#)  
[get it](#)

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## TS 03.18 Basic Call Handling

R96  
current version: 5.6.0  
freeze\_meeting: smg-22  
history (event, available, version,  
smg-21 14/02/1997 5 . 0 . 0  
smg-22 13/06/1997 5 . 1 . 0  
smg-23 17/10/1997 5 . 2 . 0  
smg-24 19/12/1997 5 . 3 . 0  
smg-25 20/03/1998 5 . 4 . 0  
smg-26 26/06/1998 5 . 5 . 0  
smg-27 16/10/1998 5 . 6 . 0

WG (prime / other): N4 / - rapporteur: PARK, Ian David VODAFONE LTD  
Chalmers  
G: yes U: MCC: KYMALAINEN, Kimmo

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

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## TS 03.20 Security-related Network Functions

R96  
current version: 5.2.1  
freeze\_meeting: smg-22  
history (event, available, version,  
smg-20 11/10/1996 5 . 0 . 0  
smg-21 14/02/1997 5 . 1 . 0  
smg-23 17/10/1997 5 . 2 . 0  
smg-29 25/06/1999 5 . 2 . 1

WG (prime / other): S3 / NP / GP rapporteur: NGUYEN NGOC, France Telecom  
Sebastien  
G: yes U: MCC: POPE, Maurice

[get it](#) remarks - general:  
[get it](#) remarks - this release: SMG#29: CRs but postponed, then forgotten!  
[get it](#)  
[get it](#)

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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	MOTOROLA A/S		
	<i>freeze_meeting:</i> smg-22		Peter Skov			
		<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	smg-20 11/10/1996 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 03/06/1997 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> group receive mode".			
	smg-21 14/02/1997 5 . 1 . 0	<a href="#">get it</a>				
	ETSI publication 15/09/1997 5 . 1 . 1	<a href="#">get it</a>				
	smg-22 13/06/1997 5 . 2 . 0	<a href="#">get it</a>				
	ETSI publication 31/12/1997 5 . 2 . 1	<a href="#">get it</a>				
	smg-26 26/06/1998 5 . 3 . 0	<a href="#">get it</a>				
	ETSI publication 10/12/1998 5 . 3 . 1	<a href="#">get it</a>				
<hr/>						
<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	MOTOROLA A/S		
	<i>freeze_meeting:</i> smg-22		Peter Skov			
		<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-22 13/06/1997 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-23 17/10/1997 5 . 2 . 0	<a href="#">get it</a>				
<hr/>						
<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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> #20: 5.0.0			
<hr/>						
<b>TS 03.32</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	<i>G: yes U:</i>	<i>MCC:</i> YOON, Sang-Ui			
	<i>history (event, available, version,</i>					
	smg-23 17/10/1997 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-26 26/06/1998 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-27 16/10/1998 5 . 2 . 0	<a href="#">get it</a>				

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## TS 03.34 High Speed Circuit Switched Data (HSCSD); Stage 2

R96  
current version: 5.2.0  
freeze\_meeting: smg-22  
history (event, available, version,  
smg-21 14/02/1997 5 . 0 . 0  
smg-26 26/06/1998 5 . 1 . 0  
smg-28 12/02/1999 5 . 2 . 0

WG (prime / other): N1 / - rapporteur: KOKKOLA, Tommi NOKIA Corporation  
G: yes U: MCC: JORGENSEN, Per Johan

[get it](#) remarks - general:  
[get it](#) remarks - this release: #21: 5.0.0 #26: 5.1.0 #28: 5.2.0  
[get it](#)

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## TS 03.38 Alphabets and language-specific information

R96  
current version: 5.6.1  
freeze\_meeting: smg-22  
history (event, available, version,  
smg-16 20/10/1995 5 . 0 . 0  
smg-17 02/02/1996 5 . 1 . 0  
smg-18 12/04/1996 5 . 2 . 0  
smg-19 28/06/1996 5 . 3 . 0  
smg-20 11/10/1996 5 . 4 . 0  
ETSI publication 5 . 4 . 1  
smg-21 14/02/1997 5 . 5 . 0  
ETSI publication 5 . 5 . 1  
smg-22 13/06/1997 5 . 6 . 0  
Editorial correction 13/07/1997 5 . 6 . 1

WG (prime / other): T2 / - rapporteur: HARRIS, Ian Research In Motion Limited  
G: yes U: MCC: RODERMUND, Friedhelm

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

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## TS 03.40 Technical realization of the Short Message Service (SMS)

R96  
current version: 5.8.1  
freeze\_meeting: smg-22  
history (event, available, version,  
smg-16 20/10/1995 5 . 0 . 0  
smg-17 02/02/1996 5 . 1 . 0  
smg-18 12/04/1996 5 . 2 . 0  
smg-19 28/06/1996 5 . 3 . 0  
smg-20 11/10/1996 5 . 4 . 0  
smg-21 14/02/1997 5 . 5 . 0  
smg-22 13/06/1997 5 . 6 . 0  
smg-23 17/10/1997 5 . 7 . 0  
smg-26 26/06/1998 5 . 8 . 0  
Editorial change 26/07/1998 5 . 8 . 1

WG (prime / other): T2 / - rapporteur: HARRIS, Ian Research In Motion Limited  
G: yes U: MCC: RODERMUND, Friedhelm

[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 03.41 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,*

smg-16	20/10/1995	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-17	02/02/1996	5	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
smg-18	12/04/1996	5	.	2	.	0	<a href="#">get it</a>	
smg-19	28/06/1996	5	.	3	.	0	<a href="#">get it</a>	
smg-20	11/10/1996	5	.	4	.	0	<a href="#">get it</a>	
ETSI publication	02/05/1997	5	.	4	.	1	<a href="#">get it</a>	
smg-21	14/02/1997	5	.	5	.	0	<a href="#">get it</a>	
ETSI publication	15/09/1997	5	.	5	.	1	<a href="#">get it</a>	
smg-22	13/06/1997	5	.	6	.	0	<a href="#">get it</a>	
ETSI publication	02/02/1998	5	.	6	.	1	<a href="#">get it</a>	
smg-23	17/10/1997	5	.	7	.	0	<a href="#">get it</a>	
smg-24	19/12/1997	5	.	8	.	0	<a href="#">get it</a>	
ETSI publication	17/06/1998	5	.	8	.	1	<a href="#">get it</a>	
smg-25	20/03/1998	5	.	9	.	0	<a href="#">get it</a>	
ETSI publication	03/02/1999	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,*

smg-21	14/02/1997	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-22	13/06/1997	5	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
smg-23	17/10/1997	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:* DI TRIA, Paolo Telecom Italia Lab S.p.A.  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* RODERMUND, Friedhelm

*history (event, available, version,*

smg-20	11/10/1996	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
								<i>remarks - this release:</i>

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**TR 03.44 Support of Teletex in a GSM Public Land Mobile Network (PLMN)**  
R96 *current version:* 5.0.0 *WG (prime / other):* T2 / - *rapporteur:* RODERMUND, Vodafone D2 GmbH  
*freeze\_meeting:* smg-22 *G: yes U:* MCC: RODERMUND, Friedhelm  
*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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**TS 03.45 Technical Realization of Facsimile Group 3 Service - transparent**  
R96 *current version:* 5.2.1 *WG (prime / other):* N3 / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*freeze\_meeting:* smg-22 *G: yes U:* MCC: BOSWARTHICK, David  
*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0 [get it](#) *remarks - general:*  
ETSI publication 02/05/1997 5 . 0 . 1 [get it](#) *remarks - this release:*  
smg-21 14/02/1997 5 . 1 . 0 [get it](#)  
ETSI publication 26/08/1997 5 . 1 . 1 [get it](#)  
smg-22 13/06/1997 5 . 2 . 0 [get it](#)  
ETSI publication 02/02/1998 5 . 2 . 1 [get it](#)

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**TS 03.46 Technical Realization of Facsimile Group 3 Service - non transparent**  
R96 *current version:* 5.0.0 *WG (prime / other):* N3 / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*freeze\_meeting:* smg-22 *G: yes U:* MCC: BOSWARTHICK, David  
*history (event, available, version,*  
smg-20 11/10/1996 5 . 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)**  
R96 *current version:* 5.0.0 *WG (prime / other):* T2 / - *rapporteur:* RODERMUND, Vodafone D2 GmbH  
*freeze\_meeting:* smg-22 *G: yes U:* MCC: RODERMUND, Friedhelm  
*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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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	current version: 5.7.0	WG (prime / other): T2 / -	rapporteur: RODERMUND, Friedhelm	Vodafone D2 GmbH	
	freeze_meeting: smg-22	G: yes U:	MCC: RODERMUND, Friedhelm		
	history (event, available, version,				
	smg-16 20/10/1995 5 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	smg-18 12/04/1996 5 . 1 . 0	<a href="#">get it</a>	remarks - this release:		
	smg-19 28/06/1996 5 . 2 . 0	<a href="#">get it</a>			
	smg-20 11/10/1996 5 . 3 . 0	<a href="#">get it</a>			
	smg-21 14/02/1997 5 . 4 . 0	<a href="#">get it</a>			
	smg-22 13/06/1997 5 . 5 . 0	<a href="#">get it</a>			
	smg-23 17/10/1997 5 . 6 . 0	<a href="#">get it</a>			
	smg-24 19/12/1997 5 . 7 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 03.50</b>	<b>Transmission Planning As pects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System</b>				
R96	current version: 5.4.0	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,				
	smg-17 02/02/1996 5 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	smg-20 11/10/1996 5 . 0 . 1	<a href="#">get it</a>	remarks - this release: #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 19/12/1997 5 . 0 . 3	<a href="#">get it</a>			
	smg-25 20/03/1998 5 . 1 . 0	<a href="#">get it</a>			
	smg-27 16/10/1998 5 . 2 . 0	<a href="#">get it</a>			
	smg-28 12/02/1999 5 . 3 . 0	<a href="#">get it</a>			
	smg-32 20/06/2000 5 . 4 . 0	<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>				
R96	current version: 5.2.0	WG (prime / other): N3 / -	rapporteur: BOSWARTHICK, David	ETSI Secretariat	
	freeze_meeting: smg-22	G: yes U:	MCC: BOSWARTHICK, David		
	history (event, available, version,				
	smg-23 17/10/1997 5 . 1 . 0	<a href="#">get it</a>	remarks - general:		
	smg-24 19/12/1997 5 . 2 . 0	<a href="#">get it</a>	remarks - this release: #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,</i>									
	smg-16 20/10/1995	5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-18 12/04/1996	5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>				
<hr/>										
<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,</i>									
	smg-16 20/10/1995	5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-20 11/10/1996	5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>				
	ETSI publication 03/06/1997	5 . 1 . 1			<a href="#">get it</a>					
<hr/>										
<b>TS 03.68</b>	<b>Voice Group Call Service (VGCS); Stage 2</b>									
R96	<i>current version:</i> 5.5.1	<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,</i>									
	smg-16 20/10/1995	5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-18 12/04/1996	5 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	#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			
	smg-20 11/10/1996	5 . 1 . 1			<a href="#">get it</a>					
	ETSI publication 03/06/1997	5 . 1 . 2			<a href="#">get it</a>					
	smg-21 14/02/1997	5 . 2 . 0			<a href="#">get it</a>					
	ETSI publication 26/08/1997	5 . 2 . 1			<a href="#">get it</a>					
	smg-23 17/10/1997	5 . 3 . 0			<a href="#">get it</a>					
	ETSI publication 07/04/1998	5 . 3 . 1			<a href="#">get it</a>					
	smg-24 19/12/1997	5 . 4 . 0			<a href="#">get it</a>					
	ETSI publication 23/07/1998	5 . 4 . 1			<a href="#">get it</a>					
	smg-26 26/06/1998	5 . 5 . 1			<a href="#">get it</a>					

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## TS 03.69 Voice Broadcast service (VBS); Stage 2

R96 *current version:* 5.5.1  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-16 20/10/1995 5 . 0 . 0  
smg-18 12/04/1996 5 . 1 . 0  
smg-20 11/10/1996 5 . 1 . 1  
ETSI publication 03/06/1997 5 . 1 . 2  
smg-21 14/02/1997 5 . 2 . 0  
ETSI publication 26/08/1997 5 . 2 . 1  
smg-23 17/10/1997 5 . 3 . 0  
ETSI publication 07/04/1998 5 . 3 . 1  
smg-24 19/12/1997 5 . 4 . 0  
ETSI publication 23/10/1999 5 . 4 . 1  
smg-26 26/06/1998 5 . 5 . 0  
ETSI publication 10/12/1998 5 . 5 . 1

*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  
[get it](#)  
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[get it](#)  
[get it](#)  
[get it](#)

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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,*  
smg-20 11/10/1996 5 . 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:* #20: 5.0.0

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

# 3GPP specification status

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[http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

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## TS 03.78 Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 2; Stage 2

R96 *current version:* 5.8.0 *WG (prime / other):* N2 / - *rapporteur:* LANTELME, Isabelle ALCATEL S.A.  
*freeze\_meeting:* smg-22 *G:* yes *U:* *MCC:* JURISIC, Andrijana

*history (event, available, version,*  
smg-21 14/02/1997 5 . 0 . 0 [get it](#) *remarks - general:*  
ETSI publication 23/04/1997 5 . 0 . 1 [get it](#) *remarks - this release:*  
smg-22 13/06/1997 5 . 1 . 0 [get it](#)  
smg-23 17/10/1997 5 . 2 . 0 [get it](#)  
smg-24 19/12/1997 5 . 3 . 0 [get it](#)  
edito 19/01/1998 5 . 3 . 1 [get it](#)  
ETSI publication 30/01/1998 5 . 3 . 2 [get it](#)  
smg-25 20/03/1998 5 . 4 . 0 [get it](#)  
smg-26 26/06/1998 5 . 5 . 0 [get it](#)  
smg-27 16/10/1998 5 . 6 . 0 [get it](#)  
smg-28 12/02/1999 5 . 7 . 0 [get it](#)  
smg-29 25/06/1999 5 . 8 . 0 [get it](#)

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## TS 03.79 Support of Optimal Routeing phase 1; Stage 2

R96 *current version:* 5.5.0 *WG (prime / other):* N4 / - *rapporteur:* PARK, Ian David VODAFONE LTD  
*freeze\_meeting:* smg-22 *G:* yes *U:* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*  
smg-21 14/02/1997 5 . 0 . 0 [get it](#) *remarks - general:*  
ETSI publication 02/05/1997 5 . 0 . 1 [get it](#) *remarks - this release:* #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 13/06/1997 5 . 1 . 0 [get it](#)  
smg-24 19/12/1997 5 . 2 . 0 [get it](#)  
smg-25 20/03/1998 5 . 3 . 0 [get it](#)  
smg-27 16/10/1998 5 . 4 . 0 [get it](#)  
NP-05 08/10/1999 5 . 5 . 0 [get it](#)

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## TS 03.81 Line Identification Supplementary Services; Stage 2

R96 *current version:* 5.2.0 *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*freeze\_meeting:* smg-22 *G:* yes *U:* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-24 19/12/1997 5 . 1 . 0 [get it](#) *remarks - this release:* #20: 5.0.0 #24: 5.1.0 #26: 5.2.0  
smg-26 26/06/1998 5 . 2 . 0 [get it](#)

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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,</i>				
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release: #20: 5.0.0</i>		
<hr/>					
<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,</i>				
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release: #20: 5.0.0</i>		
<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,</i>				
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release: #20: 5.0.0</i>		
<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,</i>				
	smg-20 11/10/1996 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,</i>				
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 28/11/2000 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #20: 5.0.0</i>		

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

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**TS 03.88 Call Barring (CB) supplementary services; Stage 2**

R96  
current version: 5.0.0  
freeze\_meeting: smg-22  
history (event, available, version,  
smg-20 11/10/1996 5 . 0 . 0

WG (prime / other): N4 / - rapporteur: WIEHE, Ulrich  
G: yes U: MCC: KYMALAINEN, Kimmo

Gesellschaft für Kommunikations Software

[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  
freeze\_meeting: smg-22  
history (event, available, version,  
smg-20 11/10/1996 5 . 0 . 0

WG (prime / other): N4 / - rapporteur: CHOTAI, Sunil  
G: yes U: MCC: KYMALAINEN, Kimmo

mm02 plc

[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  
freeze\_meeting: smg-22  
history (event, available, version,  
smg-16 20/10/1995 5 . 0 . 0  
smg-18 12/04/1996 5 . 0 . 1  
smg-19 28/06/1996 5 . 0 . 2

WG (prime / other): N4 / - rapporteur: WIEHE, Ulrich  
G: yes U: MCC: KYMALAINEN, Kimmo

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[get it](#) remarks - this release: #16: 5.0.0 #18: 5.0.1 #19: 5.0.2  
[get it](#)

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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**

R96  
current version: 5.0.0  
freeze\_meeting: smg-22  
history (event, available, version,  
smg-20 11/10/1996 5 . 0 . 0

WG (prime / other): N1 / - rapporteur: ANDERSEN, Niels  
G: yes U: MCC: JORGENSEN, Per Johan

MOTOROLA A/S

[get it](#) remarks - general:  
remarks - this release: #20: 5.0.0

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

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**TS 04.02 GSM Public Land Mobile Network (PLMN) Access Reference Configuration**

R96  
current version: 5.0.0  
freeze\_meeting: smg-22

WG (prime / other): N1 / - rapporteur: ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
G: yes U: MCC: JORGENSEN, Per Johan

history (event, available, version,  
smg-18 12/04/1996 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  
freeze\_meeting: smg-22

WG (prime / other): G2 / - rapporteur: ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
G: yes U: MCC: THOMASEN, Gert

history (event, available, version,  
smg-18 12/04/1996 5 . 0 . 0  
smg-21 14/02/1997 5 . 1 . 0  
smg-22 13/06/1997 5 . 2 . 0  
smg-24 19/12/1997 5 . 3 . 0

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

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**TS 04.04 Layer 1 - General Requirements**

R96  
current version: 5.1.0  
freeze\_meeting: smg-22

WG (prime / other): G2 / - rapporteur: ISAACS, Ken SIEMENS AG  
THOMASEN, Gert  
G: yes U: MCC:

history (event, available, version,  
smg-20 11/10/1996 5 . 0 . 0  
ETSI publication 02/05/1997 5 . 0 . 1  
smg-24 19/12/1997 5 . 1 . 0

[get it](#) remarks - general:  
[get it](#) remarks - this release:  
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**TS 04.05 Data Link (DL) Layer General Aspects**

R96  
current version: 5.0.1  
freeze\_meeting: smg-22

WG (prime / other): G2 / - rapporteur: ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
G: yes U: MCC: THOMASEN, Gert

history (event, available, version,  
smg-20 11/10/1996 5 . 0 . 1

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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 MOTOROLA A/S  
*freeze\_meeting:* smg-22 G: yes U: *MCC:* THOMASEN, Gert

*history (event, available, version,*

smg-20	11/10/1996	5	.	0	.	0
ETSI publication	02/05/1997	5	.	0	.	1
smg-21	14/02/1997	5	.	1	.	0
ETSI publication	15/09/1997	5	.	1	.	1
smg-25	20/03/1998	5	.	2	.	0
ETSI publication	23/10/1998	5	.	2	.	1
smg-29	25/06/1999	5	.	3	.	0
ETSI publication	22/12/1999	5	.	3	.	1
smg-31	16/02/2000	5	.	4	.	0
ETSI Publication	28/11/2000	5	.	4	.	1

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

smg-16	20/10/1995	5	.	0	.	0
smg-17	02/02/1996	5	.	1	.	0
smg-20	11/10/1996	5	.	1	.	1
ETSI publication	05/05/1997	5	.	1	.	2
smg-21	14/02/1997	5	.	2	.	0
ETSI publication	19/12/1997	5	.	2	.	1
smg-24	19/12/1997	5	.	3	.	0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
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## TS 04.08 Mobile radio interface layer 3 specification

R96 current version: 5.20.0

freeze\_meeting: smg-22

history (event, available, version,

smg-16	20/10/1995	5	.	0	.	0
smg-17	02/02/1996	5	.	1	.	0
smg-18	12/04/1996	5	.	2	.	0
smg-19	28/06/1996	5	.	3	.	0
smg-20	11/10/1996	5	.	4	.	0
ETSI publication	13/05/1997	5	.	4	.	1
smg-21	14/02/1997	5	.	5	.	0
smg-22	13/06/1997	5	.	6	.	0
ETSI OAP	19/09/1997	5	.	6	.	2
ETSI publication	27/02/1998	5	.	6	.	3
smg-23	17/10/1997	5	.	7	.	0
smg-24	19/12/1997	5	.	8	.	0
smg-25	20/03/1998	5	.	9	.	0
ETSI publication	23/10/1998	5	.	9	.	1
smg-26	26/06/1998	5	.	10	.	0
ETSI publication	16/12/1998	5	.	10	.	1
smg-27	16/10/1998	5	.	11	.	0
ETSI publication	23/03/1999	5	.	11	.	1
smg-28	12/02/1999	5	.	12	.	0
smg-29	25/06/1999	5	.	13	.	0
ETSI publication	22/12/1999	5	.	13	.	1
smg-30	11/11/1999	5	.	14	.	0
ETSI publication	09/05/2000	5	.	14	.	1
NP-07	15/03/2000	5	.	15	.	0
ETSI publication	05/10/2000	5	.	15	.	1
smg-31b	17/04/2000	5	.	16	.	0
smg-32	20/06/2000	5	.	17	.	0
GP-01	12/10/2000	5	.	18	.	0
edito	02/11/2000	5	.	18	.	1
NP-18	18/12/2002	5	.	19	.	0
GP-15	10/07/2003	5	.	20	.	0

WG (prime / other): N1 / G2 rapporteur: HOWELL, Andrew MOTOROLA Ltd

G: yes U: MCC: JORGENSEN, Per Johan

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remarks - general: 04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert

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remarks - this release: Thomasen (even numbered CRs!)

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<b>TS 04.10</b>	<b>Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects</b>					
R96	current version: 5.0.1 freeze_meeting: smg-22	WG (prime / other): N4 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S		
		G: yes U:	MCC: KYMALAINEN, Kimmo			
	history (event, available, version, smg-20 5 . 0 . 0 edito 11/10/1996 5 . 0 . 1				remarks - general: remarks - this release:	
			<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>					
R96	current version: 5.3.0 freeze_meeting: smg-22	WG (prime / other): N1 / -	rapporteur: NOBUYUKI, Uda	NTT COMWARE Corporation		
	history (event, available, version, smg-16 20/10/1995 5 . 0 . 0 smg-17 02/02/1996 5 . 1 . 0 smg-20 11/10/1996 5 . 1 . 1 smg-21 14/02/1997 5 . 2 . 0 ETSI publication 15/09/1997 5 . 2 . 1 NP-09 24/10/2000 5 . 3 . 0	G: yes U:	MCC: JORGENSEN, Per Johan		remarks - general: remarks - this release:	
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			<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	current version: 5.0.2 freeze_meeting: smg-22	WG (prime / other): G2 / T2	rapporteur: ANDERSEN, Nels Peter Skov	MOTOROLA A/S		
	history (event, available, version, smg-19 28/06/1996 5 . 0 . 0 smg-20 11/10/1996 5 . 0 . 1 ETSI Publication 28/11/2000 5 . 0 . 2	G: yes U:	MCC: THOMASEN, Gert		remarks - general: remarks - this release: #19: 5.0.0 #20: 5.0.1	
			<a href="#">get it</a>			
			<a href="#">get it</a>			
			<a href="#">get it</a>			
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<b>TS 04.13</b>	<b>Performance Requirements on Mobile Radio Interface</b>					
R96	current version: 5.1.1 freeze_meeting: smg-22	WG (prime / other): N1 / -	rapporteur: PUDNEY, Chris	VODAFONE Group Plc		
	history (event, available, version, smg-18 12/04/1996 5 . 0 . 0 smg-20 11/10/1996 5 . 1 . 0 ETSI Publication 28/11/2000 5 . 1 . 1	G: yes U:	MCC: JORGENSEN, Per Johan		remarks - general: remarks - this release: #18: 5.0.0 #20: 5.1.0	
			<a href="#">get it</a>			
			<a href="#">get it</a>			
			<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		G: yes U:	<i>MCC:</i> THOMASEN, Gert					
	<i>history (event, available, version,</i>								
	smg-26 26/06/1998	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-27 16/10/1998	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>				
<hr/>									
<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		G: yes U:	<i>MCC:</i> BOSWARTHICK, David					
	<i>history (event, available, version,</i>								
	smg-20 11/10/1996	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-21 14/02/1997	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				
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	smg-22 13/06/1997	5 . 2 . 0		<a href="#">get it</a>					
	smg-23 17/10/1997	5 . 3 . 0		<a href="#">get it</a>					
	smg-24 19/12/1997	5 . 4 . 0		<a href="#">get it</a>					
	smg-25 20/03/1998	5 . 5 . 0		<a href="#">get it</a>					
	smg-27 16/10/1998	5 . 6 . 0		<a href="#">get it</a>					
	NP-08 21/06/2000	5 . 7 . 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>								
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		G: yes U:	<i>MCC:</i> BOSWARTHICK, David					
	<i>history (event, available, version,</i>								
	smg-16 20/10/1995	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	smg-20 11/10/1996	5 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>				
	smg-21 14/02/1997	5 . 1 . 0		<a href="#">get it</a>					
	smg-22 13/06/1997	5 . 2 . 0		<a href="#">get it</a>					
	smg-23 17/10/1997	5 . 3 . 0		<a href="#">get it</a>					
	smg-25 20/03/1998	5 . 4 . 0		<a href="#">get it</a>					
	smg-27 16/10/1998	5 . 5 . 0		<a href="#">get it</a>					
	NP-06 13/12/1999	5 . 6 . 0		<a href="#">get it</a>					
	ETSI publication 17/07/2000	5 . 6 . 1		<a href="#">get it</a>					

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**TS 04.63 Packet Data on Signalling channels Service (PDS) Service Description, Stage 3**

R96 *current version:* 5.0.0 *WG (prime / other):* N1 / - *rapporteur:* JACOBSON, Dieter T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version,*  
smg-18 12/04/1996 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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**TS 04.67 Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3**

R96 *current version:* 5.0.1 *WG (prime / other):* N4 / - *rapporteur:* SCHMITT, Peter SIEMENS AG  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0 [get it](#) *remarks - general:*  
ETSI Publication 28/11/2000 5 . 0 . 1 [get it](#) *remarks - this release:* #20: 5.0.0

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**TS 04.68 Group Call Control (GCC) Protocol**

R96 *current version:* 5.5.0 *WG (prime / other):* N1 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version,*  
smg-18 12/04/1996 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-20 11/10/1996 5 . 0 . 1 [get it](#) *remarks - this release:*  
smg-27 16/10/1998 5 . 1 . 0 [get it](#)  
smg-28 12/02/1999 5 . 2 . 0 [get it](#)  
smg-29 25/06/1999 5 . 3 . 0 [get it](#)  
smg-30 11/11/1999 5 . 4 . 0 [get it](#)  
NP-07 15/03/2000 5 . 5 . 0 [get it](#)

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**TS 04.69 Broadcast Call Control (BCC) protocol**

R96 *current version:* 5.5.0 *WG (prime / other):* N1 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*freeze\_meeting:* smg-22 *G: yes U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-27 16/10/1998 5 . 1 . 0 [get it](#) *remarks - this release:*  
smg-28 12/02/1999 5 . 2 . 0 [get it](#)  
smg-29 25/06/1999 5 . 3 . 0 [get it](#)  
smg-30 11/11/1999 5 . 4 . 0 [get it](#)  
NP-07 15/03/2000 5 . 5 . 0 [get it](#)

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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	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>				
	smg-18 12/04/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-20 11/10/1996 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-24 19/12/1997 5 . 1 . 0	<a href="#">get it</a>			
	smg-25 20/03/1998 5 . 2 . 0	<a href="#">get it</a>			
	smg-28 12/02/1999 5 . 3 . 0	<a href="#">get it</a>			
	ETSI Publication 12/03/1999 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	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>				
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 11/11/1996 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	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>				
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 11/11/1996 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	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>				
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 11/11/1996 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 (MPPTY) 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	G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>				
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 11/11/1996 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,</i>				
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release: #20: 5.0.0</i>		
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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,</i>				
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 11/11/1996 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #20: 5.0.0</i>		
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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,</i>				
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-24 19/12/1997 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release: #20: 5.0.0 #24: 5.1.0</i>		
	ETSI Publication 19/01/1998 5 . 1 . 1	<a href="#">get it</a>			
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<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,</i>				
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 11/11/1996 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #20: 5.0.0</i>		
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<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,</i>				
	smg-16 20/10/1995 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-17 02/02/1996 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release: #16: 5.0.0 #17: 5.1.0</i>		
	ETSI Publication 02/03/1996 5 . 1 . 2	<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>freeze_meeting:</i> smg-22								
	<i>history (event, available, version,</i>								
	smg-17 02/02/1996	5	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
	smg-18 12/04/1996	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
	smg-19 26/06/1996	5	.	2	.	0		<a href="#">get it</a>	GERAN#1:5.6.0
	smg-20 11/10/1996	5	.	2	.	1		<a href="#">get it</a>	
	ETSI publication 12/05/1997	5	.	2	.	2		<a href="#">get it</a>	
	smg-21 14/02/1997	5	.	3	.	0		<a href="#">get it</a>	
	ETSI publication 26/08/1997	5	.	3	.	1		<a href="#">get it</a>	
	smg-23 17/10/1997	5	.	4	.	0		<a href="#">get it</a>	
	smg-25 20/03/1998	5	.	5	.	0		<a href="#">get it</a>	
	ETSI publication 23/10/1998	5	.	5	.	1		<a href="#">get it</a>	
	GP-01 09/10/2000	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>freeze_meeting:</i> smg-22								
	<i>history (event, available, version,</i>								
	smg-20 11/10/1996	5	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
	ETSI publication 13/05/1997	5	.	0	.	1		<a href="#">get it</a>	<i>remarks - this release:</i>
	smg-30 11/11/1999	5	.	1	.	0		<a href="#">get it</a>	
	ETSI Publication 11/12/1999	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,

smg-17	02/02/1996	5	.	0	.	0
smg-18	12/04/1996	5	.	1	.	0
smg-19	28/06/1996	5	.	2	.	0
smg-20	11/10/1996	5	.	3	.	0
ETSI publication	13/05/1997	5	.	3	.	1
smg-21	14/02/1997	5	.	4	.	0
ETSI publication	26/08/1997	5	.	4	.	1
smg-22	13/06/1997	5	.	5	.	0
ETSI publication	02/02/1998	5	.	5	.	1
smg-23	17/10/1997	5	.	6	.	0
smg-24	19/12/1997	5	.	7	.	0
ETSI publication	17/06/1998	5	.	7	.	1
smg-25	20/03/1998	5	.	8	.	0
ETSI publication	23/10/1998	5	.	8	.	1
smg-26	26/06/1998	5	.	9	.	0
ETSI publication	11/12/1998	5	.	9	.	1
smg-27	16/10/1998	5	.	10	.	0
ETSI publication	09/03/1999	5	.	10	.	1
smg-29	25/06/1999	5	.	11	.	0
ETSI publication	22/12/1999	5	.	11	.	1
smg-30	11/11/1999	5	.	12	.	0
GP-01	09/10/2000	5	.	13	.	0

WG (prime / other): G1 / - rapporteur: SAMUELSSON, Mats  
G: yes U: MCC: USAI, Paolino

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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,

smg-18	12/04/1996	5	.	0	.	0
smg-19	28/06/1996	5	.	1	.	0
smg-20	11/10/1996	5	.	2	.	0
ETSI publication	03/06/1997	5	.	2	.	1
smg-21	14/02/1997	5	.	3	.	0
ETSI publication	26/08/1997	5	.	3	.	1
smg-22	13/06/1997	5	.	4	.	0
ETSI publication	31/12/1997	5	.	4	.	1
smg-23	17/10/1997	5	.	5	.	0
smg-24	19/12/1997	5	.	6	.	0
ETSI publication	17/06/1998	5	.	6	.	1
smg-25	20/03/1998	5	.	7	.	0
ETSI publication	23/10/1998	5	.	7	.	1
smg-26	26/06/1998	5	.	8	.	0
ETSI publication	10/12/1998	5	.	8	.	1
smg-27	16/10/1998	5	.	9	.	0
ETSI publication	09/03/1999	5	.	9	.	1
GP-01	10/10/2000	5	.	10	.	0

WG (prime / other): G1 / - rapporteur: EL-SAIGH, Amer  
G: yes U: MCC: USAI, Paolino

VODAFONE Group Plc

[get it](#) remarks - general:  
[get it](#) remarks - this release:  
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## TS 05.10 Radio subsystem synchronization

R96 current version: 5.4.1

freeze\_meeting: smg-22

history (event, available, version,

smg-18	12/04/1996	5	.	0	.	0
smg-20	11/10/1996	5	.	1	.	0
ETSI publication	03/06/1997	5	.	1	.	1
smg-23	17/10/1997	5	.	2	.	0
draft	19/03/1999	5	.	2	.	1
ETSI publication	04/08/1999	5	.	2	.	2
GP-01	10/10/2000	5	.	3	.	0
GP-02	24/11/2000	5	.	4	.	0
edito	30/11/2000	5	.	4	.	1

WG (prime / other): G1 / - rapporteur: JOKINEN, Harri  
G: yes U: MCC: USAI, Paolino

NOKIA MOBILE PHONES

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**TR 05.22 Radio link management in hierarchical networks**  
R96 *current version:* 5.0.0  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0

*WG (prime / other):* G1 / - *rapporteur:* VAN BUSSEL, Han T-MOBILE DEUTSCHLAND  
*G: yes U:* *MCC:* USAI, Paolino

[get it](#) *remarks - general:*  
*remarks - this release:* #20: 5.0.0

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**TR 05.50 Background for RF Requirements**  
R96 *current version:* 5.1.1  
*freeze\_meeting:* smg-22

*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0  
smg-21 14/02/1997 5 . 1 . 0  
smg-23 17/10/1997 5 . 1 . 1

*WG (prime / other):* G1 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*G: yes U:* *MCC:* Peter Skov  
USAI, Paolino

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #20: 5.0.0 #21: 5.1.0 #23: 5.1.1  
[get it](#)

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**TR 05.90 GSM Electromagnetic Compatibility (EMC) considerations**  
R96 *current version:* 5.0.0  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-20 28/05/1998 5 . 0 . 0 No proper source file available

*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 06.01 Full Rate Speech Processing Functions**  
R96 *current version:* 5.1.1  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0  
smg-23 17/10/1997 5 . 1 . 0  
ETSI Publication 17/11/1997 5 . 1 . 1

*WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*G: yes U:* *MCC:* USAI, Paolino

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
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## TS 06.02 Half Rate Speech Processing Functions

R96 *current version:* 5.0.1  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0  
ETSI Publication 11/11/1996 5 . 0 . 1

*WG (prime / other):* S4 / - *rapporteur:* AFTELAK, Steve  
*G: yes U:* MCC: USAI, Paolino

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[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #20: 5.0.0*

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## TS 06.06 Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec

R96 *current version:* 5.1.1  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0  
smg-22 13/06/1997 5 . 1 . 0  
smg-23 17/10/1997 5 . 1 . 1

*WG (prime / other):* S4 / - *rapporteur:* AFTELAK, Steve  
*G: yes U:* MCC: USAI, Paolino

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[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #20: 5.0.0 #22: 5.1.0 #23: 5.1.1*  
[get it](#)

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## TS 06.07 Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec

R96 *current version:* 5.2.1  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0  
smg-22 13/06/1997 5 . 1 . 0  
smg-23 17/10/1997 5 . 2 . 0  
ETSI Publication 17/11/1997 5 . 2 . 1

*WG (prime / other):* S4 / - *rapporteur:* AFTELAK, Steve  
*G: yes U:* MCC: USAI, Paolino

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[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #20: 5.0.0 #22: 5.1.0 #23: 5.2.0*  
[get it](#)  
[get it](#)

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## TR 06.08 Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec

R96 *current version:* 5.0.0  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0

*WG (prime / other):* S4 / - *rapporteur:* SALEM, Tarek  
*G: yes U:* MCC: USAI, Paolino

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[get it](#) *remarks - general:*  
*remarks - this release: #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,</i>					
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-23 17/10/1997 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-32 20/06/2000 5 . 2 . 0	<a href="#">get it</a>				
	ETSI Publication 04/01/2001 5 . 2 . 1	<a href="#">get it</a>				
	SP-12 29/06/2001 5 . 3 . 0	<a href="#">get it</a>				
<hr/>						
<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,</i>					
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-23 17/10/1997 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,</i>					
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI Publication 11/11/1996 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0			
	SP-12 29/06/2001 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,</i>					
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-22 13/06/1997 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0 #22: 5.1.0			
	ETSI Publication 13/07/1997 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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 11/11/1996 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #20: 5.0.0</i>		
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<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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-22 13/06/1997 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release: #20: 5.0.0 #22: 5.1.0</i>		
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<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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-23 17/10/1997 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #20: 5.0.0 #23: 5.0.1</i>		
<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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-23 17/10/1997 5 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release: #20: 5.0.0 #23: 5.0.2</i>		
	ETSI Publication 17/11/1997 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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-22 13/06/1997 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #20: 5.0.0 #22: 5.0.1 #23: 5.1.0</i>		
	smg-23 17/10/1997 5 . 1 . 0	<a href="#">get it</a>			
	ETSI Publication 17/11/1997 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>G: yes U:</i>	<i>MCC:</i> USAI, Paolino						
	<i>history (event, available, version,</i>								
	smg-20 11/10/1996 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>					
	smg-22 13/06/1997 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: yes U:</i>	<i>MCC:</i> USAI, Paolino						
	<i>history (event, available, version,</i>								
	smg-17 02/02/1996 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>					
	smg-19 28/06/1996 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 11/10/1996 5 . 1 . 1		<a href="#">get it</a>						
	ETSI publication 28/03/1997 5 . 1 . 2		<a href="#">get it</a>						
	smg-32 20/06/2000 5 . 2 . 0		<a href="#">get it</a>						
	ETSI publication 5 . 2 . 1								
	SP-10 20/12/2000 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: yes U:</i>	<i>MCC:</i> USAI, Paolino						
	<i>history (event, available, version,</i>								
	smg-17 02/02/1996 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>					
	smg-19 28/06/1996 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>					
	smg-20 11/10/1996 5 . 1 . 1		<a href="#">get it</a>						
	ETSI publication 13/01/2000 5 . 1 . 2		<a href="#">get it</a>						
	smg-23 17/10/1997 5 . 1 . 3		<a href="#">get it</a>						

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## TS 06.54 Test sequences for the GSM Enhanced Full Rate (EFR)

R96 *current version:* 5.3.0  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0  
smg-22 13/06/1997 5 . 1 . 0  
ETSI publication 27/02/1998 5 . 1 . 1  
smg-32 20/06/2000 5 . 2 . 0  
SP-10 20/12/2000 5 . 3 . 0

*WG (prime / other):* S4 / - *rapporteur:* JÄRVINEN, Kari  
*G: yes U:* MCC: USAI, Paolino

NOKIA Corporation

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

## TR 06.55 Performance characterisation of the GSM EFR Speech Codec

R96 *current version:* 5.0.0  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-19 28/06/1996 5 . 0 . 0

*WG (prime / other):* S4 / - *rapporteur:* SALEM, Tarek  
*G: yes U:* MCC: USAI, Paolino

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[get it](#) *remarks - general:*  
*remarks - this release:* #19: 5.0.0

## TS 06.60 Enhanced full rate speech transcoding

R96 *current version:* 5.2.1  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-17 02/02/1996 5 . 0 . 0  
smg-19 28/06/1996 5 . 1 . 0  
smg-20 11/10/1996 5 . 1 . 1  
smg-23 17/10/1997 5 . 1 . 3  
smg-25 20/03/1998 5 . 2 . 0  
ETSI Publication 20/04/1998 5 . 2 . 1

*WG (prime / other):* S4 / - *rapporteur:* JÄRVINEN, Kari  
*G: yes U:* MCC: USAI, Paolino

NOKIA Corporation

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #17: 5.0.0 #19: 5.1.0 #20: 5.1.1 #23: 5.1.3 #25: 5.2.0  
[get it](#)  
[get it](#)  
[get it](#)

## TS 06.61 Substitution and muting of lost frames for enhanced full rate speech traffic channels

R96 *current version:* 5.1.2  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-17 02/02/1996 5 . 0 . 0  
smg-19 28/06/1996 5 . 1 . 0  
smg-20 11/10/1996 5 . 1 . 1  
ETSI Publication 11/11/1996 5 . 1 . 2

*WG (prime / other):* S4 / - *rapporteur:* JÄRVINEN, Kari  
*G: yes U:* MCC: USAI, Paolino

NOKIA Corporation

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #17: 5.0.0 #19: 5.1.0 #20: 5.1.1  
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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,*  
smg-17 02/02/1996 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-19 28/06/1996 5 . 1 . 0 [get it](#) *remarks - this release:* #17: 5.0.0 #19: 5.1.0 #20: 5.1.1 #23: 5.1.3  
smg-20 11/10/1996 5 . 1 . 1 [get it](#)  
ETSI publication 28/03/1997 5 . 1 . 2 [get it](#)  
smg-23 17/10/1997 5 . 1 . 3 [get it](#)

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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,*  
smg-17 02/02/1996 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-19 28/06/1996 5 . 1 . 0 [get it](#) *remarks - this release:* #17: 5.0.0 #19: 5.1.0 #20: 5.1.1 #22: 5.1.2 #30: 5.2.0  
smg-20 11/10/1996 5 . 1 . 1 [get it](#)  
smg-22 13/06/1997 5 . 1 . 2 [get it](#)  
smg-30 11/11/1999 5 . 2 . 0 [get it](#)  
ETSI Publication 09/05/2000 5 . 2 . 1 [get it](#)

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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,*  
smg-17 02/02/1996 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-20 11/10/1996 5 . 0 . 2 [get it](#) *remarks - this release:* #17: 5.0.0 #20: 5.0.2 #22: 5.0.3  
smg-22 13/06/1997 5 . 0 . 3 [get it](#)

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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,*  
smg-26 26/06/1998 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #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,

smg-16	20/10/1995	5	.	0	.	0	<a href="#">get it</a>	remarks - general:
smg-17	02/02/1996	5	.	0	.	1	<a href="#">get it</a>	remarks - this release:
smg-18	12/04/1996	5	.	1	.	1	<a href="#">get it</a>	
smg-19	28/06/1996	5	.	2	.	0	<a href="#">get it</a>	
smg-20	11/10/1996	5	.	3	.	0	<a href="#">get it</a>	
smg-21	14/02/1997	5	.	4	.	0	<a href="#">get it</a>	
smg-22	13/06/1997	5	.	5	.	0	<a href="#">get it</a>	
smg-23	17/10/1997	5	.	6	.	0	<a href="#">get it</a>	
smg-24	19/12/1997	5	.	7	.	0	<a href="#">get it</a>	
smg-25	20/03/1998	5	.	8	.	0	<a href="#">get it</a>	
smg-28	12/02/1999	5	.	9	.	0	<a href="#">get it</a>	
ETSI Publication	12/03/1999	5	.	9	.	1	<a href="#">get it</a>	

## 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,

smg-16	20/10/1995	5	.	0	.	0	<a href="#">get it</a>	remarks - general:
smg-18	12/04/1996	5	.	1	.	0	<a href="#">get it</a>	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
smg-20	11/10/1996	5	.	1	.	1	<a href="#">get it</a>	
smg-21	14/02/1997	5	.	2	.	0	<a href="#">get it</a>	
smg-22	13/06/1997	5	.	3	.	0	<a href="#">get it</a>	
smg-23	17/10/1997	5	.	4	.	0	<a href="#">get it</a>	
smg-24	19/12/1997	5	.	5	.	0	<a href="#">get it</a>	
ETSI Publication	19/01/1998	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,*

smg-18	12/04/1996	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-20	11/10/1996	5	.	0	.	1	<a href="#">get it</a> <i>remarks - this release: #18: 5.0.0 #20: 5.0.1 #21: 5.1.0 #22: 5.2.0 #23: 5.3.0 #24: 5.4.0</i>
smg-21	14/02/1997	5	.	1	.	0	<a href="#">get it</a>
smg-22	13/06/1997	5	.	2	.	0	<a href="#">get it</a>
smg-23	17/10/1997	5	.	3	.	0	<a href="#">get it</a>
smg-24	19/12/1997	5	.	4	.	0	<a href="#">get it</a>
ETSI Publication	19/01/1998	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,*

smg-19	28/06/1996	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-20	11/10/1996	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
smg-21	14/02/1997	5	.	2	.	0	<a href="#">get it</a>
smg-22	13/06/1997	5	.	3	.	0	<a href="#">get it</a>
smg-23	17/10/1997	5	.	4	.	0	<a href="#">get it</a>
smg-24	19/12/1997	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,*

smg-19	28/06/1996	5	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-20	11/10/1996	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
smg-21	14/02/1997	5	.	2	.	0	<a href="#">get it</a>
smg-22	13/06/1997	5	.	3	.	0	<a href="#">get it</a>
smg-23	17/10/1997	5	.	4	.	0	<a href="#">get it</a>
smg-24	19/12/1997	5	.	5	.	0	<a href="#">get it</a>
smg-25	20/03/1998	5	.	6	.	0	<a href="#">get it</a>
smg-26	26/06/1998	5	.	7	.	0	<a href="#">get it</a>
smg-27	16/10/1998	5	.	8	.	0	<a href="#">get it</a>
smg-29	25/06/1999	5	.	9	.	0	<a href="#">get it</a>
ETSI Publication	25/07/1999	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  
*freeze\_meeting:* smg-22

*WG (prime / other):* T2 / - *rapporteur:* RODERMUND, Vodafone D2 GmbH  
Friedhelm  
*G: yes U:* *MCC:* RODERMUND, Friedhelm

*history (event, available, version,*

smg-20 11/10/1996 5 . 0 . 0  
smg-21 14/02/1997 5 . 1 . 0  
smg-24 19/12/1997 5 . 2 . 0  
ETSI Publication 19/01/1998 5 . 2 . 1

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #20: 5.0.0 #21: 5.1.0 #24: 5.2.0  
[get it](#)  
[get it](#)

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**TS 07.60 General Packet Radio Service (GPRS); Mobile Station (MS) supporting GPRS**

R96 *current version:* 5.1.0  
*freeze\_meeting:* smg-22

*WG (prime / other):* N3 / - *rapporteur:* WILD, Johanna MOTOROLA Ltd  
BOSWARTHICK, David  
*G: yes U:* *MCC:*

*history (event, available, version,*

smg-24 19/12/1997 5 . 1 . 0

[get it](#) *remarks - general:*  
*remarks - this release:* #24: 5.1.0

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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 08.01 General Aspects on the BSS-MSC Interface**

R96 *current version:* 5.0.0  
*freeze\_meeting:* smg-22

*WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
*G: yes U:* *MCC:* THOMASEN, Gert

*history (event, available, version,*

smg-20 11/10/1996 5 . 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**

R96 *current version:* 5.1.0  
*freeze\_meeting:* smg-22

*WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
*G: yes U:* *MCC:* THOMASEN, Gert

*history (event, available, version,*

smg-20 11/10/1996 5 . 0 . 0  
smg-21 14/02/1997 5 . 1 . 0

[get it](#) *remarks - general:*  
[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**  
R96 *current version:* 5.0.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* smg-22 G: yes U: MCC: THOMASEN, Gert  
*history (event, available, version,*  
smg-20 11/10/1996 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 MOTOROLA A/S  
*freeze\_meeting:* smg-22 G: yes U: MCC: THOMASEN, Gert  
*history (event, available, version,*  
smg-17 02/02/1996 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-18 12/04/1996 5 . 1 . 0 [get it](#) *remarks - this release:*  
smg-25 20/03/1998 5 . 2 . 0 [get it](#)  
smg-28 12/02/1999 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 MOTOROLA A/S  
*freeze\_meeting:* smg-22 G: yes U: MCC: THOMASEN, Gert  
*history (event, available, version,*  
smg-16 20/10/1995 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-17 02/02/1996 5 . 1 . 0 [get it](#) *remarks - this release:*  
smg-18 5 . 2 . 0  
smg-19 5 . 3 . 0  
smg-20 11/10/1996 5 . 4 . 0 [get it](#)  
smg-21 14/02/1997 5 . 5 . 0 [get it](#)  
smg-22 13/06/1997 5 . 6 . 0 [get it](#)  
smg-23 5 . 7 . 0  
smg-24 5 . 8 . 0  
smg-25 5 . 9 . 0  
smg-28 29/06/1998 5 . 10 . 0 [get it](#)  
smg-29 25/06/1999 5 . 11 . 0 [get it](#)  
smg-31b 17/04/2000 5 . 12 . 0 [get it](#)

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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:	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version,</i>					
	smg-24 19/12/1997 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:	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version,</i>					
	smg-20 11/10/1996 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-21 14/02/1997 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-22 13/06/1997 5 . 2 . 0		<a href="#">get it</a>			
	smg-24 19/12/1997 5 . 3 . 0		<a href="#">get it</a>			
	NP-11 04/04/2001 5 . 4 . 0		<a href="#">get it</a>			
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<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	MOTOROLA A/S		
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> Peter Skov THOMASEN, Gert			
	<i>history (event, available, version,</i>					
	smg-20 11/10/1996 5 . 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 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, Nels	MOTOROLA A/S		
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> Peter Skov THOMASEN, Gert			
	<i>history (event, available, version,</i>					
	smg-20 11/10/1996 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	current version: 5.0.0 freeze_meeting: smg-22	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	history (event, available, version, smg-16 20/10/1995 5 . 0 . 0	G: yes U:	MCC: THOMASEN, Gert		<a href="#">get it</a> remarks - general: remarks - this release:
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<b>TS 08.56</b>	<b>BSC-BTS Layer 2; Specification</b>				
R96	current version: 5.0.0 freeze_meeting: smg-22	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	history (event, available, version, smg-20 11/10/1996 5 . 0 . 0	G: yes U:	MCC: THOMASEN, Gert		<a href="#">get it</a> remarks - general: remarks - this release:
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<b>TS 08.58</b>	<b>Base Station Controller- Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification</b>				
R96	current version: 5.10.0 freeze_meeting: smg-22	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	history (event, available, version, smg-16 20/10/1995 5 . 0 . 0 smg-17 02/02/1996 5 . 1 . 0  smg-19 28/06/1996 5 . 2 . 0 smg-21 14/02/1997 5 . 3 . 0 smg-22 13/06/1997 5 . 4 . 0 smg-23 17/10/1997 5 . 5 . 0 smg-24 19/12/1997 5 . 6 . 0 smg-25 20/03/1998 5 . 7 . 0 smg-26 26/06/1998 5 . 8 . 0 smg-29 25/06/1999 5 . 9 . 0 smg-30 11/11/1999 5 . 10 . 0	G: yes U:	MCC: THOMASEN, Gert		<a href="#">get it</a> remarks - general: <a href="#">get it</a> remarks - this release: #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: 5.7.0 #26: 5.8.0 #29: 5.9.0 #30: 5.10.0

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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 MOTOROLA A/S  
*freeze\_meeting:* smg-22 G: yes U: *MCC:* USAI, Paolino

*history (event, available, version,*  
smg-17 02/02/1996 5 . 0 . 0 [get it](#) *remarks - general:* 2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.  
smg-19 28/06/1996 5 . 0 . 1 [get it](#) *remarks - this release:*  
smg-20 11/10/1996 5 . 0 . 2 [get it](#)  
smg-22 13/06/1997 5 . 1 . 0 [get it](#)  
ETSI Publication 13/07/1997 5 . 1 . 1 [get it](#)

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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 MOTOROLA A/S  
*freeze\_meeting:* smg-22 G: yes U: *MCC:* USAI, Paolino

*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0 [get it](#) *remarks - general:* 2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.  
ETSI Publication 11/11/1996 5 . 0 . 1 [get it](#) *remarks - this release:*

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R96

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,*  
smg-20 11/10/1996 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:*

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## TS 09.02 Mobile Application Part (MAP) Specification

R96 current version: 5.18.0

freeze\_meeting: smg-22

history (event, available, version,

smg-16	20/10/1995	5	.	0	.	0
smg-17	02/02/1996	5	.	1	.	0
smg-18	12/04/1996	5	.	2	.	0
smg-19	28/06/1996	5	.	3	.	0
smg-20	11/10/1996	5	.	4	.	0
ETSI publication	03/06/1997	5	.	4	.	1
smg-21	14/02/1997	5	.	5	.	0
edito	23/05/1997	5	.	5	.	1
ETSI publication	05/11/1997	5	.	5	.	2
smg-22	13/06/1997	5	.	6	.	0
ETSI publication	02/02/1998	5	.	6	.	1
smg-23	17/10/1997	5	.	7	.	0
smg-24	19/12/1997	5	.	8	.	0
ETSI publication	23/07/1998	5	.	8	.	1
smg-25	20/03/1998	5	.	9	.	0
ETSI publication	09/03/1999	5	.	9	.	1
smg-26	26/06/1998	5	.	10	.	0
ETSI publication	05/09/1999	5	.	10	.	1
smg-27	16/10/1998	5	.	11	.	0
ETSI publication	23/03/1999	5	.	11	.	1
smg-28	12/02/1999	5	.	12	.	0
ETSI publication	04/08/1999	5	.	12	.	1
smg-29	25/06/1999	5	.	13	.	0
ETSI publication	29/12/1999	5	.	13	.	1
NP-05	08/10/1999	5	.	14	.	0
ETSI publication	09/05/2000	5	.	14	.	1
NP-06	15/12/1999	5	.	15	.	0
NP-09	13/11/2000	5	.	16	.	0
NP-15	04/04/2002	5	.	17	.	0
include SDLs	22/07/2002	5	.	17	.	1
NP-19	04/04/2003	5	.	18	.	0

WG (prime / other): N4 / -

G: yes U:

rapporteur: WIEHE, Ulrich

MCC: KYMALAINEN, Kimmo

Gesellschaft für Kommunikations Software

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remarks - general: CN->N4 Apr00 (JMM)

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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		G: yes U:			MCC:	BOSWARTHICK, David		
	<i>history (event, available, version,</i> smg-20 11/10/1996 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		G: yes U:			MCC:	BOSWARTHICK, David		
	<i>history (event, available, version,</i> smg-20 11/10/1996 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		G: yes U:			MCC:	BOSWARTHICK, David		
	<i>history (event, available, version,</i> smg-20 11/10/1996 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			
<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>								
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		G: yes U:			MCC:	BOSWARTHICK, David		
	<i>history (event, available, version,</i> smg-19 28/06/1996 5 . 0 . 0 smg-20 11/10/1996 5 . 0 . 1 ETSI Publication 11/11/1996 5 . 0 . 2			<a href="#">get it</a>	<i>remarks - general:</i>	N3: "no R99 needed".			
				<a href="#">get it</a>	<i>remarks - this release:</i>	#19: 5.0.0 #20: 5.0.1			
				<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>								
R96	<i>current version: Network (PSTN)</i>	5.10.1	WG (prime / other):	N3	/-	<i>rapporteur:</i>	KLEHN, Norbert		
SIEMENS AG									
	<i>freeze_meeting: smg-22</i>		G: yes	U:		MCC:	BOSWARTHICK, David		
	<i>history (event, available, version,</i>								
	smg-16 20/10/1995	5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-17 02/02/1996	5 . 0 . 1				<a href="#">get it</a>	<i>remarks - this release: #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</i>		
							<i>#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</i>		
	smg-18 12/04/1996	5 . 1 . 0				<a href="#">get it</a>			
	smg-19 28/06/1996	5 . 2 . 0				<a href="#">get it</a>			
	smg-20 11/10/1996	5 . 2 . 1				<a href="#">get it</a>			
	smg-21 14/02/1997	5 . 3 . 0				<a href="#">get it</a>			
	smg-22 13/06/1997	5 . 4 . 0				<a href="#">get it</a>			
	smg-23 17/10/1997	5 . 5 . 0				<a href="#">get it</a>			
	smg-24 19/12/1997	5 . 6 . 0				<a href="#">get it</a>			
	smg-25 20/03/1998	5 . 7 . 0				<a href="#">get it</a>			
	smg-27 16/10/1998	5 . 8 . 0				<a href="#">get it</a>			
	smg-28 12/02/1999	5 . 9 . 0				<a href="#">get it</a>			
	NP-06 15/12/1999	5 . 10 . 0				<a href="#">get it</a>			
	ETSI Publication 05/07/2000	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>		WG (prime / other):	N1	/-	<i>rapporteur:</i>	FARHOUMAND, Ericsson Incorporated		
	<i>freeze_meeting: smg-22</i>								
	<i>history (event, available, version,</i>								
	smg-20 11/10/1996	5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-21 14/02/1997	5 . 1 . 0				<a href="#">get it</a>	<i>remarks - this release: #20: 5.0.0 #21: 5.1.0</i>		

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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	WG (prime / other):	N4	/-	<i>rapporteur:</i>	KYMALAINEN, Kimmo		
TeliaSonera AB									
	<i>freeze_meeting: smg-22</i>		G: yes	U:		MCC:	KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>								
	smg-17 02/02/1996	5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-18 12/04/1996	5 . 1 . 0				<a href="#">get it</a>	<i>remarks - this release: #17: 5.0.0 #18: 5.1.0 #23: 5.2.0</i>		
	smg-23 17/10/1997	5 . 2 . 0				<a href="#">get it</a>			

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

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## TS 09.11 Signalling Interworking for Supplementary Services

R96 *current version:* 5.1.0  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-18 12/04/1996 5 . 0 . 0  
smg-19 28/06/1996 5 . 1 . 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:* #18: 5.0.0 #19: 5.1.0

## TS 09.78 CAMEL Application Part phase 2 (stage 3)

R96 *current version:* 5.7.0  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-21 14/02/2000 5 . 0 . 0  
smg-22 13/06/1997 5 . 1 . 0  
smg-23 17/10/1997 5 . 2 . 0  
smg-24 19/12/1997 5 . 3 . 0  
smg-25 20/03/1998 5 . 4 . 0  
smg-26 26/06/1998 5 . 5 . 0  
smg-28 12/02/1999 5 . 6 . 0  
smg-29 25/06/1999 5 . 7 . 0

*WG (prime / other):* N2 / - *rapporteur:* NOLDUS, Rogier Telefon AB LM Ericsson  
*G: yes U:* *MCC:* JURISIC, Andrijana  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

## TR 09.90 Interworking between Phase 1 Infrastructure and Phase 2 Mobile Stations (MS)

R96 *current version:* 5.1.0  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-17? 02/02/1996 5 . 0 . 0  
smg-22 02/01/2001 5 . 1 . 0

*WG (prime / other):* N1 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*G: yes U:* *MCC:* JORGENSEN, Per Johan  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*

## TR 09.94 Recommended infrastructure measures to overcome specific Mobile Station (MS) faults

R96 *current version:* 5.1.1  
*freeze\_meeting:* smg-21  
*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0 withdrawn SMG-30; reinstated NP-16  
NP-16 26/06/2002 5 . 1 . 0  
edito post NP-18 16/12/2002 5 . 1 . 1 minor editorials to change style from  
TS to TR.

*WG (prime / other):* N1 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
*G: yes U:* *MCC:* JORGENSEN, Per Johan  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* 2002-05-02 (Hietalahti): Anticipate resurrection as null document pointing to latest  
Release version.

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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,*  
smg-19 5 . 0 . 0 *remarks - general:*  
smg-19 5 . 1 . 0 *remarks - this release:* Jun00: version we have is actually 5.1.2 !  
edito 5 . 1 . 2  
smg-20 5 . 2 . 0  
Editorial correction 11/11/1996 5 . 2 . 1 [get it](#)

## 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,*  
smg-21 14/02/1997 1 . 0 . 0 [get it](#) *remarks - general:*  
smg-25 20/03/1998 1 . 1 . 0 [get it](#) *remarks - this release:* #21: 1.0.0 #25: 1.1.0->5.0.0 #28:5.1.0  
smg-25 20/03/1998 5 . 0 . 0 [get it](#)  
smg-28 12/02/1999 5 . 1 . 0 [get it](#)

## 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,*  
smg-22 18/06/1997 1 . 0 . 0 [get it](#) *remarks - general:* still alive? June-2001:no. So no propogation to later releases.  
smg-22 23/07/1997 1 . 0 . 1 [get it](#) *remarks - this release:*  
smg-22 2 . 0 . 0  
smg-22 5 . 0 . 0

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 *freeze\_meeting:* smg-22  
*WG (prime / other):* G3ne / S1 / NP / T2 / SCP *rporteur:* SALMERON, Lidia TELEPLUS LIMITED

*G:* yes *U:* *MCC:* CLAYTON, Michael

*history (event, available, version,*

smg-18 12/04/1996 5 . 0 . 0  
smg-21 14/02/1997 5 . 1 . 0

[get it](#)  
[get it](#)

*remarks - general:* R99 version now serves all releases. Earlier releases closed.. Subsequently  
*remarks - this release:* #31bis: closed (R99 version serves all releases) replaced by Rel-5 equivalent. 2001-

11-19: G4->G5.

smg-22 13/06/1997 5 . 2 . 0  
smg-23 17/10/1997 5 . 3 . 0  
smg-24 19/12/1997 5 . 4 . 0  
smg-25 20/03/1998 5 . 5 . 0  
smg-26 06/06/1998 5 . 6 . 0  
smg-27 16/10/1998 5 . 7 . 0  
smg-28 12/02/1999 5 . 8 . 0  
smg-29 25/06/1999 5 . 9 . 0  
smg-30 11/11/1999 5 . 10 . 0  
smg-31 16/02/2000 5 . 11 . 0

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Editorial correction 16/02/2000 5 . 11 . 1  
GP-06 06/09/2001 5 . 12 . 0  
Editorial correction 01/08/2002 5 . 12 . 1  
Editorial correction 02/08/2002 5 . 12 . 2

[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

## TS 11.10-3 Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)

R96 *current version:* 5.1.0 *freeze\_meeting:* smg-22  
*WG (prime / other):* G3ne / S1 / NP / T2 / SCP *rporteur:* SALMERON, Lidia TELEPLUS LIMITED

*G:* yes *U:* *MCC:* CLAYTON, Michael

*history (event, available, version,*

smg-30 11/11/1999 5 . 0 . 0  
smg-18 12/04/1996 5 . 0 . 0  
ETSI publication 23/06/2000 5 . 0 . 1  
GP-06 06/09/2001 5 . 1 . 0

[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

*remarks - general:* 2001-11-19: G4->G5.  
*remarks - this release:* #32:closed GP-06: Rel-4 serves all releases. But this version still exists!

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<b>TS 11.10-4</b>	<b>Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification</b>	WG (prime / other): T3 / G2, G3ne w	rapporteur: SALMERON, Lidia	TELEPLUS LIMITED
R96	current version: 5.6.0 freeze_meeting: smg-22	G: yes U:	MCC: DIETZE, Claus	
<i>history (event, available, version,</i>				
	smg-30 11/11/1999 5 . 0 . 0	<a href="#">get it</a>	remarks - general:	TP-17: T3 proposes to take over this spec from G5, and to approve a new R99
	smg-31 16/02/2000 5 . 1 . 0	<a href="#">get it</a>	remarks - this release:	GP-06: Rel-4 serves all releases. TP-17: T3 proposes to take over this spec from version
not derived from R96 by CR; also to withdraw the R96 version, since the				
version will cover all previous Releases. TP-20: accepted by T3 (from G4).				
	editorial 15/09/2000 5 . 1 . 1	<a href="#">get it</a>		G5, and to approve a new R99 version not derived from R96 by CR; also to R99
	GP-02 30/11/2000 5 . 2 . 0	<a href="#">get it</a>		withdraw the R96 version, since the R99 version will cover all previous Releases.
	GP-04 29/03/2001 5 . 3 . 0	<a href="#">get it</a>		
	GP-04 11/04/2001 5 . 3 . 0	<a href="#">get it</a>		
	GP-06 31/08/2001 5 . 4 . 0	<a href="#">get it</a>		
	GP-07 09/01/2002 5 . 5 . 0	<a href="#">get it</a>		
	GP-13 21/02/2003 5 . 6 . 0	<a href="#">get it</a>		
<hr/>				
<b>TS 11.11</b>	<b>Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface</b>	WG (prime / other): T3 / -	rapporteur: GUTHERY, Scott B.	Mobile-Mind Inc.
R96	current version: 5.10.1 freeze_meeting: smg-22	G: yes U:	MCC: DIETZE, Claus	
<i>history (event, available, version,</i>				
	smg-16 20/10/1995 5 . 0 . 0	<a href="#">get it</a>	remarks - general:	
	smg-17 02/02/1996 5 . 1 . 0	<a href="#">get it</a>	remarks - this release:	
	smg-18 12/04/1996 5 . 2 . 0	<a href="#">get it</a>		
	smg-19 28/06/1996 5 . 3 . 0	<a href="#">get it</a>		
	smg-20 11/10/1996 5 . 4 . 0	<a href="#">get it</a>		
	smg-21 14/02/1997 5 . 5 . 0	<a href="#">get it</a>		
	smg-22 13/06/1997 5 . 6 . 0	<a href="#">get it</a>		
	smg-23 17/10/1997 5 . 7 . 0	<a href="#">get it</a>		
	smg-24 19/12/1997 5 . 8 . 0	<a href="#">get it</a>		
	smg-25 20/03/1998 5 . 9 . 0	<a href="#">get it</a>		
	smg-26 26/06/1998 5 . 10 . 0	<a href="#">get it</a>		
	Editorial correction 26/06/1998 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	current version: 5.9.0	WG (prime / other):	T3 / -	rapporteur:	WOODSEND, Kristian	Indicate persons who left Company and wait for new One
	freeze_meeting: smg-27	G: yes	U:	MCC:	DIETZE, Claus	
<i>history (event, available, version,</i>						
	smg-18	12/04/1996	5 . 0 . 0	<a href="#">get it</a>	remarks - general:	
	smg-19	28/06/1996	5 . 1 . 0	<a href="#">get it</a>	remarks - this release:	
	smg-20	11/10/1996	5 . 2 . 0	<a href="#">get it</a>		
	smg-21	14/02/1997	5 . 3 . 0	<a href="#">get it</a>		
	smg-22	13/06/1997	5 . 4 . 0	<a href="#">get it</a>		
	smg-23	17/10/1997	5 . 5 . 0	<a href="#">get it</a>		
	smg-24	19/12/1997	5 . 6 . 0	<a href="#">get it</a>		
	smg-25	20/03/1998	5 . 7 . 0	<a href="#">get it</a>		
	smg-26	26/06/1998	5 . 8 . 0	<a href="#">get it</a>		
	smg-27	16/10/1998	5 . 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>					
R96	current version: 5.2.1	WG (prime / other):	G1 / -	rapporteur:	VACANT,	
	freeze_meeting: smg-22	G: yes	U:	MCC:	USAI, Paolino	
<i>history (event, available, version,</i>						
	<to be defined>		5 . 0 . 0		remarks - general:	
	smg-25	20/03/1998	5 . 1 . 0	<a href="#">get it</a>	remarks - this release: .	
	smg-26	26/06/1998	5 . 2 . 0	<a href="#">get it</a>		
	Editorial correction	26/06/1998	5 . 2 . 1	<a href="#">get it</a>		

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<b>TS 12.02</b>	<b>Subscriber, Mobile Equipment (ME) and Services Data Administration</b>					
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	
<i>history (event, available, version,</i>						
	smg-22	13/06/1997	5 . 0 . 0	<a href="#">get it</a>	remarks - general:	
	Editorial correction	13/07/1997	5 . 0 . 1	<a href="#">get it</a>	remarks - this release:	

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**TS 12.05 Subscriber Related Call and Event Data**

R96 *current version:* 5.0.1  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-23 17/10/1997 5 . 0 . 0  
Editorial correction 17/10/1997 5 . 0 . 1

*WG (prime / other):* S5 / S1 *rapporteur:* ALEXANDER, Benni NOKIA Corporation  
*G: yes U:* *MCC:* ZOICAS, Adrian

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

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**TS 12.08 Subscriber and Equipment trace**

R96 *current version:* 5.1.1  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-23 17/10/1997 5 . 0 . 0  
smg-25 20/03/1998 5 . 1 . 0  
Editorial correction 20/03/1998 5 . 1 . 1

*WG (prime / other):* S5 / NP *rapporteur:* RONKA, Kari NOKIA Corporation  
*G: yes U:* *MCC:* ZOICAS, Adrian

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

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**TS 12.21 Network Management (NM) procedures and messages on the A-bis interface**

R96 *current version:* 5.0.0  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-21 14/02/1997 5 . 0 . 0

*WG (prime / other):* G1 / S5 *rapporteur:* TRUSS, Michael MOTOROLA Ltd  
*G: yes U:* *MCC:* USAI, Paolino

[get it](#) *remarks - general:* SP-13: S5->G3 but no change of rapporteur.  
*remarks - this release:*

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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,*  
SP-20 25/06/2003 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 / *rapporteur:* JORGENSEN, Niels H. TDC TELE DANMARK A/S  
*freeze\_meeting:* smg-11b G: yes U: *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
smg-07 25/06/1993 4 . 0 . 1 [get it](#) *remarks - general:*  
smg-08 01/10/1993 4 . 0 . 2 [get it](#) *remarks - this release:*

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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,*  
smg-08 01/10/1993 4 . 0 . 1 [get it](#) *remarks - general:*  
smg-09 21/01/1994 4 . 0 . 3 [get it](#) *remarks - this release:*  
smg-10 15/04/1994 4 . 0 . 4 [get it](#)  
smg-11 01/07/1994 4 . 1 . 0 [get it](#)  
smg-12 07/10/1994 4 . 1 . 1 [get it](#)  
smg-14 07/04/1994 4 . 1 . 2 [get it](#)

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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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<b>TS 02.01</b>	<b>Principles of telecommunication services supported by a GSM Public Land Mobile Network (PLMN)</b>					
Ph2	<i>current version:</i> 4.6.0	<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,</i>					
	smg-07 25/06/1993 4 . 2 . 1	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-08 01/10/1993 4 . 3 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-10 15/04/1994 4 . 4 . 0	<a href="#">get it</a>				
	smg-11 01/07/1994 4 . 4 . 1	<a href="#">get it</a>				
	smg-12 07/10/1994 4 . 5 . 0	<a href="#">get it</a>				
	smg-15 07/07/1995 4 . 6 . 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>					
Ph2	<i>current version:</i> 4.2.2	<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,</i>					
	smg-07 25/06/1993 4 . 1 . 1	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-08 01/10/1993 4 . 2 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	PT12 final draft 09/05/1994 4 . 2 . 1	<a href="#">get it</a>				
	ETSI publication 10/06/1998 4 . 2 . 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>					
Ph2	<i>current version:</i> 4.3.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CONRAD, Alan	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> smg-11b	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	smg-07 25/06/1993 4 . 2 . 2	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-11 01/07/1994 4 . 3 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	ETSI publication 19/01/1996 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,</i>					
	smg-07 25/06/1993 4 . 5 . 1	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-08 01/10/1993 4 . 6 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-10 15/04/1994 4 . 7 . 0	<a href="#">get it</a>				
	smg-12 07/10/1994 4 . 8 . 0	<a href="#">get it</a>				
	smg-15 07/07/1995 4 . 9 . 0	<a href="#">get it</a>				
	smg-16 20/10/1995 4 . 9 . 1	<a href="#">get it</a>				

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## TS 02.06 Types of Mobile Stations (MS)

Ph2 *current version:* 4.5.2  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*  
smg-07 25/06/1993 4 . 1 . 1  
smg-08 01/10/1993 4 . 2 . 0  
smg-14 07/04/1995 4 . 3 . 0  
smg-16 07/07/1995 4 . 4 . 0  
smg-22 13/06/1997 4 . 5 . 0  
ETSI OAP 21/07/1997 4 . 5 . 1  
ETSI publication 14/01/1998 4 . 5 . 2

*WG (prime / other):* S1 / - *rapporteur:* JEAL, David VODAFONE Group Plc  
*G: yes U:* *MCC:* CLAYTON, Michael

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

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## TS 02.07 Mobile Station (MS) Features

Ph2 *current version:* 4.8.2  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*  
smg-07 25/06/1993 4 . 4 . 1  
smg-08 01/10/1993 4 . 4 . 2  
smg-10 15/04/1994 4 . 5 . 0  
smg-11 01/07/1994 4 . 6 . 0  
smg-15 07/07/1995 4 . 7 . 0  
smg-22 13/06/1997 4 . 8 . 0  
ETSI OAP 21/07/1997 4 . 8 . 1  
ETSI publication 14/01/1998 4 . 8 . 2

*WG (prime / other):* S1 / - *rapporteur:* JEAL, David VODAFONE Group Plc  
*G: yes U:* *MCC:* CLAYTON, Michael

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

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## TS 02.09 Security aspects

Ph2 *current version:* 4.5.1  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*  
smg-07 25/06/1993 4 . 2 . 1  
smg-12 07/10/1994 4 . 3 . 0  
smg-22 13/06/1997 4 . 4 . 0  
ETSI publication 14/01/1998 4 . 4 . 1  
smg-31 16/02/2000 4 . 5 . 0  
ETSI publication 29/08/2000 4 . 5 . 1

*WG (prime / other):* S3 / S1 / *rapporteur:* CHRISTOFFERSSON, Telia Promotor AB  
NP  
*G: yes U:* *MCC:* POPE, Maurice

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

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<b>TS 02.11</b>	<b>Service Accessibility</b>							
Ph2	<i>current version:</i> 4.9.0							
	<i>freeze_meeting:</i> smg-11b							
	<i>history (event, available, version,</i>							
	smg-07 25/06/1993	4	.	5	.	1		
	smg-10 15/04/1994	4	.	6	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	ETSI OAP 21/08/1995	4	.	7	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
	smg-16 20/10/1995	4	.	8	.	0	<a href="#">get it</a>	
	smg-17 02/02/1996	4	.	9	.	0	<a href="#">get it</a>	
<b>TS 02.16</b>	<b>International Mobile Station Equipment Identities (IMEI)</b>							
Ph2	<i>current version:</i> 4.7.1							
	<i>freeze_meeting:</i> smg-11b							
	<i>history (event, available, version,</i>							
	smg-07 25/06/1993	4	.	3	.	1	<a href="#">get it</a>	<i>remarks - general:</i>
	smg-12 07/10/1994	4	.	4	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
	smg-13 27/01/1995	4	.	5	.	0	<a href="#">get it</a>	
	smg-30 11/11/1999	4	.	6	.	0	<a href="#">get it</a>	
	ETSI publication 07/07/2000	4	.	6	.	1	<a href="#">get it</a>	
	smg-08 01/10/1993	4	.	7	.	0	<a href="#">get it</a>	
	ETSI publication 28/11/2000	4	.	7	.	1	<a href="#">get it</a>	
<b>TS 02.17</b>	<b>Subscriber Identity Module (SIM); Functional characteristics</b>							
Ph2	<i>current version:</i> 4.3.3							
	<i>freeze_meeting:</i> smg-11b							
	<i>history (event, available, version,</i>							
	.. 30/08/2001	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	smg-02 30/08/2001	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
	smg-05 25/06/1993	4	.	2	.	0	<a href="#">get it</a>	
	.. 30/08/2001	4	.	2	.	1	<a href="#">get it</a>	
	smg-08	4	.	3	.	0		
	.. 01/10/1993	4	.	3	.	1	<a href="#">get it</a>	
	ETSI PE 01/11/1993	4	.	3	.	2	<a href="#">get it</a>	
	ETSI publication 13/09/1994	4	.	3	.	3	<a href="#">get it</a>	

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<b>TS 02.24</b>	<b>Description of Charge Advice Information (CAI)</b>				
Ph2	current version: 4.5.0	WG (prime / other): S1 /	rapporteur: DWYER, Paul	NORTEL NETWORKS (EUROPE)	
	freeze_meeting: smg-11b	G: yes U:	MCC: CLAYTON, Michael		
	history (event, available, version,				
	smg-07 25/06/1993 4 . 1 . 1	<a href="#">get it</a>	remarks - general:		
	smg-08 01/10/1993 4 . 2 . 0	<a href="#">get it</a>	remarks - this release:		
	smg-09 21/01/1994 4 . 2 . 1	<a href="#">get it</a>			
	smg-10 15/04/1994 4 . 3 . 0	<a href="#">get it</a>			
	smg-11 01/07/1994 4 . 4 . 0	<a href="#">get it</a>			
	smg-15 07/07/1995 4 . 5 . 0	<a href="#">get it</a>			
<b>TS 02.30</b>	<b>Man-machine Interface (MMI) of the Mobile Station (MS)</b>				
Ph2	current version: 4.13.0	WG (prime / other): S1 /	rapporteur: JEAL, David	VODAFONE Group Plc	
	freeze_meeting: smg-11b	G: yes U:	MCC: CLAYTON, Michael		
	history (event, available, version,				
	smg-07 25/06/1993 4 . 9 . 1	<a href="#">get it</a>	remarks - general:		
	smg-08 01/10/1993 4 . 10 . 0	<a href="#">get it</a>	remarks - this release:		
	smg-10 15/04/1994 4 . 11 . 0	<a href="#">get it</a>			
	smg-12 07/10/1995 4 . 12 . 0	<a href="#">get it</a>			
	smg-13 27/01/1995 4 . 13 . 0	<a href="#">get it</a>			
<b>TS 02.40</b>	<b>Procedures for Call Progress Indications</b>				
Ph2	current version: 4.5.0	WG (prime / other): S1 / NP	rapporteur: DWYER, Paul	NORTEL NETWORKS (EUROPE)	
	freeze_meeting: smg-11b	G: yes U:	MCC: CLAYTON, Michael		
	history (event, available, version,				
	smg-07 25/06/1993 4 . 2 . 1	<a href="#">get it</a>	remarks - general:		
	smg-09 21/01/1994 4 . 3 . 0	<a href="#">get it</a>	remarks - this release:		
	smg-10 15/04/1994 4 . 4 . 0	<a href="#">get it</a>			
	smg-14 07/04/1995 4 . 5 . 0	<a href="#">get it</a>			
<b>TS 02.41</b>	<b>Operator Determined Barring</b>				
Ph2	current version: 4.5.2	WG (prime / other): S1 /	rapporteur: ...,	BUNDESMINISTERIUM FUR WIRTSCHAFT	
	freeze_meeting: smg-11b	G: yes U:	MCC: CLAYTON, Michael		
	history (event, available, version,				
	smg-07 25/06/1993 4 . 4 . 1	<a href="#">get it</a>	remarks - general:		
	smg-08 01/10/1993 4 . 5 . 0	<a href="#">get it</a>	remarks - this release:		
	ETSI PE 11/10/1993 4 . 5 . 1	<a href="#">get it</a>			
	ETSI publication 13/09/1994 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  
freeze\_meeting: smg-11b  
history (event, available, version,

WG (prime / other): S1 / - rapporteur: BLOMSTRAND, Ola TeliaSonera AB  
G: yes U: MCC: CLAYTON, Michael

smg-07 25/06/1993 4 . 3 . 1  
smg-10 15/04/1994 4 . 4 . 0  
smg-11 01/07/1994 4 . 4 . 1  
smg-12 07/10/1994 4 . 5 . 0  
smg-16 20/10/1995 4 . 5 . 1  
smg-24 19/12/1997 4 . 6 . 0  
ETSI publication 17/06/1998 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](#)  
[get it](#)

## TS 02.82 Call Forwarding (CF) Supplementary Services; Stage 1

Ph2  
current version: 4.5.2  
freeze\_meeting: smg-11b  
history (event, available, version,

WG (prime / other): S1 / - rapporteur: EVEN, Anne France Telecom  
G: yes U: MCC: CLAYTON, Michael

smg-07 25/06/1993 4 . 4 . 2  
smg-10 15/04/1994 4 . 5 . 0  
smg-16 20/10/1995 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](#)

## TS 02.83 Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1

Ph2  
current version: 4.6.7  
freeze\_meeting: smg-11b  
history (event, available, version,

WG (prime / other): S1 / - rapporteur: JORGENSEN, Niels H. TDC TELE DANMARK A/S  
G: yes U: MCC: CLAYTON, Michael

smg-07 25/06/1993 4 . 6 . 3  
smg-10 15/04/1994 4 . 6 . 5  
smg-16 20/10/1995 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](#)

## TS 02.84 MultiParty (MPPTY) Supplementary Services; Stage 1

Ph2  
current version: 4.4.7  
freeze\_meeting: smg-11b  
history (event, available, version,

WG (prime / other): S1 / - rapporteur: POSTMANN, Erwin SIEMENS AG  
G: yes U: MCC: CLAYTON, Michael

smg-07 25/06/1993 4 . 4 . 2  
smg-11 01/07/1994 4 . 4 . 5  
smg-16 20/10/1995 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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**TS 02.85 Closed User Group (CUG) Supplementary Services; Stage 1**

Ph2 *current version:* 4.2.6  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*  
smg-07 25/06/1993 4 . 2 . 2  
smg-16 20/10/1995 4 . 2 . 6

*WG (prime / other):* S1 / - *rapporteur:* BLOMSTRAND, Ola TeliaSonera AB  
*G: yes U:* *MCC:* CLAYTON, Michael  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #7: 4.2.2 #16: 4.2.6*

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**TS 02.86 Advice of Charge (AoC) Supplementary Services; Stage 1**

Ph2 *current version:* 4.1.5  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*  
smg-07 25/06/1993 4 . 1 . 1  
smg-16 01/10/1993 4 . 1 . 5

*WG (prime / other):* S1 / - *rapporteur:* CRAWFORD, Ian VODAFONE Group Plc  
*G: yes U:* *MCC:* CLAYTON, Michael  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #7: 4.1.1 #16: 4.1.5*

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**TS 02.88 Call Barring (CB) Supplementary Services; Stage 1**

Ph2 *current version:* 4.4.3  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*  
smg-07 25/06/1993 4 . 3 . 0  
smg-08 01/10/1993 4 . 4 . 0  
smg-16 27/01/1995 4 . 4 . 3

*WG (prime / other):* S1 / - *rapporteur:* CONRAD, Alan T-MOBILE DEUTSCHLAND  
*G: yes U:* *MCC:* CLAYTON, Michael  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #7: 4.3.0 #8: 4.4.0 #16: 4.4.3*  
[get it](#)

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**TS 02.90 Unstructured Supplementary Service Data (USSD); Stage 1**

Ph2 *current version:* 4.1.1  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*  
smg-08 01/10/1993 4 . 0 . 1  
smg-21 14/02/1997 4 . 1 . 0  
ETSI publication 15/09/1997 4 . 1 . 1

*WG (prime / other):* S1 / - *rapporteur:* SLOTTE, Sverre NOKIA Corporation  
*G: yes U:* *MCC:* CLAYTON, Michael  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #8: 4.0.1 #21: 4.1.0*  
[get it](#)

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Ph2

03 .- series

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<b>TS 03.01</b>	<b>Network Functions</b>								
Ph2	<i>current version:</i> 4.0.4								
	<i>freeze_meeting:</i> smg-11b								
	<i>history (event, available, version,</i>								
	smg-07 25/06/1993	4	.	0	.	1			
	ETSI Publication 25/07/1993	4	.	0	.	4			
							<a href="#">get it</a>	<i>remarks - general:</i>	SMG3->SA2 @ TSG#7
							<a href="#">get it</a>	<i>remarks - this release:</i>	#7: 4.0.1
<hr/>									
<b>TS 03.02</b>	<b>Network Architecture</b>								
Ph2	<i>current version:</i> 4.2.1								
	<i>freeze_meeting:</i> smg-11b								
	<i>history (event, available, version,</i>								
	smg-07 25/06/1993	4	.	0	.	1			
	smg-17 02/02/1996	4	.	1	.	0			
	smg-18 12/04/1996	4	.	2	.	1			
							<a href="#">get it</a>	<i>remarks - general:</i>	
							<a href="#">get it</a>	<i>remarks - this release:</i>	#7: 4.0.1 #17: 4.1.0 #18: 4.2.1
							<a href="#">get it</a>		
<hr/>									
<b>TS 03.03</b>	<b>Numbering, Addressing and Identification</b>								
Ph2	<i>current version:</i> 4.11.1								
	<i>freeze_meeting:</i> smg-11b								
	<i>history (event, available, version,</i>								
	smg-07 25/06/1993	4	.	5	.	0			
	smg-08 01/10/1993	4	.	6	.	0			
	smg-09 21/01/1994	4	.	8	.	0			
	smg-12 07/10/1994	4	.	9	.	0			
	NP-07 17/03/2000	4	.	10	.	0			
	NP-08 23/06/2000	4	.	11	.	0			
	Editorial 04/01/2001	4	.	11	.	1			
							<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>		
							<a href="#">get it</a>		
							<a href="#">get it</a>		
<hr/>									
<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>freeze_meeting:</i> smg-11b								
	<i>history (event, available, version,</i>								
	smg-07 25/06/1993	4	.	0	.	1			
	Publication 19/01/1996	4	.	0	.	4			
							<a href="#">get it</a>	<i>remarks - general:</i>	
							<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	current version: 4.1.0	WG (prime / other):	NP / -	rapporteur:	BOSWARTHICK, David ETSI Secretariat
	freeze_meeting: smg-11b	G: yes	U:	MCC:	BOSWARTHICK, David
	history (event, available, version,				
	smg-07 25/06/1993	4	.	0	. 0
	smg-19 28/06/1996	4	.	1	. 0
		<a href="#">get it</a>		remarks - general:	
		<a href="#">get it</a>		remarks - this release: #7: 4.0.0 #19:4.1.0	
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<b>TS 03.07</b>	<b>Restoration Procedures</b>				
Ph2	current version: 4.3.1	WG (prime / other):	N4 / -	rapporteur:	PARK, Ian David VODAFONE LTD
	freeze_meeting: smg-11b	G: yes	U:	MCC:	Chalmers KYMALAINEN, Kimmo
	history (event, available, version,				
	smg-07 25/06/1993	4	.	2	. 0
	smg-10 15/04/1994	4	.	3	. 0
	Publication 19/01/1996	4	.	3	. 1
		<a href="#">get it</a>		remarks - general:	
		<a href="#">get it</a>		remarks - this release:	
		<a href="#">get it</a>			
<hr/>					
<b>TS 03.08</b>	<b>Organization of Subscriber Data</b>				
Ph2	current version: 4.8.0	WG (prime / other):	N4 / -	rapporteur:	BAUER, Rolf ALCATEL SEL AG
	freeze_meeting: smg-11b	G: yes	U:	MCC:	KYMALAINEN, Kimmo
	history (event, available, version,				
	smg-07 25/06/1993	4	.	5	. 0
	smg-08 01/10/1993	4	.	5	. 1
	smg-09 21/01/1994	4	.	6	. 0
	smg-10 15/04/1994	4	.	7	. 0
	smg-18 12/04/1996	4	.	8	. 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>			
		<a href="#">get it</a>			
<hr/>					
<b>TS 03.09</b>	<b>Handover Procedures</b>				
Ph2	current version: 4.6.0	WG (prime / other):	N1 / -	rapporteur:	FARHOUMAND, Ericsson Incorporated
	freeze_meeting: smg-11b	G: yes	U:	MCC:	Rouzbeh JORGENSEN, Per Johan
	history (event, available, version,				
	smg-07 25/06/1993	4	.	1	. 0
	smg-08 01/10/1993	4	.	2	. 0
	smg-09 21/01/1994	4	.	2	. 1
	smg-10 15/04/1994	4	.	3	. 0
	smg-11 01/07/1994	4	.	4	. 0
	smg-12 07/10/1994	4	.	5	. 0
	smg-17 02/02/1996	4	.	6	. 0
		<a href="#">get it</a>		remarks - general:	
		<a href="#">get it</a>		remarks - this release: #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	
		<a href="#">get it</a>			
		<a href="#">get it</a>			
		<a href="#">get it</a>			
		<a href="#">get it</a>			
		<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,*  
smg-07 25/06/1993 4 . 2 . 1 [get it](#) *remarks - general:*  
smg-08 01/10/1993 4 . 3 . 0 [get it](#) *remarks - this release:*  
Publication 13/09/1994 4 . 3 . 1 [get it](#)

## 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,*  
smg-07 4 . 4 . 0 *remarks - general:*  
ETSI public 24/10/2002 4 . 4 . 1 [get it](#) *remarks - this release:*  
enquiry  
smg-09 4 . 5 . 0  
smg-10 4 . 6 . 0  
smg-11 4 . 7 . 0  
smg-12 24/10/2002 4 . 8 . 0 ETSI vote version [get it](#)  
ETSI publication 24/10/2002 4 . 8 . 1 [get it](#)  
smg-14 24/10/2002 4 . 9 . 0 ETSI oap version [get it](#)  
ETSI publication 24/10/2002 4 . 9 . 1 [get it](#)  
ETSI public 4 . 10 . 0  
enquiry  
smg-18 12/04/1996 4 . 10 . 1 [get it](#)

## 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,*  
smg-07 25/06/1993 4 . 3 . 0 [get it](#) *remarks - general:*  
smg-08 01/10/1993 4 . 4 . 0 [get it](#) *remarks - this release: #7: 4.3.0 #8: 4.4.0*  
Publication 13/09/1994 4 . 4 . 2 [get it](#)

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<b>TS 03.13</b>	<b>Discontinuous Reception (DRX) in the GSM System</b>				
Ph2	<i>current version:</i> 4.0.4	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> USAI, Paolino	TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> smg-11b	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	smg-07 25/06/1993 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>		
	Publication 13/09/1994 4 . 0 . 4	<a href="#">get it</a>	<i>remarks - this release: #7: 4.0.1</i>		
<hr/>					
<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	<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version,</i>				
	smg-07 25/06/1993 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-10 15/04/1994 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release: #7: 4.0.0 #10: 4.1.0</i>		
	Publication 13/09/1994 4 . 1 . 1	<a href="#">get it</a>			
<hr/>					
<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	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>				
	smg-07 25/06/1993 4 . 2 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-10 15/04/1994 4 . 3 . 0	<a href="#">get it</a>	<i>remarks - this release: #7: 4.2.0 #10: 4.3.0</i>		
	Publication 13/09/1994 4 . 3 . 1	<a href="#">get it</a>			
<hr/>					
<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	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>				
	smg-14 07/04/1995 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-16 20/10/1995 4 . 1 . 1	<a href="#">get it</a>	<i>remarks - this release: #14: 4.1.0 #16: 4.1.1 #18: 4.2.1</i>		
	smg-18 12/04/1996 4 . 2 . 1	<a href="#">get it</a>			

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## TS 03.20 Security-related Network Functions

Ph2  
current version: 4.4.1  
freeze\_meeting: smg-11b

WG (prime / other): S3 / NP / rapporteur: NGUYEN NGOC, France Telecom  
GP  
G: yes U: MCC: POPE, Maurice

history (event, available, version,  
smg-07 25/06/1993 4 . 2 . 1  
smg-10 15/04/1994 4 . 3 . 0  
smg-17 02/02/1996 4 . 3 . 2  
smg-21 14/02/1997 4 . 4 . 0  
Publication 26/08/1997 4 . 4 . 1

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

## TS 03.22 Functions related to Mobile Station (MS) in idle mode and group receive mode

Ph2  
current version: 4.11.0  
freeze\_meeting: smg-11b

WG (prime / other): G1 / N1 rapporteur: ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
G: yes U: MCC: USAI, Paolino

history (event, available, version,  
smg-07 25/06/1993 4 . 4 . 0  
smg-09 21/01/1994 4 . 5 . 0  
smg-10 15/04/1994 4 . 6 . 0  
smg-11 01/07/1994 4 . 7 . 0  
smg-12 07/10/1994 4 . 8 . 0  
smg-14 07/04/1995 4 . 9 . 0  
smg-16 20/10/1995 4 . 10 . 0  
smg-17 02/02/1996 4 . 11 . 0

[get it](#) remarks - general: Moved from SMG3 Jan 2000. Moved from G2 Mar 2001. 2001-07: title grows "and  
[get it](#) remarks - this release: group receive mode".  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

## TR 03.26 Multiband operation of GSM/DCS 1800 by a single operator

Ph2  
current version: 4.3.0  
freeze\_meeting: smg-11b

WG (prime / other): G1 / NP rapporteur: ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
G: yes U: MCC: USAI, Paolino

history (event, available, version,  
smg-18 12/04/1996 4 . 1 . 0  
smg-22 13/06/1997 4 . 2 . 0  
smg-23 17/10/1997 4 . 3 . 0

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

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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,</i>				
	smg-07 25/06/1993 4 . 2 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-09 21/01/1994 4 . 2 . 1		<a href="#">get it</a>	<i>remarks - this release: #7: 4.2.0 #9: 4.2.1 #13: 4.3.0</i>	
	smg-13 27/01/1995 4 . 3 . 0		<a href="#">get it</a>		
<hr/>					
<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,</i>				
	smg-10 4 . 0 . 0			<i>remarks - general:</i>	
	Publication 13/09/1994 4 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release: #10: 4.0.0</i>	
<hr/>					
<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,</i>				
	smg-07 25/06/1993 4 . 6 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-08 01/10/1993 4 . 7 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-10 15/04/1994 4 . 8 . 1		<a href="#">get it</a>		
	smg-11 01/07/1994 4 . 9 . 0		<a href="#">get it</a>		
	smg-15 07/07/1995 4 . 11 . 0		<a href="#">get it</a>		
	smg-16 20/10/1995 4 . 12 . 0		<a href="#">get it</a>		
	smg-18 12/04/1996 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,</i>								
	smg-07 25/06/1993	4 . 4 . 1	<a href="#">get it</a>	<i>remarks - general:</i>					
	smg-08 01/10/1993	4 . 5 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					
	smg-09 21/01/1994	4 . 6 . 0	<a href="#">get it</a>						
	smg-10 15/04/1994	4 . 7 . 0	<a href="#">get it</a>						
	smg-11 01/07/1994	4 . 8 . 0	<a href="#">get it</a>						
	smg-12 07/10/1994	4 . 9 . 0	<a href="#">get it</a>						
	smg-13 27/01/1995	4 . 10 . 0	<a href="#">get it</a>						
	smg-16 20/10/1995	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> DI TRIA, Paolo	Telecom Italia Lab S.p.A.					
	<i>freeze_meeting:</i> smg-11b	<i>G: yes U:</i>	<i>MCC:</i> RODERMUND, Friedhelm						
	<i>history (event, available, version,</i>								
	smg-07 25/06/1993	4 . 1 . 1	<a href="#">get it</a>	<i>remarks - general:</i>					
	Editorial 19/01/1996	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,</i>								
	smg-07 25/06/1993	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
	Editorial 30/07/1998	4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>					

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<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,</i>								
	smg-07 25/06/1993	4 . 2 . 1	<a href="#">get it</a>	<i>remarks - general:</i>					
	smg-08 01/10/1993	4 . 3 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					
	smg-09 21/01/1994	4 . 3 . 1	<a href="#">get it</a>						
	smg-10 15/04/1994	4 . 4 . 0	<a href="#">get it</a>						
	smg-11 01/07/1994	4 . 4 . 1	<a href="#">get it</a>						
	smg-14 07/04/1995	4 . 5 . 0	<a href="#">get it</a>						

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## TS 03.46 Technical Realization of Facsimile Group 3 Service - non transparent

Ph2 *current version:* 4.1.2 *WG (prime / other):* N3 / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* BOSWARTHICK, David  
*history (event, available, version,*  
smg-07 25/06/1993 4 . 0 . 1 [get it](#) *remarks - general:*  
smg-08 01/10/1993 4 . 0 . 2 [get it](#) *remarks - this release:*  
smg-11 01/07/1994 4 . 1 . 0 [get it](#)  
Publication 19/01/1996 4 . 1 . 2 [get it](#)

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## TR 03.47 Example Protocol Stacks for Interconnecting Service Centre(s) (SC) and Mobile Services Switching Centre(s) (MSC)

Ph2 *current version:* 4.4.0 *WG (prime / other):* T2 / - *rapporteur:* RODERMUND, Vodafone D2 GmbH  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* Friedhelm  
RODERMUND, Friedhelm  
*history (event, available, version,*  
smg-07 25/06/1993 4 . 1 . 0 [get it](#) *remarks - general:*  
smg-08 01/10/1993 4 . 2 . 0 [get it](#) *remarks - this release:*  
smg-12 07/10/1994 4 . 2 . 1 [get it](#)  
smg-18 12/04/1996 4 . 4 . 0 [get it](#)

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## TR 03.49 Example protocol stacks for interconnecting Cell Broadcast Centre (CBC) and Base Station Controller (BSC)

Ph2 *current version:* 4.6.0 *WG (prime / other):* T2 / - *rapporteur:* RODERMUND, Vodafone D2 GmbH  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* Friedhelm  
RODERMUND, Friedhelm  
*history (event, available, version,*  
smg-07 25/06/1993 4 . 1 . 0 [get it](#) *remarks - general:*  
smg-08 01/10/1993 4 . 2 . 0 [get it](#) *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 01/07/1994 4 . 3 . 0 [get it](#)  
smg-12 07/10/1994 4 . 4 . 0 [get it](#)  
smg-13 27/01/1995 4 . 5 . 0 [get it](#)  
smg-16 20/10/1995 4 . 6 . 0 [get it](#)

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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>				
Ph2	current version: 4.6.1	WG (prime / other): S4 / -	rapporteur: USAI, Paolino	TELECOM ITALIA S.p.A.	
	freeze_meeting: smg-11b	G: yes U:	MCC: USAI, Paolino		
	history (event, available, version,				
	smg-08 01/10/1993 4 . 0 . 0		<a href="#">get it</a>	remarks - general:	
	smg-09 21/01/1994 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 07/07/1995 4 . 2 . 0		<a href="#">get it</a>		
	smg-24 19/12/1997 4 . 3 . 0		<a href="#">get it</a>		
	smg-25 20/03/1998 4 . 4 . 0		<a href="#">get it</a>		
	smg-27 16/10/1998 4 . 5 . 0		<a href="#">get it</a>		
	smg-28 12/02/1999 4 . 6 . 0		<a href="#">get it</a>		
	Editorial 12/03/1999 4 . 6 . 1		<a href="#">get it</a>		
<hr/>					
<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	G: yes U:	MCC: BOSWARTHICK, David		
	history (event, available, version,				
	smg-07 25/06/1993 4 . 0 . 0		<a href="#">get it</a>	remarks - general: N3: "no R99 needed".	
	smg-08 01/10/1993 4 . 0 . 1		<a href="#">get it</a>	remarks - this release: #7: 4.0.0 #8: 4.0.1	
	Publication 19/01/1996 4 . 0 . 3		<a href="#">get it</a>		
<hr/>					
<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,				
	smg-07 25/06/1993 4 . 1 . 0		<a href="#">get it</a>	remarks - general:	
	smg-09 01/10/1993 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 15/04/1994 4 . 3 . 0		<a href="#">get it</a>		
	smg-11 01/07/1994 4 . 4 . 0		<a href="#">get it</a>		
	smg-12 07/10/1994 4 . 5 . 0		<a href="#">get it</a>		
	smg-19 28/06/1996 4 . 6 . 0		<a href="#">get it</a>		
	smg-24 19/12/1997 4 . 7 . 0		<a href="#">get it</a>		
	smg-26 26/06/1998 4 . 8 . 0		<a href="#">get it</a>		
	Editorial 26/07/1998 4 . 8 . 1		<a href="#">get it</a>		

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## TS 03.82 Call Forwarding (CF) Supplementary Services; Stage 2

Ph2 current version: 4.8.1  
freeze\_meeting: smg-11b  
history (event, available, version,

WG (prime / other): N4 / - rapporteur: KYMALAINEN, Kimmo TeliaSonera AB  
G: yes U: MCC: KYMALAINEN, Kimmo

smg-07 25/06/1993 4 . 5 . 0  
smg-08 01/10/1993 4 . 5 . 1  
smg-10 15/04/1994 4 . 6 . 0  
smg-12 07/10/1994 4 . 7 . 0  
smg-18 12/04/1996 4 . 8 . 0  
Editorial 12/05/1996 4 . 8 . 1

[get it](#) remarks - general:  
[get it](#) remarks - this release: #7: 4.5.0 #8: 4.5.1 #10: 4.6.0 #12: 4.7.0 #18: 4.8.0  
[get it](#)  
[get it](#)  
[get it](#)

## TS 03.83 Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 2

Ph2 current version: 4.4.1  
freeze\_meeting: smg-11b  
history (event, available, version,

WG (prime / other): N4 / - rapporteur: SHARP, Iain NORTEL NETWORKS (EUROPE)  
G: yes U: MCC: KYMALAINEN, Kimmo

smg-07 25/06/1993 4 . 3 . 0  
smg-11 01/07/1994 4 . 3 . 2  
smg-12 07/10/1994 4 . 4 . 0  
Editorial 07/11/1994 4 . 4 . 1

[get it](#) remarks - general:  
[get it](#) remarks - this release: #7: 4.3.0 #11: 4.3.2 #12: 4.4.0  
[get it](#)  
[get it](#)

## TS 03.84 Multi Party (MPPTY) Supplementary Services; Stage 2

Ph2 current version: 4.4.1  
freeze\_meeting: smg-11b  
history (event, available, version,

WG (prime / other): N4 / - rapporteur: HABERMANN, Steffen T-MOBILE DEUTSCHLAND  
G: yes U: MCC: KYMALAINEN, Kimmo

smg-07 25/06/1993 4 . 1 . 0  
smg-09 21/01/1994 4 . 2 . 0  
smg-10 15/04/1994 4 . 3 . 0  
smg-12 07/10/1994 4 . 4 . 0  
Editorial 07/11/1994 4 . 4 . 1

[get it](#) remarks - general:  
[get it](#) remarks - this release: #7: 4.1.0 #9: 4.2.0 #10: 4.3.0 #12: 4.4.0  
[get it](#)  
[get it](#)

## 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,

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

smg-07 25/06/1993 4 . 0 . 0  
smg-08 01/10/1993 4 . 1 . 0  
smg-13 27/01/1995 4 . 2 . 0  
Editorial 27/02/1995 4 . 2 . 1

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

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

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[http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

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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,

smg-07	25/06/1993	4	.	1	.	0
smg-08	01/10/1993	4	.	2	.	0
smg-09	21/01/1994	4	.	3	.	0
smg-10	15/04/1994	4	.	4	.	0
smg-11	01/07/1994	4	.	5	.	0
smg-12	07/10/1994	4	.	6	.	0
Editorial	07/11/1994	4	.	6	.	1

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: #7: 4.1.0 #8: 4.2.0 #9: 4.3.0 #10: 4.4.0 #11: 4.5.0 #12: 4.6.0  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 03.88 Call Barring (CB) supplementary services; Stage 2

Ph2  
current version: 4.6.1  
freeze\_meeting: smg-11b  
history (event, available, version,

smg-07	25/06/1993	4	.	4	.	0
smg-10	15/04/1994	4	.	5	.	0
smg-12	07/10/1994	4	.	6	.	0
Editorial	07/11/1994	4	.	6	.	1

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: #7: 4.4.0 #10: 4.5.0 #12: 4.6.0  
[get it](#)  
[get it](#)

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## TS 03.90 Unstructured Supplementary Service Data (USSD)

Ph2  
current version: 4.1.1  
freeze\_meeting: smg-11b  
history (event, available, version,

smg-08	01/10/1993	4	.	0	.	0
smg-15	07/07/1995	4	.	1	.	0
Editorial	07/08/1995	4	.	1	.	1

WG (prime / other): N4 / - rapporteur: CHOTAI, Sunil mm02 plc  
G: yes U: MCC: KYMALAINEN, Kimmo

[get it](#) remarks - general:  
[get it](#) remarks - this release: #8: 4.0.0 #15: 4.1.0  
[get it](#)

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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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[http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

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<b>TS 04.01</b>	<b>Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles</b>					
Ph2	<i>current version:</i> 4.0.4	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S		
	<i>freeze_meeting:</i> smg-11b		Peter Skov			
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version,</i>					
	smg-07 25/06/1993 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication 19/01/1996 4 . 0 . 4	<a href="#">get it</a>	<i>remarks - this release: #7: 4.0.1</i>			
<hr/>						
<b>TS 04.02</b>	<b>GSM Public Land Mobile Network (PLMN) Access Reference Configuration</b>					
Ph2	<i>current version:</i> 4.0.4	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S		
	<i>freeze_meeting:</i> smg-11b		Peter Skov			
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version,</i>					
	smg-07 25/06/1993 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication 19/01/1996 4 . 0 . 4	<a href="#">get it</a>	<i>remarks - this release: #7: 4.0.1</i>			
<hr/>						
<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	MOTOROLA A/S		
	<i>freeze_meeting:</i> smg-11b		Peter Skov			
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version,</i>					
	smg-07 25/06/1993 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-10 15/04/1994 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	Editorial 15/05/1994 4 . 1 . 1	<a href="#">get it</a>				
<hr/>						
<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	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version,</i>					
	smg-07 25/06/1993 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication 13/09/1994 4 . 0 . 4	<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>						
<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	MOTOROLA A/S		
	<i>freeze_meeting:</i> smg-11b		Peter Skov			
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version,</i>					
	smg-07 25/06/1993 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication 13/09/1994 4 . 0 . 3	<a href="#">get it</a>	<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>					
Ph2	<i>current version:</i> 4.4.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S		
	<i>freeze_meeting:</i> smg-11b		Peter Skov			
		<i>G: yes U:</i>	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version,</i>					
	smg-07 25/06/1993 4 . 2 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-08 01/10/1993 4 . 3 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-11 01/07/1994 4 . 4 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 04.07</b>	<b>Mobile Radio Interface Signalling Layer 3 - General Aspects</b>					
Ph2	<i>current version:</i> 4.3.1	<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,</i>					
	smg-07 25/06/1993 4 . 1 . 1	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-10 15/04/1994 4 . 2 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-12 07/10/1994 4 . 3 . 0	<a href="#">get it</a>				
	ETSI Publication 07/11/1997 4 . 3 . 1	<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 MOTOROLA A/S  
*freeze\_meeting:* smg-11b

*G:* yes *U:* *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*

smg-07	25/06/1993	4	.	4	.	0
smg-08	01/10/1993	4	.	5	.	0
smg-09	21/01/1994	4	.	6	.	0
smg-10	15/04/1994	4	.	7	.	0
smg-11	01/07/1994	4	.	8	.	0
smg-13	27/01/1995	4	.	9	.	0
smg-17	02/02/1996	4	.	10	.	0
Editorial	02/03/1996	4	.	10	.	1

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

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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,*

smg-07	25/06/1993	4	.	3	.	0
smg-08	01/10/1993	4	.	4	.	0
smg-10	15/04/1994	4	.	5	.	0
smg-11	01/07/1994	4	.	6	.	0
smg-12	07/10/1994	4	.	7	.	0
smg-14	07/04/1995	4	.	8	.	0
smg-16	20/10/1995	4	.	9	.	0
smg-17	02/02/1996	4	.	10	.	0
NP-09	04/10/2000	4	.	11	.	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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## 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 MOTOROLA A/S  
*freeze\_meeting:* smg-11b

*G:* yes *U:* *MCC:* THOMASEN, Gert

*history (event, available, version,*

smg-07	25/06/1993	4	.	1	.	1
smg-10	15/04/1994	4	.	2	.	0
smg-11	01/07/1994	4	.	3	.	0
smg-12	07/10/1994	4	.	4	.	0
smg-16	20/10/1995	4	.	6	.	0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #7: 4.1.1 #10: 4.2.0 #11: 4.3.0 #12: 4.4.0 #16: 4.6.0  
[get it](#)  
[get it](#)  
[get it](#)

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



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## TS 04.13 Performance Requirements on Mobile Radio Interface

Ph2 *current version:* 4.2.0 *WG (prime / other):* N1 / - *rapporteur:* PUDNEY, Chris VODAFONE Group Plc  
*freeze\_meeting:* smg-11b *G:* yes *U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version,*  
smg-10 15/04/1994 4 . 0 . 0 [get it](#) *remarks - general:*  
smg-14 07/04/1995 4 . 0 . 2 [get it](#) *remarks - this release:* #10: 4.0.0 #14: 4.0.2 #15: 4.1.0 #16: 4.2.0  
smg-15 07/07/1995 4 . 1 . 0 [get it](#)  
smg-16 20/10/1995 4 . 2 . 0 [get it](#)

## TS 04.21 Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface

Ph2 *current version:* 4.6.1 *WG (prime / other):* N3 / - *rapporteur:* RÄSÄNEN, Juha NOKIA Corporation  
*freeze\_meeting:* smg-11b *G:* yes *U:* *MCC:* BOSWARTHICK, David  
*history (event, available, version,*  
smg-07 25/06/1993 4 . 2 . 1 [get it](#) *remarks - general:*  
smg-08 01/10/1993 4 . 3 . 0 [get it](#) *remarks - this release:* #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 01/07/1994 4 . 4 . 0 [get it](#)  
smg-13 27/01/1995 4 . 5 . 0 [get it](#)  
smg-14 07/04/1995 4 . 6 . 0 [get it](#)  
published version 02/03/2000 4 . 6 . 1 [get it](#)  
of ETS replacing  
OAP v

## 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,*  
smg-07 25/06/1993 4 . 2 . 2 [get it](#) *remarks - general:*  
smg-08 01/10/1993 4 . 3 . 0 [get it](#) *remarks - this release:*  
smg-13 27/01/1995 4 . 4 . 0 [get it](#)  
smg-25 20/03/1998 4 . 5 . 0 [get it](#)  
Editorial 20/04/1998 4 . 5 . 1 [get it](#)

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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,</i>				
	smg-07 25/06/1993 4 . 7 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-09 21/01/1994 4 . 9 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-16 20/10/1995 4 . 10 . 0	<a href="#">get it</a>			
	ETSI publication 23/08/1996 4 . 10 . 1	<a href="#">get it</a>			
	smg-17 02/02/1996 4 . 11 . 0	<a href="#">get it</a>			
	ETSI publication 23/08/1996 4 . 11 . 1	<a href="#">get it</a>			
<hr/>					
<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,</i>				
	smg-07 25/06/1993 4 . 2 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-10 15/04/1994 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 07/10/1994 4 . 4 . 0	<a href="#">get it</a>			
	ETSI Publication 07/11/1994 4 . 4 . 1	<a href="#">get it</a>			
<hr/>					
<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,</i>				
	smg-07 25/06/1993 4 . 6 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-11 01/07/1994 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 07/10/1994 4 . 8 . 0	<a href="#">get it</a>			
	smg-17 02/02/1996 4 . 9 . 0	<a href="#">get it</a>			
	Editorial 02/03/1996 4 . 9 . 1	<a href="#">get it</a>			
<hr/>					
<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,</i>				
	smg-07 25/06/1993 4 . 4 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-09 21/01/1994 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 02/02/1996 4 . 6 . 0	<a href="#">get it</a>			
	Editorial 02/03/1996 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  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*  
smg-07 25/06/1993 4 . 2 . 0  
smg-09 21/01/1994 4 . 3 . 0  
ETSI Publication 21/02/1994 4 . 3 . 2

*WG (prime / other):* N4 / - *rapporteur:* HABERMANN, Steffen  
*G: yes U:* *MCC:* KYMALAINEN, Kimmo

T-MOBILE DEUTSCHLAND

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #7: 4.2.0 #9: 4.3.0*  
[get it](#)

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## TS 04.85 Closed User Group (CUG) Supplementary Services; Stage 3

Ph2 *current version:* 4.1.1  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*  
smg-07 25/06/1993 4 . 0 . 0  
smg-18 12/04/1996 4 . 1 . 0  
Editorial 12/05/1996 4 . 1 . 1

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

Gesellschaft für Kommunikations Software

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #7: 4.0.0 #18: 4.1.0*  
[get it](#)

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## TS 04.86 Advice of Charge (AoC) Supplementary Services; Stage 3

Ph2 *current version:* 4.5.2  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*  
smg-07 25/06/1993 4 . 2 . 0  
smg-08 01/10/1993 4 . 4 . 0  
smg-11 01/07/1994 4 . 5 . 0  
ETSI Publication 14/03/1995 4 . 5 . 2

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

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[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #7: 4.2.0 #8: 4.4.0 #11: 4.5.0*  
[get it](#)  
[get it](#)

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## TS 04.88 Call Barring (CB) Supplementary Services; Stage 3

Ph2 *current version:* 4.7.1  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*  
smg-07 25/06/1993 4 . 6 . 0  
smg-17 02/02/1996 4 . 7 . 0  
Editorial 02/03/1996 4 . 7 . 1

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

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[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #7: 4.6.0 #17: 4.7.0*  
[get it](#)

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Server ACTIVE specs Ph2 04 .- series  
[http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

## TS 04.90 Unstructured Supplementary Service Data (USSD)

Ph2 *current version:* 4.1.1  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*  
smg-08 01/10/1993 4 . 0 . 0  
smg-12 07/10/1994 4 . 1 . 0  
Editorial 07/11/1994 4 . 1 . 1

*WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*G: yes U:* *MCC:* KYMALAINEN, Kimmo

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #8: 4.0.0 #12: 4.1.0*  
[get it](#)

Ph2 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)

Ph2 *current version:* 4.6.0  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*  
smg-07 25/06/1993 4 . 1 . 0  
smg-08 01/10/1993 4 . 2 . 0  
smg-10 15/04/1994 4 . 3 . 0  
smg-13 27/01/1995 4 . 4 . 0  
smg-14 07/04/1995 4 . 5 . 0  
smg-16 20/10/1995 4 . 6 . 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:*  
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## TS 05.02 Multiplexing and Multiple Access on the Radio Path

Ph2 *current version:* 4.11.0  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*  
smg-07 25/06/1993 4 . 3 . 0  
smg-09 21/01/1994 4 . 4 . 0  
smg-15 07/07/1995 4 . 5 . 0  
smg-16 20/10/1995 4 . 6 . 0  
smg-17 02/02/1996 4 . 7 . 0  
smg-20 11/10/1996 4 . 8 . 0  
smg-22 13/06/1997 4 . 9 . 0  
smg-28 12/02/1999 4 . 10 . 0  
ETSI Publication 22/07/1999 4 . 10 . 1  
GP-06 01/10/2001 4 . 11 . 0

*WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist NOKIA Corporation  
*G: yes U:* *MCC:* USAI, Paolino

[get it](#) *remarks - general:*  
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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			<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version,</i>								
	smg-07 25/06/1993	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-13 27/01/1995	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 07/07/1995	4	.	3	.	0	<a href="#">get it</a>		
	smg-21 14/02/1997	4	.	4	.	0	<a href="#">get it</a>		
	smg-22 13/06/1997	4	.	5	.	0	<a href="#">get it</a>		
	Editorial 13/07/1997	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			<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version,</i>								
	smg-07 25/06/1993	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI publication 13/09/1994	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,*

*WG (prime / other):* G1 / - *rapporteur:* SAMUELSSON, Mats  
*G: yes U:* *MCC:* USAI, Paolino

smg-07	25/06/1993	4	.	6	.	0
smg-08	01/10/1993	4	.	7	.	0
smg-09	21/01/1994	4	.	8	.	0
smg-10	15/04/1994	4	.	9	.	0
smg-13	27/01/1995	4	.	10	.	0
smg-14	07/04/1995	4	.	11	.	0
ETSI Publication	01/09/2003	4	.	12	.	0
smg-16	20/10/1995	4	.	13	.	0
smg-17	02/02/1996	4	.	14	.	0
smg-18	12/04/1996	4	.	15	.	0
smg-19	28/06/1996	4	.	16	.	0
smg-20	11/10/1996	4	.	17	.	0
smg-21	14/02/1997	4	.	18	.	0
smg-22	13/06/1997	4	.	19	.	0
smg-23	17/10/1997	4	.	20	.	0
smg-24	19/12/1997	4	.	21	.	0
smg-26	26/06/1998	4	.	22	.	0
smg-29	25/06/1999	4	.	23	.	0
ETSI Publication	17/12/1999	4	.	23	.	1

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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,

WG (prime / other): G1 / - rapporteur: EL-SAIGH, Amer  
G: yes U: MCC: USAI, Paolino

VODAFONE Group Plc

smg-07 25/06/1993 4 . 6 . 0  
smg-08 01/10/1993 4 . 7 . 0  
smg-09 21/01/1994 4 . 8 . 0  
smg-10 15/04/1994 4 . 9 . 0  
smg-11 01/07/1994 4 . 10 . 0  
smg-12 07/10/1994 4 . 11 . 0  
smg-13 27/01/1995 4 . 12 . 0  
smg-14 07/04/1995 4 . 13 . 0  
smg-15 07/07/1995 4 . 14 . 0  
smg-16 20/10/1995 4 . 15 . 0  
smg-17 02/02/1996 4 . 16 . 0  
smg-18 12/04/1996 4 . 17 . 0  
smg-19 28/06/1996 4 . 18 . 0  
smg-22 13/06/1997 4 . 19 . 0  
smg-23 17/10/1997 4 . 20 . 0  
smg-24 19/12/1997 4 . 21 . 0  
smg-27 16/10/1998 4 . 22 . 0  
ETSI Publication 09/03/1999 4 . 22 . 1

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## TS 05.10 Radio subsystem synchronization

Ph2 current version: 4.9.0  
freeze\_meeting: smg-11b  
history (event, available, version,

WG (prime / other): G1 / - rapporteur: JOKINEN, Harri  
G: yes U: MCC: USAI, Paolino

NOKIA MOBILE PHONES

smg-07 25/06/1993 4 . 2 . 0  
smg-08 01/10/1993 4 . 3 . 0  
smg-09 21/01/1994 4 . 4 . 0  
smg-13 27/01/1995 4 . 5 . 0  
smg-14 07/04/1995 4 . 6 . 0  
smg-16 20/10/1995 4 . 7 . 0  
smg-17 02/02/1996 4 . 8 . 0  
smg-18 12/04/1996 4 . 9 . 0

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

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**TR 05.22 Radio link management in hierarchical networks**

Ph2  
*current version:* 4.0.0  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*  
smg-18 12/04/1996 4 . 0 . 0

*WG (prime / other):* G1 / - *rapporteur:* VAN BUSSEL, Han T-MOBILE DEUTSCHLAND  
*G: yes U:* *MCC:* USAI, Paolino

[get it](#) *remarks - general:*  
*remarks - this release:* #18: 4.0.0

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**TR 05.50 Background for RF Requirements**

Ph2  
*current version:* 4.2.0  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*  
smg-08 01/10/1993 4 . 0 . 0  
smg-13 27/01/1995 4 . 1 . 0  
smg-17 02/02/1996 4 . 2 . 0

*WG (prime / other):* G1 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*G: yes U:* *MCC:* Peter Skov  
USAI, Paolino

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #8: 4.0.0 #13: 4.1.0 #17: 4.2.0  
[get it](#)

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**TR 05.90 GSM Electromagnetic Compatibility (EMC) considerations**

Ph2  
*current version:* 4.3.0  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*  
smg-07 4 . 1 . 0  
smg-08 4 . 2 . 0  
ETSI publication 15/02/1994 4 . 2 . 1  
smg-15 15/08/1995 4 . 3 . 0

*WG (prime / other):* G1 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*G: yes U:* *MCC:* USAI, Paolino

*remarks - general:*  
*remarks - this release:*  
[get it](#)  
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Ph2

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**

Ph2  
*current version:* 4.0.7  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*  
smg-07 25/06/1993 4 . 0 . 2  
smg-23 17/10/1997 4 . 0 . 6  
ETSI Publication 07/04/1998 4 . 0 . 7

*WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino TELECOM ITALIA S.p.A.  
*G: yes U:* *MCC:* USAI, Paolino

[get it](#) *remarks - general:*  
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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,</i>					
	smg-13 27/01/1995 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI Publication 19/12/1995 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,</i>					
	smg-13 27/01/1995 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-16 20/10/1995 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 02/02/1996 4 . 1 . 0	<a href="#">get it</a>				
	smg-23 17/10/1997 4 . 2 . 0	<a href="#">get it</a>				
	Editorial 17/11/1997 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,</i>					
	smg-13 27/01/1995 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-20 11/10/1996 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 13/06/1997 4 . 2 . 0	<a href="#">get it</a>				
	Editorial 13/07/1997 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,</i>					
	smg-16 20/10/1995 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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G = required in systems with GERAN access; U = required in systems with UMTS

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## TS 06.10 Full Rate Speech Transcoding

Ph2 *current version:* 4.3.0  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*  
smg-07 25/06/1993 4 . 0 . 0  
smg-23 17/10/1997 4 . 1 . 0  
smg-32 20/06/2000 4 . 2 . 0  
Editorial 20/07/2000 4 . 2 . 1  
Correction of 29/06/2001 4 . 3 . 0  
figure 3.2

*WG (prime / other):* S4 / - *rapporteur:* LORENZ, Dietmar  
*G: yes U:* *MCC:* USAI, Paolino

PHILIPS Semiconductors

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
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## TS 06.11 Substitution and Muting of Lost Frames for Full Rate Speech Channels

Ph2 *current version:* 4.0.6  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*  
smg-07 25/06/1993 4 . 0 . 1  
smg-23 17/10/1997 4 . 0 . 5  
ETSI Publication 07/04/1998 4 . 0 . 6

*WG (prime / other):* S4 / - *rapporteur:* NAVARRO, William  
*G: yes U:* *MCC:* USAI, Paolino

NORTEL NETWORKS (EUROPE)

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #7: 4.0.1 #23: 4.0.5*  
[get it](#)

## TS 06.12 Comfort Noise Aspects for Full Rate Speech Traffic Channels

Ph2 *current version:* 4.1.0  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*  
smg-07 25/06/1993 4 . 0 . 1  
ETSI Publication 13/09/1994 4 . 0 . 4  
SP-12 29/06/2001 4 . 1 . 0

*WG (prime / other):* S4 / - *rapporteur:* SERENO, Daniele  
*G: yes U:* *MCC:* USAI, Paolino

TELECOM ITALIA S.p.A.

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #7: 4.0.1*  
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## TS 06.20 Half Rate Speech Transcoding

Ph2 *current version:* 4.3.1  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*  
smg-13 27/01/1995 4 . 0 . 0  
smg-14 07/04/1995 4 . 1 . 0  
smg-17 02/02/1996 4 . 3 . 0  
ETSI Publication 03/03/1996 4 . 3 . 1

*WG (prime / other):* S4 / - *rapporteur:* AFTELAK, Steve  
*G: yes U:* *MCC:* USAI, Paolino

MOTOROLA Ltd

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release: #13: 4.0.0 #14: 4.1.0 #17: 4.3.0*  
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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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	smg-13 27/01/1995 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 19/12/1995 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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	smg-13 27/01/1995 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-15 07/07/1995 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #13: 4.0.0 #15: 4.1.0		
	Editorial 07/08/1995 4 . 1 . 1	<a href="#">get it</a>			
<hr/>					
<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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	smg-07 25/06/1993 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-23 17/10/1997 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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	smg-07 25/06/1993 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-13 27/01/1995 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 02/02/1996 4 . 2 . 0	<a href="#">get it</a>			
	smg-23 17/10/1997 4 . 3 . 0	<a href="#">get it</a>			
	Editorial 17/11/1997 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,</i>					
	smg-13 27/01/1995 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 19/02/1995 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,</i>					
	smg-13 27/01/1995 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-15 07/07/1995 4 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> #13: 4.0.0 #15: 4.1.0	
	Editorial 07/08/1995 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,</i>					
	smg-22 13/06/1997 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI publication 31/12/1997 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 28/06/2000 4 . 1 . 0			<a href="#">get it</a>		
	ETSI publication 30/11/2000 4 . 1 . 1			<a href="#">get it</a>		
	SP-10 20/12/2000 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,</i>					
	smg-23 17/10/1997 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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	smg-22 13/06/1997 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI publication 29/09/1998 4 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-32 20/06/2000 4 . 1 . 0		<a href="#">get it</a>		
	SP-10 20/12/2000 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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	smg-22 13/06/1997 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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	smg-23 17/10/1997 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-25 20/03/1998 4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release: #23: 4.0.1 #25: 4.1.0</i>	
	ETSI Publication 24/08/2000 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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	smg-22 13/06/1997 4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	Editorial 13/07/1997 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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	smg-23 17/10/1997 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 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,*  
smg-22 13/06/1997 4 . 0 . 0 [get it](#) *remarks - general:*  
smg-30 11/11/1999 4 . 1 . 0 [get it](#) *remarks - this release: #22: 4.0.0 #30: 4.1.0*  
ETSI Publication 09/08/2000 4 . 1 . 1 [get it](#)

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**TS 06.82 Voice Activity Detection (VAD) for enhanced full rate speech 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,*  
smg-22 13/06/1997 4 . 0 . 0 [get it](#) *remarks - general:*  
Editorial 13/07/1997 4 . 0 . 1 [get it](#) *remarks - this release: #22: 4.0.0*

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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,*  
smg-07 25/06/1993 4 . 5 . 0 [get it](#) *remarks - general:*  
smg-08 01/10/1993 4 . 6 . 0 [get it](#) *remarks - this release:*  
smg-10 15/04/1994 4 . 7 . 0 [get it](#)  
smg-13 27/01/1995 4 . 8 . 0 [get it](#)  
smg-15 07/07/1995 4 . 9 . 0 [get it](#)  
smg-16 20/10/1995 4 . 10 . 0 [get it](#)

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## TS 07.02 Terminal Adaptation Functions (TAF) for Services Using Asynchronous Bearer Capabilities

Ph2 *current version:* 4.5.1 *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,*  
smg-07 25/06/1993 4 . 4 . 0 [get it](#) *remarks - general:*  
smg-09 21/01/1994 4 . 4 . 2 [get it](#) *remarks - this release: #7: 4.4.0 #9: 4.4.2 #11: 4.5.0*  
smg-11 01/07/1994 4 . 5 . 0 [get it](#)  
Editorial 01/08/1994 4 . 5 . 1 [get it](#)

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## TS 07.03 Terminal Adaptation Functions (TAF) for Services Using Synchronous Bearer Capabilities

Ph2 *current version:* 4.5.1 *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,*  
smg-07 25/06/1993 4 . 4 . 0 [get it](#) *remarks - general:*  
smg-09 21/01/1994 4 . 5 . 0 [get it](#) *remarks - this release: #7: 4.4.0 #9: 4.5.0*  
Editorial 21/02/1994 4 . 5 . 1 [get it](#)

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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)

Ph2 *current version:* 4.8.1 *WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*freeze\_meeting:* smg-11b *G:* yes *U:* *MCC:* RODERMUND, Friedhelm

*history (event, available, version,*  
smg-07 25/06/1993 4 . 2 . 1 [get it](#) *remarks - general:*  
smg-08 01/10/1993 4 . 3 . 0 [get it](#) *remarks - this release:*  
smg-12 07/10/1994 4 . 4 . 0 [get it](#)  
smg-16 20/10/1995 4 . 5 . 0 [get it](#)  
smg-17 02/02/1996 4 . 6 . 0 [get it](#)  
smg-18 12/04/1996 4 . 7 . 0 [get it](#)  
smg-20 11/10/1996 4 . 8 . 0 [get it](#)  
Editorial 11/11/1996 4 . 8 . 1 [get it](#)

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Server ACTIVE specs Ph2 07 .- series  
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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,

smg-16	20/10/1995	4	.	0	.	0
smg-18	12/04/1996	4	.	1	.	0
smg-24	19/12/1997	4	.	2	.	0
smg-25	20/03/1998	4	.	3	.	0
smg-27	16/10/1998	4	.	4	.	0
Editorial	16/11/1998	4	.	4	.	1

WG (prime / other): T2 / - rapporteur: CHRISTENSEN, Soren Telefon AB LM Ericsson  
G: yes U: MCC: RODERMUND, Friedhelm

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

Ph2 08 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/08\\_series](http://www.3gpp.org/ftp/Specs/archive/08_series)

## TS 08.01 General Aspects on the BSS-MSC Interface

Ph2  
current version: 4.0.3  
freeze\_meeting: smg-11b

history (event, available, version,  
smg-07 25/06/1993 4 . 0 . 0  
ETSI Publication 13/09/1994 4 . 0 . 3

WG (prime / other): G2 / - rapporteur: ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
G: yes U: MCC: THOMASEN, Gert

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

## 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,  
smg-07 25/06/1993 4 . 0 . 0  
smg-10 15/04/1994 4 . 1 . 0  
smg-13 27/01/1995 4 . 2 . 0

WG (prime / other): G2 / - rapporteur: ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
G: yes U: MCC: THOMASEN, Gert

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[get it](#)

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<b>TS 08.04</b>	<b>Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification</b>				
Ph2	<i>current version:</i> 4.0.3	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-11b		Peter Skov		
		<i>G: yes U:</i>	<i>MCC:</i> THOMASEN, Gert		
<i>history (event, available, version,</i>					
smg-07 25/06/1993	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
ETSI Publication 13/09/1994	4 . 0 . 3	<a href="#">get it</a>	<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>				
Ph2	<i>current version:</i> 4.5.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-11b		Peter Skov		
		<i>G: yes U:</i>	<i>MCC:</i> THOMASEN, Gert		
<i>history (event, available, version,</i>					
smg-07 25/06/1993	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
smg-08 01/10/1993	4 . 2 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
smg-09 21/01/1994	4 . 3 . 0	<a href="#">get it</a>			
smg-10 15/04/1994	4 . 4 . 0	<a href="#">get it</a>			
smg-12 07/10/1994	4 . 5 . 0	<a href="#">get it</a>			

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<b>TS 08.08</b>	<b>Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification</b>				
Ph2	<i>current version:</i> 4.12.1	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-11b		Peter Skov		
		<i>G: yes U:</i>	<i>MCC:</i> THOMASEN, Gert		
<i>history (event, available, version,</i>					
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smg-08 01/10/1993	4 . 5 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
smg-09 21/01/1994	4 . 6 . 0	<a href="#">get it</a>			
smg-10 15/04/1994	4 . 7 . 0	<a href="#">get it</a>			
ETSI Publication 01/09/2003	4 . 7 . 1	<a href="#">get it</a>			
smg-13 27/01/1995	4 . 8 . 0	<a href="#">get it</a>			
smg-15 07/07/1995	4 . 9 . 0	<a href="#">get it</a>			
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smg-17 02/02/1996	4 . 11 . 0	<a href="#">get it</a>			
smg-23 17/10/1997	4 . 12 . 0	<a href="#">get it</a>			
ETSI Publication 23/10/1998	4 . 12 . 1	<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>					
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:	MCC: BOSWARTHICK, David			
	<i>history (event, available, version,</i>					
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	smg-13 27/01/1995 4 . 2 . 3			<a href="#">get it</a>	<i>remarks - this release:</i>	
<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		MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	MCC: Peter Skov THOMASEN, Gert			
	<i>history (event, available, version,</i>					
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	smg-13 27/01/1995 4 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	
<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		MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	MCC: Peter Skov THOMASEN, Gert			
	<i>history (event, available, version,</i>					
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	smg-14 07/04/1995 4 . 2 . 0			<a href="#">get it</a>		
<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		MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	MCC: Peter Skov THOMASEN, Gert			
	<i>history (event, available, version,</i>					
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	smg-13 27/01/1995 4 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	
<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		MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-11b	G: yes U:	MCC: Peter Skov THOMASEN, Gert			
	<i>history (event, available, version,</i>					
	smg-08 01/10/1993 4 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI Publication 13/09/1994 4 . 0 . 2			<a href="#">get it</a>	<i>remarks - this release:</i>	

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

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Server ACTIVE specs Ph2 08 .- series  
[http://www.3gpp.org/ftp/Specs/archive/08\\_series](http://www.3gpp.org/ftp/Specs/archive/08_series)

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<b>TS 08.58</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	MOTOROLA A/S					
	<i>freeze_meeting:</i> smg-11b		Peter Skov						
		G: yes U:	MCC: THOMASEN, Gert						
	<i>history (event, available, version,</i>								
	smg-07 25/06/1993	4 . 3 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
	smg-08 01/10/1993	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 21/01/1994	4 . 5 . 0	<a href="#">get it</a>						
	smg-10 15/04/1994	4 . 6 . 0	<a href="#">get it</a>						
	smg-13 27/01/1995	4 . 7 . 0	<a href="#">get it</a>						
	smg-15 07/07/1995	4 . 8 . 0	<a href="#">get it</a>						
	smg-16 20/10/1995	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	MOTOROLA A/S					
	<i>freeze_meeting:</i> smg-11b		Peter Skov						
		G: yes U:	MCC: USAI, Paolino						
	<i>history (event, available, version,</i>								
	smg-07 25/06/1993	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 27/01/1995	4 . 2 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					
	smg-22 13/06/1997	4 . 3 . 0	<a href="#">get it</a>						
	smg-23 17/10/1997	4 . 4 . 0	<a href="#">get it</a>						
	Editorial 17/11/1997	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	MOTOROLA A/S					
	<i>freeze_meeting:</i> smg-11b		Peter Skov						
		G: yes U:	MCC: USAI, Paolino						
	<i>history (event, available, version,</i>								
	smg-13 27/01/1995	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 19/01/1996	4 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release:</i>					

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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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<b>TR 09.01</b>	<b>General Network Interworking Scenarios</b>						
Ph2	<i>current version:</i> 4.0.1	WG (prime / other):	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,</i>						
	smg-08 01/10/1993	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-09 21/01/1994	4 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>		
<b>TS 09.02</b>	<b>Mobile Application Part (MAP) Specification</b>						
Ph2	<i>current version:</i> 4.19.1	WG (prime / other):	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,</i>						
	smg-07 25/06/1993	4 . 4 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	CN->N4 Apr00 (JMM)	
	smg-08 01/10/1993	4 . 5 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-09 21/01/1994	4 . 6 . 0		<a href="#">get it</a>			
	smg-10 15/04/1994	4 . 7 . 0		<a href="#">get it</a>			
	smg-11 01/07/1994	4 . 8 . 0		<a href="#">get it</a>			
	smg-12 07/10/1994	4 . 9 . 0		<a href="#">get it</a>			
	smg-13 27/01/1995	4 . 10 . 0		<a href="#">get it</a>			
	smg-14 07/04/1995	4 . 11 . 0		<a href="#">get it</a>			
	smg-16 20/10/1995	4 . 12 . 0		<a href="#">get it</a>			
	smg-17 02/02/1996	4 . 13 . 0		<a href="#">get it</a>			
	smg-19 28/06/1996	4 . 14 . 0		<a href="#">get it</a>			
	smg-20 11/10/1996	4 . 15 . 0		<a href="#">get it</a>			
	smg-21 14/02/1997	4 . 16 . 0		<a href="#">get it</a>			
	smg-22 13/06/1997	4 . 17 . 0		<a href="#">get it</a>			
	smg-23 17/10/1997	4 . 18 . 0		<a href="#">get it</a>			
	NP-08 23/06/2000	4 . 19 . 0		<a href="#">get it</a>			
	ETSI Publication 04/01/2001	4 . 19 . 1		<a href="#">get it</a>			
<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	WG (prime / other):	N3	/-	<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,</i>						
	smg-08 01/10/1993	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	N3: "no R99 needed".	
	smg-09 21/01/1994	4 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>	#8: 4.0.0 #9: 4.0.1	
	ETSI Publication 14/03/1995	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,</i>								
	smg-07 25/06/1993	4	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i> N3: "no R99 needed".
	smg-08 01/10/1993	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 21/01/1994	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,</i>								
	smg-07 25/06/1993	4	.	3	.	0		<a href="#">get it</a>	<i>remarks - general:</i> N3: "no R99 needed".
	smg-08 01/10/1993	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 21/01/1994	4	.	4	.	1		<a href="#">get it</a>	
	ETSI Publication 13/09/1994	4	.	4	.	2		<a href="#">get it</a>	

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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>								
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,</i>								
	smg-07 25/06/1993	4	.	3	.	0		<a href="#">get it</a>	<i>remarks - general:</i> N3: "no R99 needed".
	smg-09 21/01/1994	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 07/10/1994	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>	4.13.1	WG (prime / other):	N3	/-	rporteur:	KLEHN, Norbert
Ph2	current version: <b>Network (PSTN)</b>						
SIEMENS AG							
	freeze_meeting: smg-11b		G: yes	U:	MCC:	BOSWARTHICK, David	
	history (event, available, version,						
	smg-07 25/06/1993	4 . 4 . 0					<a href="#">get it</a> remarks - general:
	smg-08 01/10/1993	4 . 5 . 0					<a href="#">get it</a> remarks - this release: #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 21/01/1994	4 . 6 . 0					<a href="#">get it</a>
	smg-10 15/04/1994	4 . 7 . 0					<a href="#">get it</a>
	smg-13 27/01/1995	4 . 8 . 0					<a href="#">get it</a>
	smg-14 07/04/1995	4 . 9 . 0					<a href="#">get it</a>
	smg-16 20/10/1995	4 . 10 . 0					<a href="#">get it</a>
	smg-18 12/04/1996	4 . 11 . 0					<a href="#">get it</a>
	smg-20 11/10/1996	4 . 12 . 0					<a href="#">get it</a>
	smg-27 16/10/1998	4 . 13 . 0					<a href="#">get it</a>
	ETSI Publication 23/03/1999	4 . 13 . 1					<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>	4.1.1	WG (prime / other):	N1 / -	rporteur:	FARHOUMAND, Ericsson Incorporated	
Ph2	current version: 4.1.1						
	freeze_meeting: smg-11b						
	history (event, available, version,						
	smg-09 21/01/1994	4 . 0 . 0					<a href="#">get it</a> remarks - general:
	smg-13 27/01/1995	4 . 1 . 0					<a href="#">get it</a> remarks - this release: #9: 4.0.0 #13: 4.1.0
	Editorial 27/02/1995	4 . 1 . 1					<a href="#">get it</a>
<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</b>	4.4.1	WG (prime / other):	N4	/-	rporteur:	KYMALAINEN, Kimmo
Ph2	current version: <b>Procedures and the Mobile Application Part (MAP)</b>						
TeliaSonera AB							
	freeze_meeting: smg-11b		G: yes	U:	MCC:	KYMALAINEN, Kimmo	
	history (event, available, version,						
	smg-08 01/10/1993	4 . 0 . 0					<a href="#">get it</a> remarks - general:
	smg-09 21/01/1994	4 . 1 . 0					<a href="#">get it</a> remarks - this release: #8: 4.0.0 #9: 4.1.0 #10: 4.2.0 #17: 4.3.0 #23: 4.4.0
	smg-10 15/04/1994	4 . 2 . 0					<a href="#">get it</a>
	smg-17 02/02/1996	4 . 3 . 0					<a href="#">get it</a>
	smg-23 17/10/1997	4 . 4 . 0					<a href="#">get it</a>
	Editorial 17/11/1997	4 . 4 . 1					<a href="#">get it</a>

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## TS 09.11 Signalling Interworking for Supplementary Services

Ph2  
current version: 4.6.1  
freeze\_meeting: smg-11b  
history (event, available, version,

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

smg-07 25/06/1993 4 . 1 . 0  
smg-08 01/10/1993 4 . 2 . 0  
smg-09 21/01/1994 4 . 3 . 0  
smg-12 07/10/1994 4 . 4 . 0  
smg-13 27/01/1995 4 . 5 . 0  
smg-19 28/06/1996 4 . 6 . 0  
Editorial 28/07/1996 4 . 6 . 1

[get it](#) remarks - general:  
[get it](#) remarks - this release: #7: 4.1.0 #8: 4.2.0 #9: 4.3.0 #12: 4.4.0 #13: 4.5.0 #19: 4.6.0  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

## TS 09.12 Application of ISUP Version 2 for the ISDN-PLMN (GSM) Signalling

Ph2  
current version: 4.2.2  
freeze\_meeting: smg-11b  
history (event, available, version,

WG (prime / other): SPA / N4 rapporteur: HÄNDIG, Peter Telia Mobile AB  
G: yes U: MCC:

smg-17 4 . 0 . 0  
ETSI vote 06/02/1997 4 . 1 . 0  
ETSI publication 16/05/1997 4 . 1 . 1  
smg-22 13/06/1997 4 . 2 . 1  
ETSI publication 26/05/1999 4 . 2 . 2

[get it](#) remarks - general: EN 300 646  
[get it](#) remarks - this release: smg-22: 4.2.1 - SPAN1 prime resp., SMG 2nd resp. - different numbering scheme.  
[get it](#)  
[get it](#)

## TR 09.90 Interworking between Phase 1 Infrastructure and Phase 2 Mobile Stations (MS)

Ph2  
current version: 4.9.0  
freeze\_meeting: smg-11b  
history (event, available, version,

WG (prime / other): N1 / - rapporteur: HOWELL, Andrew MOTOROLA Ltd  
G: yes U: MCC: JORGENSEN, Per Johan

smg-15 07/07/1995 4 . 5 . 0  
smg-16 ? 20/10/1995 4 . 6 . 0  
smg-18 12/04/1996 4 . 7 . 0  
smg-19 28/06/1996 4 . 8 . 0  
smg-22 13/06/1997 4 . 9 . 0

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

## TS 09.91 Interworking Aspects of the SIM/ME Interface Between Phase 1 and Phase 2

Ph2  
current version: 4.0.1  
freeze\_meeting: smg-11b  
history (event, available, version,

WG (prime / other): T3 / - rapporteur: GUTHERY, Scott B. Mobile-Mind Inc.  
G: yes U: MCC: DIETZE, Claus

smg-10 15/04/1994 4 . 0 . 0  
Editorial correction 15/05/1994 4 . 0 . 1

[get it](#) remarks - general:  
[get it](#) remarks - this release: #10: 4.0.0

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<b>TR 09.94</b>	<b>Recommended infrastructure measures to overcome specific Mobile Station (MS) faults</b>								
Ph2	current version: 4.6.1			WG (prime / other):	N1 / -	rapporteur:	ANDERSEN, Niels	MOTOROLA A/S	
	freeze_meeting: smg-11b						Peter Skov		
				G: yes	U:	MCC:	JORGENSEN, Per Johan		
<i>history (event, available, version,</i>									
	smg-14	07/04/1995	4	.	0	.	0	<a href="#">get it</a>	remarks - general:
	smg-15	07/07/1995	4	.	1	.	0	<a href="#">get it</a>	remarks - this release: 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	20/10/1995	4	.	2	.	0	<a href="#">get it</a>	
	smg-19	28/06/1996	4	.	3	.	0	<a href="#">get it</a>	
	smg-23	17/10/1997	4	.	4	.	0	<a href="#">get it</a>	
	smg-30	11/11/1999	4	.	5	.	0	<a href="#">get it</a>	
	NP-16	26/06/2002	4	.	6	.	0	<a href="#">get it</a>	
	edito post NP-18	16/12/2002	4	.	6	.	1	<a href="#">get it</a>	minor editorials to change style from TS to TR.

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## TS 11.10-1 Mobile station (MS) conformance specification; Part 1: Conformance specification

Ph2 current version: 4.29.0  
freeze\_meeting: smg-11b

WG (prime / other): G3ne / S1 / NP / T2 / SCP  
rapporteur: SALMERON, Lidia TELEPLUS LIMITED

G: yes U: MCC: CLAYTON, Michael

history (event, available, version,

smg-16 20/10/1995 4 . 13 . 0

smg-17 02/02/1996 4 . 14 . 0

replaced by Rel-5 equivalent. 2001-11-19: G4->G5.

smg-18 12/04/1996 4 . 15 . 0

smg-19 28/06/1996 4 . 16 . 0

smg-20 11/10/1996 4 . 17 . 0

smg-21 14/02/1997 4 . 18 . 0

smg-22 13/06/1997 4 . 19 . 0

smg-23 17/10/1997 4 . 20 . 0

smg-24 19/10/1997 4 . 21 . 0

smg-25 20/03/1998 4 . 22 . 0

smg-26 26/06/1998 4 . 23 . 1

smg-27 16/10/1998 4 . 24 . 0

smg-28 12/02/1999 4 . 25 . 0

smg-29 25/06/1999 4 . 26 . 0

smg-30 11/11/1999 4 . 27 . 0

smg-31 16/02/2000 4 . 28 . 0

ETSI Publication 08/09/2000 4 . 28 . 1

GP-06 06/09/2001 4 . 29 . 0

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remarks - general: R99 version now serves all releases. Earlier releases closed.. Subsequently  
remarks - this release: #31b: closed (R99 version serves all releases) GP-06: Rel-4 serves all releases.

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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  
freeze\_meeting: smg-11b

WG (prime / other): G3ne / S1 / NP / T2 / SCP  
rapporteur: SALMERON, Lidia TELEPLUS LIMITED

G: yes U: MCC: CLAYTON, Michael

history (event, available, version,

smg-16 20/10/1995 4 . 13 . 0

smg-17 02/02/1996 4 . 14 . 0

smg-18 12/04/1996 4 . 15 . 0

GP-06 06/09/2001 4 . 16 . 0

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remarks - general: 2001-11-19: G4->G5.  
remarks - this release: GP-06: Rel-4 serves all releases.

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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:* DIETZE, Claus

*history (event, available, version,*

smg-07	25/06/1993	4	.	8	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-08	01/10/1993	4	.	9	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
smg-09	21/01/1994	4	.	10	.	0	<a href="#">get it</a>	
smg-10	15/04/1994	4	.	11	.	0	<a href="#">get it</a>	
smg-11	01/07/1994	4	.	12	.	0	<a href="#">get it</a>	
smg-12	07/10/1994	4	.	13	.	0	<a href="#">get it</a>	
ETSI Publication	01/09/2003	4	.	13	.	1	<a href="#">get it</a>	
smg-13	27/01/1995	4	.	14	.	0	<a href="#">get it</a>	
smg-15	07/04/1995	4	.	15	.	0	<a href="#">get it</a>	
smg-16	20/10/1995	4	.	16	.	0	<a href="#">get it</a>	
smg-18	12/04/1996	4	.	17	.	0	<a href="#">get it</a>	
smg-19	28/06/1996	4	.	18	.	0	<a href="#">get it</a>	
smg-22	13/06/1997	4	.	19	.	0	<a href="#">get it</a>	
smg-25	20/03/1998	4	.	20	.	0	<a href="#">get it</a>	
smg-29	25/06/1999	4	.	21	.	0	<a href="#">get it</a>	
ETSI Publication	17/12/1999	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 MOBILE PHONES  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* DIETZE, Claus

*history (event, available, version,*

smg-15	07/07/1995	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
smg-17	02/02/1996	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
ETSI vote	05/08/1996	4	.	1	.	1	<a href="#">get it</a>	
ETSI publication	19/12/1996	4	.	1	.	2	<a href="#">get it</a>	
smg-21	14/02/1997	4	.	2	.	0	<a href="#">get it</a>	
ETSI publication	26/08/1997	4	.	2	.	1	<a href="#">get it</a>	
smg-23	17/10/1997	4	.	3	.	0	<a href="#">get it</a>	
ETSI publication	07/04/1998	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

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Server ACTIVE specs Ph2 11 .- series  
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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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	smg-11 01/07/1994	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-12 07/10/1994	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	smg-13 27/01/1995	4 . 2 . 0	<a href="#">get it</a>		
	smg-15 07/07/1995	4 . 3 . 0	<a href="#">get it</a>		
	smg-16 20/10/1995	4 . 4 . 0	<a href="#">get it</a>		
	smg-17 02/02/1996	4 . 5 . 0	<a href="#">get it</a>		
	smg-18 12/04/1996	4 . 6 . 0	<a href="#">get it</a>		
	smg-20 11/10/1996	4 . 7 . 0	<a href="#">get it</a>		
	smg-22 13/06/1997	4 . 8 . 0	<a href="#">get it</a>		
	smg-23 17/10/1997	4 . 9 . 0	<a href="#">get it</a>		
	smg-25 20/03/1998	4 . 10 . 0	<a href="#">get it</a>		
	smg-26 26/06/1998	4 . 11 . 0	<a href="#">get it</a>		
	smg-27 16/10/1998	4 . 12 . 0	<a href="#">get it</a>		
	smg-28 12/02/1999	4 . 13 . 0	<a href="#">get it</a>		
	smg-29 25/06/1999	4 . 14 . 0	<a href="#">get it</a>		
	ETSI Publication 17/12/1999	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 Electronical 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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	<to be defined>	4 . 0 . 0		<i>remarks - general:</i>	
	smg-21 14/02/1997	4 . 1 . 3	<a href="#">get it</a>	<i>remarks - this release:</i> .	
	smg-31b 17/04/2000	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

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Server ACTIVE specs Ph2 11 .- series  
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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,*

smg-11	01/07/1994	4	.	0	.	0
smg-15	07/07/1995	4	.	1	.	0
smg-16	20/10/1995	4	.	2	.	0
smg-17	02/02/1996	4	.	3	.	0
smg-18	12/04/1996	4	.	4	.	0
smg-19	28/06/1996	4	.	5	.	0
smg-21	14/02/1997	4	.	6	.	0
smg-22	13/06/1997	4	.	7	.	0
smg-23	17/10/1997	4	.	8	.	0
smg-25	20/03/1998	4	.	9	.	0
Editorial	20/10/1998	4	.	9	.	1

[get it](#)

*remarks - general:*

[get it](#)

*remarks - this release:* Not progressed to Ph2+ because no regulatory requirement.

[get it](#)

[get it](#)

[get it](#)

[get it](#)

[get it](#)

[get it](#)

[get it](#)

[get it](#)

[get it](#)

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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,*

smg-14	07/04/1995	4	.	0	.	0
smg-20	11/10/1996	4	.	1	.	0
smg-25	20/03/1998	4	.	2	.	0
smg-27	16/10/1998	4	.	3	.	0
Editorial correction	16/10/1998	4	.	3	.	1

[get it](#)

*remarks - general:*

[get it](#)

*remarks - this release:* #14: 400 #20: 4.1.0 #25: 4.2.0 #27: 4.3.0

[get it](#)

[get it](#)

[get it](#)

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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,*

smg-15	07/07/1995	4	.	0	.	0
smg-17	02/02/1996	4	.	1	.	0
smg-18	12/04/1996	4	.	2	.	0
smg-20	11/10/1996	4	.	2	.	2

[get it](#)

*remarks - general:*

[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

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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)

## 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,

smg-07	25/06/1993	4	.	0	.	0	<a href="#">get it</a>	remarks - general:
smg-08	01/10/1993	4	.	1	.	0	<a href="#">get it</a>	remarks - this release:
smg-11	01/07/1994	4	.	2	.	0	<a href="#">get it</a>	
smg-15	07/07/1995	4	.	3	.	0	<a href="#">get it</a>	
smg-16	20/10/1995	4	.	4	.	0	<a href="#">get it</a>	
smg-17	02/02/1996	4	.	5	.	0	<a href="#">get it</a>	
smg-23	17/10/1997	4	.	6	.	0	<a href="#">get it</a>	

## 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,

smg-07	25/06/1993	4	.	0	.	0	<a href="#">get it</a>	remarks - general:
smg-08	01/10/1993	4	.	1	.	0	<a href="#">get it</a>	remarks - this release:
smg-10	15/04/1994	4	.	2	.	0	<a href="#">get it</a>	
smg-11	01/07/1994	4	.	3	.	0	<a href="#">get it</a>	
smg-17	02/02/1996	4	.	4	.	0	<a href="#">get it</a>	
Editorial	02/02/1996	4	.	4	.	1	<a href="#">get it</a>	

## 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,

smg-07	25/06/1993	4	.	0	.	0	<a href="#">get it</a>	remarks - general:
smg-08	01/10/1993	4	.	1	.	0	<a href="#">get it</a>	remarks - this release:
smg-09	21/01/1994	4	.	2	.	0	<a href="#">get it</a>	
smg-11	01/07/1994	4	.	3	.	0	<a href="#">get it</a>	
smg-15	07/07/1995	4	.	4	.	0	<a href="#">get it</a>	
smg-16	20/10/1995	4	.	5	.	0	<a href="#">get it</a>	
smg-17	02/02/1996	4	.	6	.	0	<a href="#">get it</a>	
Editorial	02/02/1996	4	.	6	.	1	<a href="#">get it</a>	

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

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<b>TS 12.03</b>	<b>Security Management</b>					
Ph2	<i>current version:</i> 4.2.1					
	<i>freeze_meeting:</i> smg-11b					
	<i>history (event, available, version,</i>					
	smg-11 01/07/1994 4 . 0 . 0					
	smg-14 07/04/1995 4 . 1 . 0					
	smg-17 02/02/1996 4 . 2 . 0					
	Editorial 02/02/1996 4 . 2 . 1					
		<i>WG (prime / other):</i> S5 / S1 /	<i>rapporteur:</i> TRUSS, Michael		MOTOROLA Ltd	
			NP			
		<i>G: yes U:</i>	<i>MCC:</i> ZOICAS, Adrian			
			<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>			
<b>TS 12.04</b>	<b>Performance data measurements</b>					
Ph2	<i>current version:</i> 4.3.1					
	<i>freeze_meeting:</i> smg-11b					
	<i>history (event, available, version,</i>					
	smg-08 01/10/1993 4 . 0 . 0					
	smg-11 01/07/1994 4 . 1 . 0					
	smg-13 27/01/1995 4 . 2 . 0					
	smg-17 02/02/1996 4 . 3 . 0					
	Editorial correction 02/02/1996 4 . 3 . 1					
		<i>WG (prime / other):</i> S5 / S1 /	<i>rapporteur:</i> TOCHE, Christian		NORTEL NETWORKS (EUROPE)	
			NP			
		<i>G: yes U:</i>	<i>MCC:</i> ZOICAS, Adrian			
			<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>			
<b>TS 12.05</b>	<b>Subscriber Related Call and Event Data</b>					
Ph2	<i>current version:</i> 4.3.1					
	<i>freeze_meeting:</i> smg-11b					
	<i>history (event, available, version,</i>					
	smg-08 01/10/1993 4 . 0 . 0					
	smg-11 01/07/1994 4 . 1 . 0					
	smg-15 07/07/1995 4 . 1 . 1					
	smg-17 02/02/1996 4 . 2 . 0					
	smg-22 13/06/1997 4 . 3 . 0					
	Editorial correction 13/06/1997 4 . 3 . 1					
		<i>WG (prime / other):</i> S5 / S1	<i>rapporteur:</i> ALEXANDER, Benni		NOKIA Corporation	
		<i>G: yes U:</i>	<i>MCC:</i> ZOICAS, Adrian			
			<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>			
			<a href="#">get it</a>			

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

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## TS 12.06 Network Configuration Management and Administration

Ph2  
*current version:* 4.1.1  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*  
smg-11 01/07/1994 4 . 0 . 0  
smg-12 07/10/1994 4 . 0 . 1  
smg-17 02/02/1996 4 . 1 . 0  
Editorial correction 02/02/1996 4 . 1 . 1

*WG (prime / other):* S5 / NP *rapporteur:* TOVINGER, Thomas  
*G: yes U:* MCC: ZOICAS, Adrian Telefon AB LM Ericsson

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

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## TS 12.08 Subscriber and Equipment trace

Ph2  
*current version:* 4.6.1  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*  
smg-12 07/10/1994 4 . 0 . 0  
smg-14 07/04/1995 4 . 1 . 0  
smg-16 20/10/1995 4 . 2 . 0  
smg-18 12/04/1996 4 . 3 . 0  
smg-20 11/10/1996 4 . 4 . 0  
smg-22 13/06/1997 4 . 5 . 0  
smg-23 17/10/1997 4 . 6 . 0  
ETSI publication 30/10/2001 4 . 6 . 1

*WG (prime / other):* S5 / NP *rapporteur:* RONKA, Kari  
*G: yes U:* MCC: ZOICAS, Adrian NOKIA Corporation

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

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## TS 12.11 Fault management of the Base Station System (BSS)

Ph2  
*current version:* 4.2.1  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*  
smg-26 26/06/1998 4 . 2 . 0  
Editorial correction 26/06/1998 4 . 2 . 1

*WG (prime / other):* S5 / S1 / GP *rapporteur:* TOVINGER, Thomas  
*G: yes U:* MCC: ZOICAS, Adrian Telefon AB LM Ericsson

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

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

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## TS 12.20 Base Station System (BSS) Management Information

Ph2 *current version:* 4.2.1 *WG (prime / other):* S5 / NP *rapporteur:* TRUSS, Michael MOTOROLA Ltd  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
smg-09 21/01/1994 4 . 0 . 0 [get it](#) *remarks - general:*  
smg-11 01/07/1994 4 . 1 . 0 [get it](#) *remarks - this release:* #9: 4.0.0 #11: 4.1.0 #13: 4.1.1 #17: 4.2.0  
smg-13 27/01/1995 4 . 1 . 1 [get it](#)  
smg-17 02/02/1996 4 . 2 . 0 [get it](#)  
Editorial correction 02/02/1996 4 . 2 . 1 [get it](#)

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## TS 12.21 Network Management (NM) procedures and messages on the A-bis interface

Ph2 *current version:* 4.6.0 *WG (prime / other):* G1 / S5 *rapporteur:* TRUSS, Michael MOTOROLA Ltd  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version,*  
smg-06? 4 . 0 . 0 *remarks - general:* SP-13: S5->G3 but no change of rapporteur.  
smg-07 25/06/1993 4 . 1 . 0 [get it](#) *remarks - this release:*  
smg-08 01/10/1993 4 . 2 . 0 [get it](#)  
smg-09 21/01/1994 4 . 3 . 0 [get it](#)  
smg-11 01/07/1994 4 . 4 . 0 [get it](#)  
smg-13 27/01/1995 4 . 5 . 0 [get it](#)  
smg-16 20/10/1995 4 . 5 . 2 [get it](#)  
ETSI publication 28/05/1998 4 . 5 . 4 [get it](#)  
smg-21 4 . 6 . 0

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## TS 12.22 Interworking of GSM Network Management (NM) Procedures and Messages at the Base Station Controller (BSC)

Ph2 *current version:* 4.1.4 *WG (prime / other):* G1 / S5 *rapporteur:* YUHAN, Albert T-Mobile USA Inc.  
*freeze\_meeting:* smg-11b *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version,*  
smg-11 01/07/1994 4 . 0 . 0 [get it](#) *remarks - general:* SP-13: S5->G3 but no change of rapporteur.  
smg-13 27/01/1995 4 . 1 . 0 [get it](#) *remarks - this release:*  
PE88 24/07/1995 4 . 1 . 1 [get it](#)  
smg-16 20/10/1995 4 . 1 . 2 [get it](#)  
V100 25/03/1996 4 . 1 . 3 [get it](#)  
ETSI publication 04/09/1996 4 . 1 . 4 [get it](#)

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



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**TR 12.30 ETSI Object Identifier Tree; Mobile Domain O&M**

Ph2 *current version:* 4.2.0  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*  
smg-10 15/04/1994 4 . 0 . 0  
smg-11 01/07/1994 4 . 1 . 0  
smg-15 07/07/1995 4 . 2 . 0

*WG (prime / other):* S5 / - *rapporteur:* TRUSS, Michael MOTOROLA Ltd  
*G: yes U:* *MCC:* ZOICAS, Adrian

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #10: 4.0.0 #11: 4.1.0 #15: 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  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*

*WG (prime / other):* MSG / - *rapporteur:*  
*G: yes U:* *MCC:* GUTIERREZ MIGUELEZ, Cesar

*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  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*

*WG (prime / other):* MSG / - *rapporteur:*  
*G: yes U:* *MCC:* GUTIERREZ MIGUELEZ, Cesar

*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  
*freeze\_meeting:* smg-11b  
*history (event, available, version,*

*WG (prime / other):* MSG / - *rapporteur:*  
*G: yes U:* *MCC:* GUTIERREZ MIGUELEZ, Cesar

*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

# 3GPP specification status

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Server ACTIVE specs Ph2 TB .- series  
[http://www.3gpp.org/ftp/Specs/archive/TB\\_series](http://www.3gpp.org/ftp/Specs/archive/TB_series)

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## TS TBR32 Attachment Requirements for DCS Terminal Equipment (Telephony)

Ph2  
current version: none  
freeze\_meeting: smg-11b  
history (event, available, version,

WG (prime / other): MSG / - rapporteur:  
G: yes U: MCC: GUTIERREZ MIGUELEZ, Cesar

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  
freeze\_meeting:

WG (prime / other): S3 / NP / rapporteur: NGUYEN NGOC, France Telecom  
GP Sebastien  
G: yes U: MCC: POPE, Maurice

history (event, available, version,  
smg-07 01/09/2003 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  
freeze\_meeting:

WG (prime / other): N1 / G2 rapporteur: HOWELL, Andrew MOTOROLA Ltd  
G: yes U: MCC: JORGENSEN, Per Johan

history (event, available, version,  
ETSI publication 01/01/1995 3 . 0 . 0 extension to 04.08 v3.13.0

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

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

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Server ACTIVE specs Ph1-EXT 04 .- series  
[http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

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 MOTOROLA A/S  
freeze\_meeting: G: yes U: MCC: THOMASEN, Gert  
history (event, available, version, smg-07 01/01/1995 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 MOTOROLA A/S  
freeze\_meeting: G: yes U: MCC: THOMASEN, Gert  
history (event, available, version, ETSI publication 01/01/1995 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-DC current version: 3.0.0 WG (prime / other): S1 / - rapporteur: JEAL, David VODAFONE Group Plc  
freeze\_meeting: G: yes U: MCC: CLAYTON, Michael  
history (event, available, version, 01/01/1995 3 . 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

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Server ACTIVE specs Ph1-DC 02 .- series  
[http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

## TS 02.11dcs Service accessibility (DCS 1800)

Ph1-DC *current version:* 3.1.0

*freeze\_meeting:*

*history (event, available, version,*

? 10/05/1994 3 . 0 . 0 illegible

smg-01 10/05/1994 3 . 0 . 1

ETSI publication 01/01/1995 3 . 1 . 0

*WG (prime / other):* S1 / -

*G: yes U:*

*rapporteur:* EVEN, Anne

*MCC:* CLAYTON, Michael

France Telecom

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

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

[get it](#)

Ph1-DCS 03 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

## TS 03.12dcs Location Registration Procedures (DCS 1800)

Ph1-DC *current version:* 3.0.1

*freeze\_meeting:*

*history (event, available, version,*

ETSI publication 19/08/2003 3 . 0 . 1

*WG (prime / other):* N4 / -

*G: yes U:*

*rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB

*MCC:* KYMALAINEN, Kimmo

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

*remarks - this release:* .

Ph1-DCS 04 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

## TS 04.08dcs Mobile radio interface layer 3 specification (DCS 1800)

Ph1-DC *current version:* 3.1.0

*freeze\_meeting:*

*history (event, available, version,*

ETSI publication 01/01/1995 3 . 1 . 0 extension to 04.08 v3.13.0

*WG (prime / other):* N1 / G2

*G: yes U:*

*rapporteur:* HOWELL, Andrew MOTOROLA Ltd

*MCC:* JORGENSEN, Per Johan

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

*remarks - this release:* .

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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Server ACTIVE specs Ph1-DC 05 .- series  
[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-DC *current version:* 3.0.0  
*freeze\_meeting:*

*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 0 . 0 based on 05.01 v3.3.2

*WG (prime / other):* G1 / - *rapporteur:* JOKINEN, Harri  
*G: yes U:* *MCC:* USAI, Paolino

NOKIA MOBILE PHONES

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

---

**TS 05.05dcs Radio Transmission and Reception (DCS 1800)**

Ph1-DC *current version:* 3.3.0  
*freeze\_meeting:*

*history (event, available, version,*  
smg-07 3 . 2 . 0  
smg-08 01/01/1995 3 . 3 . 0 based on 05.05 v3.16.0

*WG (prime / other):* G1 / - *rapporteur:* SAMUELSSON, Mats  
*G: yes U:* *MCC:* USAI, Paolino

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

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**TS 05.08dcs Radio Subsystem Link Control (DCS 1800)**

Ph1-DC *current version:* 3.0.0  
*freeze\_meeting:*

*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 0 . 0

*WG (prime / other):* G1 / - *rapporteur:* EL-SAIGH, Amer  
*G: yes U:* *MCC:* USAI, Paolino

VODAFONE Group Plc

[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-DC *current version:* 3.0.0  
*freeze\_meeting:*

*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 0 . 0 based on 08.58 v3.5.0

*WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels  
*G: yes U:* *MCC:* Peter Skov  
THOMASEN, Gert

MOTOROLA A/S

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

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Server ACTIVE specs Ph1-DC 09 .- series  
[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-DC *current version:* 3.0.0

*freeze\_meeting:*

*history (event, available, version,*

ETSI publication 03/03/1993 3 . 0 . 0 based on 09.02 v3.8.0

*WG (prime / other):* N4 / -

*G: yes U:*

*rapporteur:* WIEHE, Ulrich

*MCC:* KYMALAINEN, Kimmo

Gesellschaft für Kommunikations Software

[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-DC *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:*

*history (event, available, version,*

ETSI publication 01/01/1995 3 . 0 . 0

*G: yes U:*

*MCC:*

KYMALAINEN, Kimmo

[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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Server ACTIVE specs Ph1-DC 11 .- series  
[http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

## TS 11.10dcs Mobile Station Conformity Specification (DCS 1800)

Ph1-DC *current version:* 3.23.1  
*freeze\_meeting:*

*WG (prime / other):* G3ne / S1 / rapporteur: LEGRAND, Walter EADS TELECOM  
G3ne  
w /  
NP /  
T2 /  
SCP

*G: yes U:* *MCC:* CLAYTON, Michael

*history (event, available, version,*

smg-02		3	.	2	.	0
smg-03		3	.	3	.	0
smg-04bis		3	.	4	.	0
smg-05		3	.	5	.	0
smg-06	28/06/1995	3	.	6	.	0
smg-07	07/06/1996	3	.	7	.	0
smg-08	07/06/1996	3	.	8	.	0
smg-09	07/06/1996	3	.	9	.	0
smg-10	07/06/1996	3	.	10	.	0
smg-11	07/06/1996	3	.	11	.	0
smg-12	07/06/1996	3	.	12	.	0
smg-13	07/06/1996	3	.	13	.	0
ETSI publication	01/12/1996	3	.	23	.	1

based on 11.10 v3.19.0

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

[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

## TS 11.11dcs Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface (DCS 1800)

Ph1-DC *current version:* 3.3.4  
*freeze\_meeting:*

*WG (prime / other):* T3 / - rapporteur: GUTHERY, Scott B. Mobile-Mind Inc.  
*G: yes U:* *MCC:* DIETZE, Claus

*history (event, available, version,*

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	21/02/1994	3	.	3	.	4

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

[get it](#)

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Server ACTIVE specs Ph1-DC 11 .- series  
[http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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## TS 11.20dcs GSM DCS 1800 Base Station Specification

Ph1-DC current version: 3.13.0

freeze\_meeting:

history (event, available, version,

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	01/01/1995	3	.	13	.	0

WG (prime / other): GP / NP rapporteur: VACANT,  
G: yes U: MCC: USAI, Paolino

remarks - general:  
remarks - this release:

[get it](#)

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## TS 11.40dcs DCS 1800 System Simulator conformity specification

Ph1-DC current version: 3.3.0

freeze\_meeting:

history (event, available, version,

smg-04	3	.	2	.	0	
smg-11	13/11/1995	3	.	3	.	0

WG (prime / other): G3ne / - rapporteur:  
G: yes U: MCC: CLAYTON, Michael

remarks - general:  
remarks - this release: #4: 3.2.0 #11: 3.3.0

[get it](#)

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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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Server ACTIVE specs Ph1 01 .- series  
[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:* 3.0.0 *WG (prime / other):* SP / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
*freeze\_meeting:* G: yes U: *MCC:* POPE, Maurice  
*history (event, available, version,*  
SP-20 25/06/2003 3 . 0 . 0 Created from 41.103. [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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**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,*  
gsm-29 2 . 0 . 3 *remarks - general:*  
smg-12 07/10/1994 3 . 0 . 0 [get it](#) *remarks - this release:* .  
ETSI publication 01/01/1995 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,*  
smg-18 10/04/1996 3 . 0 . 0 [get it](#) *remarks - general:*  
ETSI publication 01/01/1995 3 . 0 . 1 [get it](#) *remarks - this release:* .  
PT12 release 15/02/1992 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,*  
CEPT GSM doc 15/01/1990 3 . 1 . 1 [get it](#) *remarks - general:*  
CEPT GSM doc 15/07/1991 3 . 2 . 0 [get it](#) *remarks - this release:* .

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Server ACTIVE specs Ph1 02 .- series  
[http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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<b>TS 02.03</b>	<b>Teleservices Supported by a GSM Public Land Mobile Network (PLMN)</b>					
Ph1	current version: 3.4.1	WG (prime / other):	S1 / -	rapporteur:	CONRAD, Alan	T-MOBILE DEUTSCHLAND
	freeze_meeting: gsm-25b	G: yes U:		MCC:	CLAYTON, Michael	
	history (event, available, version,					
	CEPT GSM doc 03/01/1991			<a href="#">get it</a>	remarks - general:	
	edito 22/07/1998			<a href="#">get it</a>	remarks - this release: .	
	3 . 4 . 0					
	3 . 4 . 1					
<hr/>						
<b>TS 02.04</b>	<b>General on Supplementary Services</b>					
Ph1	current version: 3.7.1	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,					
	- 24/07/1998			<a href="#">get it</a>	remarks - general:	
	CEPT GSM doc 03/01/1991			<a href="#">get it</a>	remarks - this release: .	
	3 . 7 . 0					
	3 . 7 . 1					
<hr/>						
<b>TS 02.06</b>	<b>Types of Mobile Stations (MS)</b>					
Ph1	current version: 3.2.0	WG (prime / other):	S1 / -	rapporteur:	JEAL, David	VODAFONE Group Plc
	freeze_meeting: gsm-25b	G: yes U:		MCC:	CLAYTON, Michael	
	history (event, available, version,					
	31/08/2001			<a href="#">get it</a>	remarks - general:	
	ETSI publication 01/01/1995			<a href="#">get it</a>	remarks - this release: .	
	3 . 1 . 0					
	3 . 2 . 0					
<hr/>						
<b>TS 02.07</b>	<b>Mobile Station (MS) Features</b>					
Ph1	current version: 3.4.1	WG (prime / other):	S1 / -	rapporteur:	JEAL, David	VODAFONE Group Plc
	freeze_meeting: gsm-25b	G: yes U:		MCC:	CLAYTON, Michael	
	history (event, available, version,					
	- 10/05/1994			<a href="#">get it</a>	remarks - general:	
	- 10/05/1994			<a href="#">get it</a>	remarks - this release: .	
	ETSI publication 01/01/1995			<a href="#">get it</a>		
	3 . 3 . 0					
	3 . 4 . 0					
	3 . 4 . 1					
<hr/>						
<b>TS 02.09</b>	<b>Security aspects</b>					
Ph1	current version: 3.1.0	WG (prime / other):	S3 / S1 /	rapporteur:	CHRISTOFFERSSON,	Telia Promotor AB
	freeze_meeting: gsm-25b	G: yes U:	NP	Per	POPE, Maurice	
	history (event, available, version,			MCC:		
	ETSI publication 01/01/1995					
	3 . 1 . 0			<a href="#">get it</a>	remarks - general:	
					remarks - this release:	

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Server ACTIVE specs Ph1 02 .- series  
[http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

<b>TS 02.11</b>	<b>Service Accessibility</b>	Ph1 current version: 3.7.0 freeze_meeting: gsm-25b history (event, available, version, gsm-29 30/08/2001 3 . 5 . 0 smg-01 30/08/2001 3 . 6 . 0 ETSI publication 01/01/1995 3 . 7 . 0	WG (prime / other): S1 / - G: yes U: <a href="#">get it</a> <a href="#">get it</a> <a href="#">get it</a>	rapporteur: EVEN, Anne MCC: CLAYTON, Michael	France Telecom	remarks - general: remarks - this release:
<b>TS 02.16</b>	<b>International Mobile Station Equipment Identities (IMEI)</b>	Ph1 current version: 3.0.1 freeze_meeting: gsm-25b history (event, available, version, ETSI publication 01/01/1995 3 . 0 . 1	WG (prime / other): S1 / - G: yes U: <a href="#">get it</a>	rapporteur: EVEN, Anne MCC: CLAYTON, Michael	France Telecom	remarks - general: remarks - this release: .
<b>TS 02.17</b>	<b>Subscriber Identity Module (SIM); Functional characteristics</b>	Ph1 current version: 3.2.0 freeze_meeting: gsm-25b history (event, available, version, .. 30/08/2001 3 . 1 . 2 ETSI publication 01/01/1995 3 . 2 . 0	WG (prime / other): T3 / S1 G: yes U: <a href="#">get it</a> <a href="#">get it</a>	rapporteur: HOOKER, Philip MCC: DIETZE, Claus	ORANGE PCS LTD	remarks - general: remarks - this release: .
<b>TS 02.20</b>	<b>Collection charges</b>	Ph1 current version: 3.0.1 freeze_meeting: gsm-25b history (event, available, version, 06/05/1992: 09/10/1997 3 . 0 . 1	WG (prime / other): S1 / G: yes U: <a href="#">get it</a>	rapporteur: N, A MCC: CLAYTON, Michael	Indicate persons who left Company and wait for new One	remarks - general: remarks - this release:
<b>TS 02.30</b>	<b>Man-machine Interface (MMI) of the Mobile Station (MS)</b>	Ph1 current version: 3.9.0 freeze_meeting: gsm-25b history (event, available, version, ETSI publication 01/01/1995 3 . 9 . 0	WG (prime / other): S1 / G: yes U: <a href="#">get it</a>	rapporteur: JEAL, David MCC: CLAYTON, Michael	VODAFONE Group Plc	remarks - general: remarks - this release: .

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Server ACTIVE specs Ph1 02 .- series  
[http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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**TS 02.40 Procedures for Call Progress Indications**  
Ph1 *current version:* 3.2.0  
*freeze\_meeting:* gsm-25b  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 2 . 0

*WG (prime / other):* S1 / NP *rapporteur:* DWYER, Paul  
*G: yes U:* *MCC:* CLAYTON, Michael NORTEL NETWORKS (EUROPE)

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

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**TS 02.82 Call Forwarding (CF) Supplementary Services; Stage 1**  
Ph1 *current version:* 3.6.1  
*freeze\_meeting:* gsm-25b  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 6 . 1

*WG (prime / other):* S1 / - *rapporteur:* EVEN, Anne  
*G: yes U:* *MCC:* CLAYTON, Michael France Telecom

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

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**TS 02.88 Call Barring (CB) Supplementary Services; Stage 1**  
Ph1 *current version:* 3.6.1  
*freeze\_meeting:* gsm-25b  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 6 . 1

*WG (prime / other):* S1 / - *rapporteur:* CONRAD, Alan  
*G: yes U:* *MCC:* CLAYTON, Michael T-MOBILE DEUTSCHLAND

[get it](#) *remarks - general:*  
*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 03.01 Network Functions**  
Ph1 *current version:* 3.1.1  
*freeze\_meeting:* gsm-25b  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 1 . 1

*WG (prime / other):* S2 / NP *rapporteur:* GAASVIK, Per-Ola  
*G: yes U:* *MCC:* YOON, Sang Ui COMVIQ GSM AB

[get it](#) *remarks - general:* SMG3->SA2 @ TSG#7  
*remarks - this release:* .

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<b>TS 03.02</b>	<b>Network Architecture</b>					
Ph1	<i>current version:</i> 3.1.4					
	<i>freeze_meeting:</i> gsm-25b					
	<i>history (event, available, version,</i> ETSI publication 01/01/1995 3 . 1 . 4					
		<i>WG (prime / other):</i> S2 / NP / T2	<i>rapporteur:</i> SULTAN, Alain		SOURCE COM	
		<i>G: yes U:</i>	<i>MCC:</i> YOON, Sang-Ui			
			<a href="#">get it</a>	<i>remarks - general:</i>		<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>freeze_meeting:</i> gsm-25b					
	<i>history (event, available, version,</i> ETSI publication 01/01/1995 3 . 6 . 0					
		<i>WG (prime / other):</i> N4 / T2	<i>rapporteur:</i> RUSSELL, Nick		VODAFONE LTD	
		<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
			<a href="#">get it</a>	<i>remarks - general:</i>		<i>remarks - this release:</i>
<hr/>						
<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>freeze_meeting:</i> gsm-25b					
	<i>history (event, available, version,</i> ETSI publication 01/01/1995 3 . 1 . 0					
		<i>WG (prime / other):</i> N4 / SPA N/ T2	<i>rapporteur:</i> KYMALAINEN, Kimmo		TeliaSonera AB	
		<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo			
			<a href="#">get it</a>	<i>remarks - general:</i>		<i>remarks - this release:</i> .
<hr/>						
<b>TR 03.05</b>	<b>Technical performance objectives</b>					
Ph1	<i>current version:</i> 3.2.0					
	<i>freeze_meeting:</i> gsm-25b					
	<i>history (event, available, version,</i> ETSI publication 01/01/1995 3 . 2 . 0					
		<i>WG (prime / other):</i> NP / -	<i>rapporteur:</i> BOSWARTHICK, David		ETSI Secretariat	
		<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David			
			<a href="#">get it</a>	<i>remarks - general:</i>		<i>remarks - this release:</i> .
<hr/>						
<b>TS 03.07</b>	<b>Restoration Procedures</b>					
Ph1	<i>current version:</i> 3.2.1					
	<i>freeze_meeting:</i> gsm-25b					
	<i>history (event, available, version,</i> ETSI publication 01/01/1995 3 . 2 . 1					
		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David		VODAFONE LTD	
		<i>G: yes U:</i>	<i>MCC:</i> Chalmers KYMALAINEN, Kimmo			
			<a href="#">get it</a>	<i>remarks - general:</i>		<i>remarks - this release:</i> .

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<b>TS 03.08</b>	<b>Organization of Subscriber Data</b>	Ph1 current version: 3.7.0 freeze_meeting: gsm-25b history (event, available, version, ETSI publication 01/01/1995 3 . 7 . 0	WG (prime / other): N4 / - G: yes U:	rapporteur: BAUER, Rolf MCC: KYMALAINEN, Kimmo	ALCATEL SEL AG
			<a href="#">get it</a>	remarks - general: remarks - this release: .	
<b>TS 03.09</b>	<b>Handover Procedures</b>	Ph1 current version: 3.2.1 freeze_meeting: gsm-25b history (event, available, version, ETSI publication 01/01/1995 3 . 2 . 1	WG (prime / other): N1 / - G: yes U:	rapporteur: FARHOUMAND, Rouzbeh MCC: JORGENSEN, Per Johan	Ericsson Incorporated
			<a href="#">get it</a>	remarks - general: remarks - this release: .	
<b>TS 03.10</b>	<b>GSM Public Land Mobile Network (PLMN) Connection Types</b>	Ph1 current version: 3.3.0 freeze_meeting: gsm-25b history (event, available, version, gsm4 06/05/2003 2 . 0 . 0 Jan 1988 gsm4 06/05/2003 3 . 0 . 0 Feb 1988 gsm4 06/05/2003 3 . 1 . 0 Jul 1988 gsm4 06/05/2003 3 . 2 . 0 Nov 1988 ETSI publication 01/01/1995 3 . 3 . 0	WG (prime / other): N3 / - G: yes U:	rapporteur: BOSWARTHICK, David MCC: BOSWARTHICK, David	ETSI Secretariat
			<a href="#">get it</a>	remarks - general: remarks - this release: .	
			<a href="#">get it</a>		
			<a href="#">get it</a>		
			<a href="#">get it</a>		
			<a href="#">get it</a>		
<b>TS 03.11</b>	<b>Technical Realization of Supplementary Services - General Aspects</b>	Ph1 current version: 3.1.1 freeze_meeting: gsm-25b history (event, available, version, ETSI publication 01/01/1995 3 . 1 . 1	WG (prime / other): N4 / - G: yes U:	rapporteur: HABERMANN, Steffen MCC: KYMALAINEN, Kimmo	T-MOBILE DEUTSCHLAND
			<a href="#">get it</a>	remarks - general: remarks - this release: .	
<b>TS 03.12</b>	<b>Location Registration Procedures</b>	Ph1 current version: 3.3.0 freeze_meeting: gsm-25b history (event, available, version, ETSI publication 01/01/1995 3 . 3 . 0	WG (prime / other): N4 / - G: yes U:	rapporteur: KYMALAINEN, Kimmo MCC: KYMALAINEN, Kimmo	TeliaSonera AB
			<a href="#">get it</a>	remarks - general: remarks - this release: .	

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**TS 03.13 Discontinuous Reception (DRX) in the GSM System**

Ph1 *current version:* 3.0.2  
*freeze\_meeting:* gsm-25b  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 0 . 2

*WG (prime / other):* G1 / - *rapporteur:* USAI, Paolino  
*G: yes U:* *MCC:* USAI, Paolino

TELECOM ITALIA S.p.A.

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

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**TS 03.14 Support of Dual Tone Multi-Frequency Signalling (DTMF) via the GSM System**

Ph1 *current version:* 3.0.2  
*freeze\_meeting:* gsm-25b  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 0 . 2

*WG (prime / other):* N1 / - *rapporteur:* ZAUS, Robert  
*G: yes U:* *MCC:* JORGENSEN, Per Johan

SIEMENS AG

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

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**TS 03.20 Security-related Network Functions**

Ph1 *current version:* 3.3.2  
*freeze\_meeting:* gsm-25b  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 0 . 0  
ETSI publication 01/01/1995 3 . 3 . 2

*WG (prime / other):* S3 / NP / GP  
*G: yes U:* *rapporteur:* NGUYEN NGOC, Sebastien  
*MCC:* POPE, Maurice

France Telecom

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

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**TS 03.40 Technical realization of the Short Message Service (SMS)**

Ph1 *current version:* 3.7.0  
*freeze\_meeting:* gsm-25b  
*history (event, available, version,*  
gsm4 06/05/2003 2 . 1 . 0 Sep 1988  
gsm4 06/05/2003 2 . 1 . 1 Nov 1988  
gsm4 06/05/2003 3 . 0 . 0 Apr 1989  
gsm4 06/05/2003 3 . 4 . 0 Jan 1990  
gsm4 06/05/2003 3 . 4 . 1 Oct 1990  
gsm4 06/05/2003 3 . 5 . 0 Feb 1992  
smg-08 05/09/1997 3 . 6 . 0  
smg-09 01/01/1995 3 . 7 . 0

*WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian  
*G: yes U:* *MCC:* RODERMUND, Friedhelm

Research In Motion Limited

[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 03.41 Technical Realization of Short Message Service Cell Broadcast (SMSCB)

Ph1 *current version:* 3.4.0 *WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Research In Motion Limited  
*freeze\_meeting:* gsm-25b *G:* yes *U:* *MCC:* RODERMUND, Friedhelm

*history (event, available, version,*  
gsm4 06/05/2003 1 . 1 . 1 Sep 1988 [get it](#) *remarks - general:*  
gsm4 06/05/2003 1 . 2 . 1 Nov 1988 [get it](#) *remarks - this release:* .  
gsm4 06/05/2003 2 . 0 . 0 Jan 1988 - rejected GSM-17b [get it](#)  
gsm4 06/05/2003 3 . 2 . 0 Jan 1990 [get it](#)  
gsm4 06/05/2003 3 . 2 . 1 Oct 1990 [get it](#)  
gsm4 06/05/2003 3 . 3 . 0 Jan 1991 [get it](#)  
ETSI publication 01/01/1995 3 . 4 . 0 [get it](#)

## TR 03.43 Support of Videotex

Ph1 *current version:* 3.0.1 *WG (prime / other):* T2 / - *rapporteur:* DI TRIA, Paolo Telecom Italia Lab S.p.A.  
*freeze\_meeting:* gsm-25b *G:* yes *U:* *MCC:* RODERMUND, Friedhelm

*history (event, available, version,*  
gsm4 06/05/2003 1 . 0 . 1 Jun 1988 [get it](#) *remarks - general:*  
ETSI publication 01/01/1995 3 . 0 . 1 [get it](#) *remarks - this release:* .

## TR 03.44 Support of Teletex in a GSM Public Land Mobile Network (PLMN)

Ph1 *current version:* 3.0.1 *WG (prime / other):* T2 / - *rapporteur:* RODERMUND, Friedhelm Vodafone D2 GmbH  
*freeze\_meeting:* gsm-25b *G:* yes *U:* *MCC:* RODERMUND, Friedhelm

*history (event, available, version,*  
gsm4 06/05/2003 1 . 0 . 0 Sep 1988 [get it](#) *remarks - general:*  
gsm4 06/05/2003 1 . 1 . 0 Nov 1988 [get it](#) *remarks - this release:* .  
gsm4 06/05/2003 2 . 0 . 0 [get it](#)  
ETSI publication 01/01/1995 3 . 0 . 1 [get it](#)

## TS 03.45 Technical Realization of Facsimile Group 3 Service - transparent

Ph1 *current version:* 3.3.0 *WG (prime / other):* N3 / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*freeze\_meeting:* gsm-25b *G:* yes *U:* *MCC:* BOSWARTHICK, David

*history (event, available, version,*  
gsm 06/05/2003 1 . 0 . 0 Sep 1988 [get it](#) *remarks - general:*  
gsm 06/05/2003 2 . 0 . 0 Jan 1989 [get it](#) *remarks - this release:*  
smg-05 3 . 2 . 0  
ETSI publication 01/01/1995 3 . 3 . 0 exists in PDF only [get it](#)

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**TS 03.46 Technical Realization of Facsimile Group 3 Service - non transparent**

Ph1 *current version:* 3.2.1 *WG (prime / other):* N3 / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*freeze\_meeting:* gsm-25b *G: yes U:* *MCC:* BOSWARTHICK, David  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 2 . 1 [get it](#) *remarks - general:*  
*remarks - this release:*

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**TS 03.48 Security mechanisms for SIM application toolkit; Stage 2**

Ph1 *current version:* 3.0.1 *WG (prime / other):* T3 / - *rapporteur:* BARNES, Nigel MOTOROLA Ltd  
*freeze\_meeting:* gsm-25b *G: yes U:* *MCC:* DIETZE, Claus  
*history (event, available, version,*  
09/10/1997 3 . 0 . 1 [get it](#) *remarks - general:* SMG9->T3@#31  
*remarks - this release:* .

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**TS 03.50 Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System**

Ph1 *current version:* 3.4.0 *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,*  
ETSI publication 01/01/1995 3 . 4 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #4: 3.2.2 #8: 3.3.0 #11: 3.4.0

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**TS 03.70 Routing of Calls to/from Public Data Networks (PDN)**

Ph1 *current version:* 3.0.0 *WG (prime / other):* N3 / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*freeze\_meeting:* gsm-25b *G: yes U:* *MCC:* BOSWARTHICK, David  
*history (event, available, version,*  
gsm4 06/05/2003 1 . 0 . 0 Jul 1988 [get it](#) *remarks - general:* N3: "no R99 needed".  
gsm4 06/05/2003 2 . 0 . 0 Sep 1988 [get it](#) *remarks - this release:* .  
ETSI publication 01/01/1995 3 . 0 . 0 [get it](#)

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**TS 03.82 Call Forwarding (CF) Supplementary Services; Stage 2**

Ph1 *current version:* 3.2.1 *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*freeze\_meeting:* gsm-25b *G: yes U:* *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 2 . 1 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 03.88 Call Barring (CB) supplementary services; Stage 2**

Ph1  
current version: 3.2.1  
freeze\_meeting: gsm-25b  
history (event, available, version,  
ETSI publication 01/01/1995 3 . 2 . 1

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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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  
freeze\_meeting: gsm-25b  
history (event, available, version,  
ETSI publication 01/01/1995 3 . 0 . 1

WG (prime / other): N1 / - rapporteur: ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
G: yes U: MCC: JORGENSEN, Per Johan

[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  
freeze\_meeting: gsm-25b  
history (event, available, version,  
ETSI publication 01/01/1995 3 . 0 . 2

WG (prime / other): N1 / - rapporteur: ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
G: yes U: MCC: JORGENSEN, Per Johan

[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  
freeze\_meeting: gsm-25b  
history (event, available, version,  
ETSI publication 01/01/1995 3 . 0 . 3

WG (prime / other): G2 / - rapporteur: ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
G: yes U: MCC: THOMASEN, Gert

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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:	MCC: THOMASEN, Gert		
	<i>history (event, available, version,</i>				
	ETSI publication 01/01/1995	0 . 0 . 0			
		3 . 3 . 4	<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>				
Ph1	<i>current version:</i> 3.1.5	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S	
	<i>freeze_meeting:</i> gsm-25b	G: yes U:	Peter Skov		
	<i>history (event, available, version,</i>		THOMASEN, Gert		
	ETSI publication 01/01/1995	3 . 1 . 5			
			<a href="#">get it</a>	<i>remarks - general:</i>	
				<i>remarks - this release:</i> .	
<hr/>					
<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	MOTOROLA A/S	
	<i>freeze_meeting:</i> gsm-25b	G: yes U:	Peter Skov		
	<i>history (event, available, version,</i>		THOMASEN, Gert		
	ETSI publication 01/01/1995	3 . 9 . 0			
			<a href="#">get it</a>	<i>remarks - general:</i>	
				<i>remarks - this release:</i> .	
<hr/>					
<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:	JORGENSEN, Per Johan		
	<i>history (event, available, version,</i>				
	ETSI publication 01/01/1995	3 . 3 . 3			
			<a href="#">get it</a>	<i>remarks - general:</i>	
				<i>remarks - this release:</i> .	
<hr/>					
<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:	JORGENSEN, Per Johan		
	<i>history (event, available, version,</i>				
	ETSI publication 01/01/1995	3 . 13 . 0			
	ETSI publication 15/09/1997	3 . 14 . 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
			<a href="#">get it</a>	<i>remarks - this release:</i> .	Thomassen (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	current version: 3.2.3 freeze_meeting: gsm-25b	WG (prime / other): N4 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S					
	history (event, available, version, ETSI publication 01/01/1995 3 . 2 . 3	G: yes U:	MCC: KYMALAINEN, Kimmo					<a href="#">get it</a>	remarks - general: remarks - this release: .
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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	current version: 3.3.0 freeze_meeting: gsm-25b	WG (prime / other): N1 / -	rapporteur: NOBUYUKI, Uda JORGENSEN, Per Johan	NTT COMWARE Corporation					
	history (event, available, version, ETSI publication 01/01/1995 3 . 3 . 0	G: yes U:	MCC: JORGENSEN, Per Johan					<a href="#">get it</a>	remarks - general: remarks - this release: #5:3.3.0
<hr/>									
<b>TS 04.12</b>	<b>Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface</b>								
Ph1	current version: 3.2.1 freeze_meeting: gsm-25b	WG (prime / other): G2 / T2	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S					
	history (event, available, version, ETSI publication 01/01/1995 3 . 2 . 1	G: yes U:	MCC: THOMASEN, Gert					<a href="#">get it</a>	remarks - general: remarks - this release: .
<hr/>									
<b>TS 04.21</b>	<b>Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface</b>								
Ph1	current version: 3.4.0 freeze_meeting: gsm-25b	WG (prime / other): N3 / -	rapporteur: RÄSÄNEN, Juha BOSWARTHICK, David	NOKIA Corporation					
	history (event, available, version, gsm4 06/05/2003 2 . 0 . 0 Feb 1988 gsm4 06/05/2003 3 . 0 . 0 Feb 1988 gsm4 06/05/2003 3 . 1 . 0 Jun 1988 ETSI publication 01/01/1995 3 . 4 . 0	G: yes U:	MCC: BOSWARTHICK, David					<a href="#">get it</a> <a href="#">get it</a> <a href="#">get it</a> <a href="#">get it</a>	remarks - general: remarks - this release: .
<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>								
Ph1	current version: <b>Switching Centre (BSS - MSC) interface</b> SIEMENS AG	3.7.0	WG (prime / other): N3	/- rapporteur: KLEHN, Norbert					
	freeze_meeting: gsm-25b history (event, available, version, ETSI publication 01/01/1995 3 . 7 . 0	G: yes U:	MCC: BOSWARTHICK, David					<a href="#">get it</a>	remarks - general: remarks - this release: .

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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,*  
ETSI publication 01/01/1995 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,*  
ETSI publication 01/01/1995 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,*  
ETSI publication 01/01/1995 3 . 1 . 3 [get it](#) *remarks - general:*  
*remarks - this release:* .

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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,*  
ETSI publication 01/01/1995 3 . 3 . 2 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 05.02 Multiplexing and Multiple Access on the Radio Path**

Ph1 *current version:* 3.8.0  
*freeze\_meeting:* gsm-25b  
*history (event, available, version,*  
smg-15 3 . 7 . 0  
smg-16 01/01/1995 3 . 8 . 0

*WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist  
*G: yes U:* MCC: USAI, Paolino

NOKIA Corporation

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*remarks - this release:*

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**TS 05.03 Channel coding**

Ph1 *current version:* 3.6.1  
*freeze\_meeting:* gsm-25b  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 6 . 1

*WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist  
*G: yes U:* MCC: USAI, Paolino

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*remarks - this release:* #12: 3.6.1

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**TS 05.04 Modulation**

Ph1 *current version:* 3.1.2  
*freeze\_meeting:* gsm-25b  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 1 . 2

*WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist  
*G: yes U:* MCC: USAI, Paolino

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*remarks - this release:* .

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**TS 05.05 Radio Transmission and Reception**

Ph1 *current version:* 3.16.0  
*freeze\_meeting:* gsm-25b  
*history (event, available, version,*  
smg-04 3 . 14 . 0  
smg-06b 3 . 15 . 0  
ETSI publication 01/01/1995 3 . 16 . 0

*WG (prime / other):* G1 / - *rapporteur:* SAMUELSSON, Mats  
*G: yes U:* MCC: USAI, Paolino

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*remarks - this release:*

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**TS 05.08 Radio Subsystem Link Control**

Ph1 *current version:* 3.8.0  
*freeze\_meeting:* gsm-25b  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 8 . 0

*WG (prime / other):* G1 / - *rapporteur:* EL-SAIGH, Amer  
*G: yes U:* MCC: USAI, Paolino

VODAFONE Group Plc

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**TS 05.10 Radio subsystem synchronization**  
Ph1 *current version:* 3.5.1  
*freeze\_meeting:* gsm-25b  
*history (event, available, version,*  
smg-04 01/01/1995 3 . 5 . 1

*WG (prime / other):* G1 / - *rapporteur:* JOKINEN, Harri  
*G: yes U:* *MCC:* USAI, Paolino

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*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  
*freeze\_meeting:* gsm-25b  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 0 . 0

*WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino  
*G: yes U:* *MCC:* USAI, Paolino

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*remarks - this release:* .

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**TS 06.10 Full Rate Speech Transcoding**  
Ph1 *current version:* 3.2.0  
*freeze\_meeting:* gsm-25b  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 2 . 0

*WG (prime / other):* S4 / - *rapporteur:* LORENZ, Dietmar  
*G: yes U:* *MCC:* USAI, Paolino

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*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  
*freeze\_meeting:* gsm-25b  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 0 . 1

*WG (prime / other):* S4 / - *rapporteur:* NAVARRO, William  
*G: yes U:* *MCC:* USAI, Paolino

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**TS 06.12 Comfort Noise Aspects for Full Rate Speech Traffic Channels**

Ph1 *current version:* 3.0.1  
*freeze\_meeting:* gsm-25b  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 0 . 1

*WG (prime / other):* S4 / - *rapporteur:* SERENO, Daniele  
*G: yes U:* *MCC:* USAI, Paolino

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*remarks - this release:* .

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**TS 06.31 Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels**

Ph1 *current version:* 3.1.0  
*freeze\_meeting:* gsm-25b  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 1 . 0

*WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino  
*G: yes U:* *MCC:* USAI, Paolino

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*remarks - this release:* .

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**TS 06.32 Voice Activity Detection (VAD)**

Ph1 *current version:* 3.0.0  
*freeze\_meeting:* gsm-25b  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 0 . 0

*WG (prime / other):* S4 / - *rapporteur:* BARRETT, Paul  
*G: yes U:* *MCC:* USAI, Paolino

Indicate persons who left Company and wait for new One

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*remarks - this release:* .

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Ph1

07 .- series

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**TS 07.01 General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)**

Ph1 *current version:* 3.14.0  
*freeze\_meeting:* gsm-25b  
*history (event, available, version,*  
gsm-20 3 . 2 . 0  
ETSI publication 01/01/1995 3 . 14 . 0

*WG (prime / other):* N3 / - *rapporteur:* HUSLENDE, Ragnar  
*G: yes U:* *MCC:* BOSWARTHICK, David

Telefon AB LM Ericsson

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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,*  
ETSI publication 01/01/1995 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,*  
ETSI publication 01/01/1995 3 . 4 . 0

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*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 MOTOROLA A/S  
*freeze\_meeting:* gsm-25b *G:* yes *U:* *MCC:* Peter Skov THOMASEN, Gert  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 0 . 1

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*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 MOTOROLA A/S  
*freeze\_meeting:* gsm-25b *G:* yes *U:* *MCC:* Peter Skov THOMASEN, Gert  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 3 . 1

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**TS 08.04 Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification**  
Ph1 *current version:* 3.0.3 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* gsm-25b G: yes U: *MCC:* THOMASEN, Gert  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 0 . 3 [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**  
Ph1 *current version:* 3.5.2 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* gsm-25b G: yes U: *MCC:* THOMASEN, Gert  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 5 . 2 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 08.08 Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification**  
Ph1 *current version:* 3.10.1 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* gsm-25b G: yes U: *MCC:* THOMASEN, Gert  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 0 . 0 [get it](#) *remarks - general:*  
ETSI publication 01/01/1995 3 . 10 . 1 [get it](#) *remarks - this release:* .

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**TS 08.20 Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface**  
Ph1 *current version:* 3.1.2 *WG (prime / other):* N3 / - *rapporteur:* RÄSÄNEN, Juha NOKIA Corporation  
*freeze\_meeting:* gsm-25b G: yes U: *MCC:* BOSWARTHICK, David  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 1 . 2 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 08.51 Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects**  
Ph1 *current version:* 3.0.2 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* gsm-25b G: yes U: *MCC:* THOMASEN, Gert  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 0 . 2 [get it](#) *remarks - general:*  
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<b>TS 08.52</b>	<b>Base Station Controller - Base Transceiver Station (BSC-BTS) Interface - Interface Principles</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 Skov	MOTOROLA A/S	
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version,</i> ETSI publication 01/01/1995 3 . 0 . 2	<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>				
Ph1	<i>current version:</i> 3.0.1 <i>freeze_meeting:</i> gsm-25b	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version,</i> ETSI publication 01/01/1995 3 . 0 . 1	<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>				
Ph1	<i>current version:</i> 3.1.1 <i>freeze_meeting:</i> gsm-25b	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version,</i> ETSI publication 01/01/1995 3 . 1 . 1	<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 (BSC-BTS) Interface Layer 3 Specification</b>				
Ph1	<i>current version:</i> 3.6.0 <i>freeze_meeting:</i> gsm-25b	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version,</i> ETSI publication 01/01/1995 3 . 0 . 0 smg-10 01/01/1995 3 . 6 . 0	<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #10: 3.6.0		
<hr/>					
<b>TS 08.59</b>	<b>BSC-BTS O&amp;M Signalling Transport</b>				
Ph1	<i>current version:</i> 3.1.0 <i>freeze_meeting:</i> gsm-25b	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> VACANT, USAI, Paolino		
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i>		
	<i>history (event, available, version,</i> ETSI publication 01/01/1995 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .		

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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 MOTOROLA A/S  
*freeze\_meeting:* gsm-25b *G:* yes *U:* *MCC:* USAI, Paolino  
*history (event, available, version,*  
ETSI publication 01/01/1995 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,*  
ETSI publication 01/01/1995 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,*  
ETSI publication 01/01/1995 3 . 0 . 0 [get it](#) *remarks - general:* CN->N4 Apr00 (JMM)  
ETSI publication 11/02/1991 3 . 8 . 0 [get it](#) *remarks - this release:*  
smg-10 14/06/1994 3 . 9 . 0 [get it](#)  
14/10/1994 3 . 10 . 0 [get it](#)  
ETSI publication 01/01/1995 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  
*freeze\_meeting:* gsm-25b *G:* yes *U:* *MCC:* BOSWARTHICK, David  
*history (event, available, version,*  
ETSI publication 01/01/1995 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		<i>G: yes U:</i>		<i>MCC:</i> BOSWARTHICK, David				
	<i>history (event, available, version,</i>								
	ETSI publication 01/01/1995 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		<i>G: yes U:</i>		<i>MCC:</i> BOSWARTHICK, David				
	<i>history (event, available, version,</i>								
	ETSI publication 01/01/1995 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>	3.10.0		<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> KLEHN, Norbert				
Ph1	<i>current version:</i> <b>Network (PSTN)</b>								
	SIEMENS AG								
	<i>freeze_meeting:</i> gsm-25b		<i>G: yes U:</i>		<i>MCC:</i> BOSWARTHICK, David				
	<i>history (event, available, version,</i>								
	ETSI publication 01/01/1995 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>	3.0.2		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo				
Ph1	<i>current version:</i> <b>Procedures and the Mobile Application Part (MAP)</b>								
	TeliaSonera AB								
	<i>freeze_meeting:</i> gsm-25b		<i>G: yes U:</i>		<i>MCC:</i> KYMALAINEN, Kimmo				
	<i>history (event, available, version,</i>								
	ETSI publication 01/01/1995 3 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>				
	ETSI publication 01/01/1995 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		<i>G: yes U:</i>		<i>MCC:</i> KYMALAINEN, Kimmo				
	<i>history (event, available, version,</i>								
	ETSI publication 01/01/1995 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 access; U = required in systems with UMTS

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Server ACTIVE specs Ph1 11 .- series  
[http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

Ph1 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 Mobile Station Conformity Specification

Ph1  
current version: 3.23.1  
freeze\_meeting: gsm-25b

WG (prime / other): G3ne / S1 / rapporteur: LEGRAND, Walter EADS TELECOM  
G3ne  
w /  
NP /  
T2 /  
SCP

G: yes U: MCC: CLAYTON, Michael

history (event, available, version,

First complete	01/01/1992	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 ?	01/01/1996	3	.	14	.	0
smg-08	07/06/1996	3	.	15	.	0
smg-09	07/06/1996	3	.	16	.	0
smg-10	02/09/1996	3	.	17	.	0
smg-11	02/09/1996	3	.	18	.	0
smg-12	02/09/1996	3	.	19	.	0
smg-13	28/06/1996	3	.	20	.	0
smg-15		3	.	21	.	0
smg-16	01/01/1996	3	.	22	.	0
smg-20	16/10/1996	3	.	23	.	0
ETSI publication	30/12/1996	3	.	23	.	1

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

[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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

# 3GPP specification status

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Server ACTIVE specs Ph1 11 .- series  
[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> DIETZE, Claus		
	<i>history (event, available, version,</i>				
	ETSI publication 01/01/1995 3 . 3 . 3		<a href="#">get it</a>	<i>remarks - general:</i>	
	ETSI publication 01/01/1995 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,</i>				
	ETSI publication 01/01/1995 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,</i>				
	ETSI publication 01/01/1995 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,</i>				
	ETSI publication 01/01/1995 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> G3ne / -	<i>rapporteur:</i>		
	<i>freeze_meeting:</i> gsm-25b	G: yes U:	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	ETSI publication 01/01/1996 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 01/01/1996 3 . 7 . 0		<a href="#">get it</a>		

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

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Server ACTIVE specs Ph1 12 .- series  
[http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

Ph1 12 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

## TS 12.10 Maintenance Provisions for Operational Integrity of MSs

Ph1  
current version: none  
freeze\_meeting: gsm-25b  
history (event, available, version,

WG (prime / other): S5 / rapporteur: TRUSS, Michael  
G: U: yes MCC: ZOICAS, Adrian

MOTOROLA Ltd

remarks - general:  
remarks - this release: .

## TS 12.13 Maintenance of the Mobile -services Switching Centre

Ph1  
current version: none  
freeze\_meeting: gsm-25b  
history (event, available, version,

WG (prime / other): S5 / rapporteur: TRUSS, Michael  
G: yes U: MCC: ZOICAS, Adrian

MOTOROLA Ltd

remarks - general:  
remarks - this release: .

## TS 12.14 Maintenance of Location Registers

Ph1  
current version: none  
freeze\_meeting: gsm-25b  
history (event, available, version,

WG (prime / other): S5 / rapporteur: TRUSS, Michael  
G: yes U: MCC: ZOICAS, Adrian

MOTOROLA Ltd

remarks - general:  
remarks - this release: .

Ph1 TB .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/TB\\_series](http://www.3gpp.org/ftp/Specs/archive/TB_series)

## TS TBR 5 General Attachment Requirements for GSM Mobile Stations

Ph1  
current version: none  
freeze\_meeting: gsm-25b  
history (event, available, version,

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)

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



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Server ACTIVE specs Ph1 TB .- series  
[http://www.3gpp.org/ftp/Specs/archive/TB\\_series](http://www.3gpp.org/ftp/Specs/archive/TB_series)

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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,

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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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  
freeze\_meeting:  
history (event, available, version,

WG (prime / other): S1 / rapporteur: N, A  
G: U: yes MCC: CLAYTON, Michael

Indicate persons who left Company and wait for new One

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  
freeze\_meeting:  
history (event, available, version,

WG (prime / other): S2 / rapporteur: N, A  
G: U: yes MCC: YOON, Sang-Ui

Indicate persons who left Company and wait for new One

remarks - general:  
remarks - this release:

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

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

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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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<b>TS 32.103</b>	<b>(pending)</b>				
	<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>	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i>	ZOICAS, Adrian
<i>history (event, available, version,</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

## WITHDRA 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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**TS 22.234** (reserved for future WLAN I/w stage 1)  
<?> current version: none  
freeze\_meeting:  
history (event, available, version,

WG (prime / other): S2 / - rapporteur: N, A Indicate persons who left Company and wait for new One  
G: U: yes MCC: YOON, Sang-Ui  
remarks - general: Withdrawn: see conclusions (clause 7,3) of 22.934.  
remarks - this release: .

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<?> 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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**TR 34.801** (reserved for T1 RF group)  
<?> current version: none  
freeze\_meeting:  
history (event, available, version,

WG (prime / other): T1 / rapporteur: N, A Indicate persons who left Company and wait for new One  
G: U: yes MCC: SULTAN, Alain  
remarks - general: 2002-09-16: -> 34.901.  
remarks - this release: .

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

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## TS 21.104 Technical Specifications and Technical Reports for a UTRAN-based 3GPP system (Rel-6)

Rel-6 *current version: none*  
*freeze\_meeting: SP-16*  
*history (event, available, version,*

*WG (prime / other): SP / -*  
*G: U: yes*

*rapporteur: MEREDITH, John M* ETSI Secretariat  
*MCC: POPE, Maurice*

*remarks - general: 2003-05: Title changed from "3rd Generation mobile system Release 6*  
*remarks - this release: SP-20: Superseded by 21.101 Rel-4. specifications". 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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## TR 22.976 Study on PS domain services and capabilities

Rel-6 *current version: none*  
*freeze\_meeting:*  
*history (event, available, version,*  
SP-08 28/06/2000 2 . 0 . 0 SP-19: txverred from Rel-5

*WG (prime / other): S1 / -*  
*G: U: yes*

*rapporteur: CATALDO, Mark* Openwave Systems (N.I.) Ltd  
*MCC: CLAYTON, Michael*

[get it](#) *remarks - general: 2003-04-07 Clayton: scrapped.*  
*remarks - this release: 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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## TS 23.195 Provision of User Equipment Specific Behaviour Information (UESBI) to network entities

Rel-6 *current version: none*  
*freeze\_meeting:*  
*history (event, available, version,*

*WG (prime / other): S2 /*  
*G: yes U: yes*

*rapporteur: PUDNEY, Chris* VODAFONE Group Plc  
*MCC: YOON, Sang-Ui*

*remarks - general: Created as a result of 23.895.*  
*remarks - this release: SP-20: is in fact a Rel-5 doc.*

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

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

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**TS 23.340 (reserved for: "IP Multimedia Subsystem (IMS) messaging; Stage 2")**  
Rel-6 *current version: none* *freeze\_meeting:* WG (prime / other): S2 / rapporteur: N, A Indicate persons who left Company and wait for new One  
G: U: yes MCC: YOON, Sang-Ui  
*history (event, available, version,*  
*remarks - general:*  
*remarks - this release: .*

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**TR 23.876 Push architecture**  
Rel-6 *current version: none* *freeze\_meeting:* WG (prime / other): S2 / - rapporteur: YOON, Sang-Ui KT Freetel Co., Ltd.  
G: U: yes MCC: YOON, Sang-Ui  
*history (event, available, version,*  
S2-29 0 . 0 . 0 *remarks - general:* 2003-02-04: -> 23.976  
S2-29 03/02/2003 0 . 0 . 1 2003-02-04: -> 23.976 [get it](#) *remarks - this release:* 2003-02-04: -> 23.976

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**TR 23.964 Commonality and interoperability between IP Multimedia System (IMS) core networks**  
Rel-6 *current version: none* *freeze\_meeting:* WG (prime / other): S2 / - rapporteur: BERTENYI, Balazs NOKIA Corporation  
G: U: yes MCC: YOON, Sang-Ui  
*history (event, available, version,*  
S2-29 03/02/2003 0 . 3 . 1 Renumbered to 23.864 [get it](#) *remarks - general:* 2003-02-03: Renumbered to 23.864.  
*remarks - this release:* 2003-02-03: Renumbered to 23.864.

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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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**TS 27.150 (Reserved for: "Telecommunication management; User Equipment Management (UEM); UEM protocol specification; Stage 3")**  
Rel-6 *current version: none* *freeze\_meeting:* WG (prime / other): T2 / - rapporteur: MUDGE, John VODAFONE Group Plc  
G: U: yes MCC: RODERMUND, Friedhelm  
*history (event, available, version,*  
*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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G = required in systems with GERAN acces; U = required in systems with UMTS

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Server WITHDRAWN specs Rel-6 32 .- series  
[http://www.3gpp.org/ftp/Specs/archive/32\\_series](http://www.3gpp.org/ftp/Specs/archive/32_series)

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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)

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**TS 32.108 Telecommunication management; Subscriber and equipment trace**

Rel-6 *current version: none*  
*freeze\_meeting:*  
*history (event, available, version,*

*WG (prime / other):* S5 / NP *rapporteur:* RONKA, Kari NOKIA Corporation  
*G:* U: yes *MCC:* ZOICAS, Adrian

*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 published. Replace with 32.411, 32..42x  
and 52.008.

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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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**TR 33.910 3G Security; Network Domain Security / Authentication Framework (NDS/AF); Feasibility Study to support NDS/IP evolution**

Rel-6 *current version: none*  
*freeze\_meeting:*

*WG (prime / other):* S3 / *rapporteur:* N, A  
*G:* U: yes *MCC:* POPE, Maurice

Indicate persons who left Company and wait for new One

*remarks - general:* WI = NDS Authentication Framework (approved SP-16). 2002-07-22: decided not  
*remarks - this release:* . to publish, so -> 33.810.

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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 41.104 Technical Specifications and Technical Reports for a GERAN-based 3GPP system (Rel-6)**

Rel-6 *current version: none*  
*freeze\_meeting:* SP-16  
*history (event, available, version,*

*WG (prime / other):* SP / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
*G:* yes U: *MCC:* POPE, Maurice

*remarks - general:* post-SP-19: title changed to align with 01.01 SP-20: Superseded by 41.101 Rel-6.  
*remarks - this release:* 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

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Server WITHDRAWN specs Rel-6 41 .- series  
[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*  
*freeze\_meeting: SP-11*  
*history (event, available, version,*

*WG (prime / other):* G1 / *rapporteur:* GROSS, Robert  
*G: yes U:* *MCC:* USAI, Paolino

TruePosition Inc.

*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*  
*freeze\_meeting:*  
*history (event, available, version,*

*WG (prime / other):* T3 / - *rapporteur:* DIETRICH, Christian  
*G: yes U:* *MCC:* DIETZE, Claus

SchlumbergerSema - Schlumberger Systèmes S.A

*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

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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*  
*freeze\_meeting:*  
*history (event, available, version,*

*WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist  
*G: yes U:* *MCC:* USAI, Paolino

NOKIA Corporation

*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)

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

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

## TR 49.994 Recommended infrastructure measures to overcome specific Mobile Station (MS) faults

Rel-6  
current version: none  
freeze\_meeting:

WG (prime / other): N1 / - rapporteur: ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
G: yes U: MCC: JORGENSEN, Per Johan

history (event, available, version,

remarks - general: 2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to  
remarks - this release: . latest Release version. 2002-05-07 (Hietalahti): Scrapped in favour of 29.994  
handling both "GSM" and "UMTS" problems.

## 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)

## TS 21.103 3rd Generation mobile system Release 5 specifications

Rel-5  
current version: none  
freeze\_meeting: SP-16

WG (prime / other): SP / - rapporteur: MEREDITH, John M ETSI Secretariat  
G: U: yes MCC: POPE, Maurice

history (event, available, version,

SP-12		0	.	0	.	0	SP-010275	
SP-12	05/07/2001	0	.	1	.	0	SP-010381	<a href="#">get it</a>
SP-13	01/10/2001	1	.	0	.	0	SP-010418	<a href="#">get it</a>
SP-15	19/03/2002	1	.	1	.	0	SP-020095	<a href="#">get it</a>
SP-15	19/03/2002	1	.	2	.	0	SP-020202	<a href="#">get it</a>
SP-16		2	.	0	.	0		
SP-16		2	.	1	.	0	SP-020274	
SP-16		2	.	2	.	0	SP-020401	
SP-16	19/06/2002	5	.	0	.	0	SP-020411	<a href="#">get it</a>
SP-17	18/09/2002	5	.	1	.	0		<a href="#">get it</a>
SP-18	03/01/2003	5	.	2	.	0		<a href="#">get it</a>
SP-19	27/03/2003	5	.	3	.	0		<a href="#">get it</a>
SP-20	25/06/2003	5	.	4	.	0	withdrawn -> 21.101	<a href="#">get it</a>

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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Server WITHDRAWN specs Rel-5 21 .- series  
[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,*  
draft 15/04/2002 0 . 2 . 0 [get it](#) *remarks - general:*  
draft 14/08/2002 0 . 4 . 0 [get it](#) *remarks - this release:* SP-20: -> Rel-6.  
draft 17/09/2002 0 . 5 . 0 [get it](#)  
draft 16/12/2002 0 . 6 . 0 [get it](#)  
draft 24/02/2003 0 . 7 . 0 -> Rel-6 [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 22.141 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,*  
SP-12 27/06/2001 1 . 0 . 0 SP-010364 (replaces SP-010265) [get it](#) *remarks - general:*  
SP-13 01/10/2001 2 . 0 . 0 SP-010444 [get it](#) *remarks - this release:* SP-16: moved to Rel-6  
SP-13 05/10/2001 5 . 0 . 0 [get it](#)  
SP-14 10/01/2002 5 . 1 . 0 [get it](#)  
SP-15 28/03/2002 5 . 2 . 0 TP-16: moved to Rel-6 [get it](#)

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**TS 22.146 Multimedia Broadcast/Multicast Service (MBMS); Stage 1**  
Rel-5 *current version: none* WG (prime / other): S1 / *rapporteur:* JARVIS, Andre 3  
*freeze\_meeting:* SP-15 G: U: yes *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
SP-13 01/10/2001 2 . 0 . 0 SP-010443 [get it](#) *remarks - general:* Replaces 22.946. Note that stage 2 is 23.246.  
SP-13 05/10/2001 5 . 0 . 0 [get it](#) *remarks - this release:* SP-15: To be a Rel-6 service, not Rel-5. SP-16 formally withdrw Rel-5.  
SP-14 10/01/2002 5 . 1 . 0 [get it](#)  
SP-15 28/03/2002 5 . 2 . 0 SP-16: withdrawn. [get it](#)

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Server WITHDRAWN specs Rel-5 22 .- series  
[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	<i>current version:</i> none <i>freeze_meeting:</i> SP-15 <i>history (event, available, version,</i>	WG (prime / other): S1 / G: yes U: yes	rapporteur: WOLAK, Stephen MCC: CLAYTON, Michael	VODAFONE Group Plc	<i>remarks - general:</i> <i>remarks - this release:</i> 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	<i>current version:</i> none <i>freeze_meeting:</i> SP-15 <i>history (event, available, version,</i> draft 0 . 5 . 0 S1-020186	WG (prime / other): S1 / G: U: yes	rapporteur: AMERY, Paul MCC: CLAYTON, Michael	ORANGE PCS LTD	<i>remarks - general:</i> Cf work item 'Generic user profile' <i>remarks - this release:</i> SP-15: Delayed to Rel-6
<b>TS 22.243</b>	<b>Speech recognition framework for automated voice services; Stage 1</b>	Rel-5	<i>current version:</i> none <i>freeze_meeting:</i> SP-15 <i>history (event, available, version,</i> S1 draft 0 . 0 . 2 SP-14 02/01/2002 1 . 0 . 0 SP-010680	WG (prime / other): S1 / G: yes U: yes	rapporteur: WILLIAMS, David Hugh MCC: CLAYTON, Michael	QUALCOMM EUROPE S.A.R.L.	<i>remarks - general:</i> <i>remarks - this release:</i> SP-15: Delayed to Rel-6. <a href="#">get it</a>
<b>TR 22.928</b>	<b>IP-based multimedia services examples</b>	Rel-5	<i>current version:</i> none <i>freeze_meeting:</i> SP-15 <i>history (event, available, version,</i>	WG (prime / other): S1 / G: U: yes	rapporteur: CATALDO, Mark MCC: CLAYTON, Michael	Openwave Systems (N.I.) Ltd	<i>remarks - general:</i> 2003-04-07 Clayton: scrapped. <i>remarks - this release:</i> 2003-04-07 Clayton: scrapped.
<b>TR 22.941</b>	<b>IP based multimedia framework; Stage 0</b>	Rel-5	<i>current version:</i> none <i>freeze_meeting:</i> SP-15 <i>history (event, available, version,</i> draft 05/07/2001 0 . 1 . 0 SP-12 05/07/2001 0 . 2 . 4 S1-010359, SP-010359 - not seen by SA1. draft 15/10/2001 0 . 4 . 1 SP-14 02/01/2002 0 . 7 . 0 NP-010701 (!)	WG (prime / other): S1 / G: U: yes	rapporteur: WOHLERT, Randolph MCC: CLAYTON, Michael	SBC Communications Inc.	<i>remarks - general:</i> 2003-04-07 Clayton: scrapped. <i>remarks - this release:</i> TP-16: likely to drop out of Rel-5 if no progress soon. SP-18: annex C presented at "evolution" workshop (EV-020021). 2003-04-07 Clayton: scrapped. <a href="#">get it</a> <a href="#">get it</a> <a href="#">get it</a>

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

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[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,*  
SP-12 27/06/2001 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,*  
SP-08 28/06/2000 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,*

*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,*  
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

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[http://www.3gpp.org/ftp/Specs/archive/23\\_series](http://www.3gpp.org/ftp/Specs/archive/23_series)

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**TS 23.174 Push service; stage 2**

Rel-5 *current version:* none  
*freeze\_meeting:*  
*history (event, available, version,*

*WG (prime / other):* S2 / *rapporteur:* WOLAK, Stephen VODAFONE Group Plc  
*G:* *U:* yes *MCC:* YOON, Sang-Ui

*remarks - general:* Rapporteur: "note that there are currently no plans for a Push stage 2 but it is  
*remarks - this release:* SP-17: Rel-5 -> Rel-6 to accord with stage 1. good to reserve the number just in

case ...".

---

**TS 23.178 Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2**

Rel-5 *current version:* none  
*freeze\_meeting:* NP-15  
*history (event, available, version,*

*WG (prime / other):* N2 / - *rapporteur:* HOMANN, Christian ALCATEL SEL AG  
*G:* yes *U:* yes *MCC:* JURISIC, Andrijana

*remarks - general:* 2001-10-26: renumbered to 23.278.  
*remarks - this release:* 2001-10-26: renumbered to 23.278.

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

Rel-5 *current version:* none  
*freeze\_meeting:* SP-15  
*history (event, available, version,*

*WG (prime / other):* S2 / *rapporteur:* UZQUIANO, Nacho TELEFONICA DE ESPAÑA SA  
*G:* *U:* yes *MCC:* YOON, Sang-Ui

*remarks - general:* Cf work item 'Generic user profile"  
*remarks - this release:* -> Rel-6

draft 0 . 2 . 0  
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 24/03/2003 0 . 12 . 0

[get it](#)

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Server WITHDRAWN specs Rel-5 23 .- series  
[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</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,</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 (Stage 2)</b>								
Rel-5	<i>current version:</i> none		<i>WG (prime / other):</i> S2 /		<i>rapporteur:</i> JARVIS, Andre			3	
	<i>freeze_meeting:</i> SP-15		G:	U: yes	<i>MCC:</i> YOON, Sang-Ui				
	<i>history (event, available, version,</i>								
							<i>remarks - general:</i>	Note that stage 1 is 22.146. Meanwhile, stage 2 scenarios are worked on in	
							<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> MAANSAARI, Kirsi			NOKIA KOREA	
	<i>freeze_meeting:</i> SP-15		G:	U: yes	<i>MCC:</i> YOON, Sang-Ui				
	<i>history (event, available, version,</i>								
	draft 21/01/2002	0 . 3 . 0					<i>remarks - general:</i>		
	draft	0 . 5 . 0					<i>remarks - this release:</i>	-> Rel-6	
	SP-15 19/03/2002	1 . 0 . 0							
	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			3	
	<i>freeze_meeting:</i> SP-15		G:	U: yes	<i>MCC:</i> YOON, Sang-Ui				
	<i>history (event, available, version,</i>								
	draft 03/01/2002	0 . 0 . 1					<i>remarks - general:</i>	This is a preparatory report which may result in the creation of a stage 2 TS	
	S2-22 22/01/2002	0 . 1 . 0					<i>remarks - this release:</i>	SP-15: To be a Rel-6 service, not Rel-5.	
	draft 19/03/2002	0 . 2 . 0							
<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,</i>								
	NP-16	5 . 0 . 0					<i>remarks - general:</i>		
							<i>remarks - this release:</i>	2002-06-21: Kymalainen: no need to upgrade to Rel-5.	
<hr/>									

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[http://www.3gpp.org/ftp/Specs/archive/23\\_series](http://www.3gpp.org/ftp/Specs/archive/23_series)

<b>TR 23.909</b> Rel-5	<b>Technical report on the Gateway Location Register</b> <i>current version:</i> none <i>freeze_meeting:</i> NP-15	<i>WG (prime / other):</i> N4 / - <i>G:</i> yes <i>U:</i> yes	<i>rapporteur:</i> PARK, Ian David <i>MCC:</i> KYMALAINEN, Kimmo	VODAFONE LTD
<i>history (event, available, version, NP-16)</i>	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.	
<b>TR 23.911</b> Rel-5	<b>Technical report on Out-of-band transcoder control</b> <i>current version:</i> none <i>freeze_meeting:</i> NP-15	<i>WG (prime / other):</i> N4 / - <i>G:</i> yes <i>U:</i> yes	<i>rapporteur:</i> KYMALAINEN, Kimmo <i>MCC:</i> KYMALAINEN, Kimmo	TeliaSonera AB
<i>history (event, available, version, NP-16)</i>	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.	
<b>TR 23.912</b> Rel-5	<b>Technical report on Super-Charger</b> <i>current version:</i> none <i>freeze_meeting:</i> NP-15	<i>WG (prime / other):</i> N4 / - <i>G:</i> yes <i>U:</i> yes	<i>rapporteur:</i> SHARP, Iain <i>MCC:</i> KYMALAINEN, Kimmo	NORTEL NETWORKS (EUROPE)
<i>history (event, available, version, NP-16)</i>	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.	
<b>TR 23.915</b> Rel-5	<b>Charging implications of IMS architecture</b> <i>current version:</i> none <i>freeze_meeting:</i> SP-15	<i>WG (prime / other):</i> S2 / <i>G:</i> yes <i>U:</i> yes	<i>rapporteur:</i> MILINSKI, Alexander <i>MCC:</i> YOON, Sang-Ui	SIEMENS AG
<i>history (event, available, version, NP-16)</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> .	
<b>TR 23.955</b> Rel-5	<b>Virtual Home Environment (VHE) concepts</b> <i>current version:</i> none <i>freeze_meeting:</i> SP-16	<i>WG (prime / other):</i> S2 / - <i>G:</i> <i>U:</i> yes	<i>rapporteur:</i> SULTAN, Alain <i>MCC:</i> YOON, Sang-Ui	SOURCE COM
<i>history (event, available, version, NP-16)</i>	draft 08/01/2001 0 . 0 . 0 draft 24/01/2001 0 . 1 . 0	<a href="#">get it</a> <a href="#">get it</a>	<i>remarks - general:</i> SP-20: stopped <i>remarks - this release:</i> SP-20: stopped	

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[http://www.3gpp.org/ftp/Specs/archive/23\\_series](http://www.3gpp.org/ftp/Specs/archive/23_series)

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**TR 23.974 Support of push service**  
Rel-5 *current version:* none  
*freeze\_meeting:* SP-15  
*history (event, available, version,*  
SP-13 01/10/2001 2 . 0 . 0 SP-010508 - approved as 23.875 [get it](#)

*WG (prime / other):* S2 / *rapporteur:* UDA, Nobuyuki NTT COMWARE Corporation  
*G:* *U:* yes *MCC:* YOON, Sang-Ui

*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) requirements; Stage 3; Access; Common objects**  
Rel-5 *current version:* none  
*freeze\_meeting:* TP-16  
*history (event, available, version,*

*WG (prime / other):* T2 / *rapporteur:* HOLOUBEK, Kevin J. Motorola Inc.  
*G:* *U:* yes *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,*  
RP-12 19/06/2001 1 . 0 . 0 RP-010345  
RP-13 01/10/2001 2 . 0 . 0 RP-010562  
RP-13 02/10/2001 5 . 0 . 0

*WG (prime / other):* R2 / *rapporteur:* KUCHIBHOTLA, Ravi MOTOROLA Ltd  
*G:* *U:* yes *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 acces; U = required in systems with UMTS

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Server WITHDRAWN specs Rel-5 25 .- series  
[http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/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*  
*freeze\_meeting: RP-15*  
*history (event, available, version,*

*WG (prime / other):* R2 / *rapporteur:* KUCHIBHOTLA, Ravi  
*G:* *U: yes* *MCC:* ARZELIER, Claude

MOTOROLA Ltd

*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*  
*freeze\_meeting: RP-15*  
*history (event, available, version,*

*WG (prime / other):* R2 / *rapporteur:* BECKMANN, Mark  
*G:* *U: yes* *MCC:* ARZELIER, Claude

SIEMENS AG

*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*  
*freeze\_meeting: RP-15*  
*history (event, available, version,*

*WG (prime / other):* R2 / *rapporteur:* MIKOLA, Juha  
*G:* *U: yes* *MCC:* ARZELIER, Claude

NOKIA Corporation

*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 25.869 Transmitter diversity solutions for multiple antennas**

Rel-5 *current version: none*  
*freeze\_meeting: RP-15*  
*history (event, available, version,*

*WG (prime / other):* R1 / - *rapporteur:* KIM, Sung-Jin  
*G:* *U: yes* *MCC:* SASAKI, Tsukasa

Samsung Electronics Ind. Co., Ltd.

RP-12 28/06/2001 1 . 0 . 0 RP-010344  
RP-13 01/10/2001 1 . 0 . 1 RP-010637  
RP-15 19/03/2002 1 . 0 . 2 RP-020130 - RP-20: to Rel-6

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* RP-20: to Rel-6.  
[get it](#)

---

**TR 25.885 UMTS 1800 / 1900 MHz work items report**

Rel-5 *current version: none*  
*freeze\_meeting: RP-15*  
*history (event, available, version,*  
RP-13 01/10/2001 1 . 0 . 0 RP-010672. RP-17: withdrawn.

*WG (prime / other):* R4 / *rapporteur:* NUMMINEN, Jussi  
*G:* *U: yes* *MCC:* GUTIERREZ MIGUELEZ, Cesar

NOKIA Corporation

[get it](#) *remarks - general:* RP-17: withdrawn. RP-18 unwithdrawn.  
*remarks - this release:* RP-17: withdrawn.

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



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

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**TR 25.886 Small technical enhancements and improvements work item**

Rel-5 *current version: none*  
*freeze\_meeting: RP-15*  
*history (event, available, version,*

*WG (prime / other):* R4 / *rapporteur:*  
*G: U: yes* *MCC:* GUTIERREZ MIGUELEZ, Cesar

*remarks - general:*  
*remarks - this release:* RP-17: withdrawn.

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**TR 25.887 Beamforming**

Rel-5 *current version: none*  
*freeze\_meeting: RP-15*  
*history (event, available, version,*

*WG (prime / other):* R1 / - *rapporteur:* KAHTAVA, Jussi Nokia Japan Co, Ltd  
*G: U: yes* *MCC:* SASAKI, Tsukasa

R1-22 0 . 0 . 1 R1-011342  
RP-14 07/12/2001 1 . 0 . 0 RP-010800

[get it](#) *remarks - general:*  
*remarks - this release:* RP-15: Deferred to Rel-6.

---

**TR 25.888 Improvement of inter frequency and inter system measurement for 1,28 Mcps TDD**

Rel-5 *current version: none*  
*freeze\_meeting: RP-16*  
*history (event, available, version,*

*WG (prime / other):* R1 / - *rapporteur:* LI, Xiaoqiang SAMSUNG Electronics Research Institute  
*G: U: yes* *MCC:* SASAKI, Tsukasa

RP-17 24/09/2002 1 . 0 . 0 RP-020508

[get it](#) *remarks - general:*  
*remarks - this release:* -> Rel-6

---

**TR 25.893 Radio access bearer scenarios**

Rel-5 *current version: none*  
*freeze\_meeting: RP-19*  
*history (event, available, version,*

*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:* 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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G = required in systems with GERAN acces; U = required in systems with UMTS

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[http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

## TR 25.951 Base Station (BS) classification (FDD)

Rel-5 *current version:* none  
*freeze\_meeting:* RP-16

*WG (prime / other):* R4 / - *rapporteur:* SÄYNÄJÄKANGAS, NOKIA Corporation  
Tuomo  
*G:* U: yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version,*

RP-13	01/10/2001	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.

Rel-5 **27** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/27\\_series](http://www.3gpp.org/ftp/Specs/archive/27_series)

## TS 27.104 vObjects and other constructs for data synchronization

Rel-5 *current version:* none  
*freeze\_meeting:* TP-15

*WG (prime / other):* T2 / - *rapporteur:* LOCKHART, Rob Motorola Inc.  
RODERMUND, Friedhelm  
*G:* U: yes *MCC:*

*history (event, available, version,*

TP-10	05/01/2001	0	.	1	.	1	SP-000657
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[get it](#)

*remarks - general:*

*remarks - this release:* TP-14: may be merged with 24.241. 2003-01-31: T2 Secretary confirmst that this spec is  
TSG#11:Rel4->Rel5. 2003-01-31: T2 Secretary confirmst that this spec is spec is

scrapped.

## TS 27.226 Global Text telephony (GTT);Terminal aspects

Rel-5 *current version:* none  
*freeze\_meeting:* TP-15

*WG (prime / other):* T2 / - *rapporteur:* HELLSTROM, Gunnar Omnitor AB  
RODERMUND, Friedhelm  
*G:* yes *U:* yes *MCC:*

*history (event, available, version,*

*remarks - general:*

*remarks - this release:* SP-16: to "GERAN" set.  
WI approved TSG#7. WG Secretary 2001-08-30: No need for any terminal spec for this application; so stopped.

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

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Server WITHDRAWN specs Rel-5 27 .- series  
[http://www.3gpp.org/ftp/Specs/archive/27\\_series](http://www.3gpp.org/ftp/Specs/archive/27_series)

## 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,*

*WG (prime / other):* T2 / *rapporteur:* LOCKHART, Rob Motorola Inc.  
*G:* yes *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.

Rel-5 29 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/29\\_series](http://www.3gpp.org/ftp/Specs/archive/29_series)

## 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,*

*WG (prime / other):* N3 / *rapporteur:* HOLLAND, Nigel mmO2 plc  
*G:* yes *U:* yes *MCC:* BOSWARTHICK, David

draft 01/06/2001 0 . 1 . 0  
draft 08/11/2001 0 . 3 . 0  
draft 14/01/2002 0 . 4 . 0  
draft 18/02/2002 0 . 6 . 1  
NP-15 19/03/2002 1 . 0 . 0 NP-020076

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* NP-19: to Rel-6  
[get it](#)  
[get it](#)  
[get it](#)

## TS 29.163 Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks

Rel-5 *current version:* none  
*freeze\_meeting:* NP-18  
*history (event, available, version,*

*WG (prime / other):* N3 / *rapporteur:* SANDERS, David VODAFONE Group Plc  
*G:* yes *U:* yes *MCC:* BOSWARTHICK, David

N3-16 0 . 0 . 0  
N3-17 01/06/2001 0 . 1 . 0 N3-010185, N3-010199, N3-010201 and [get it](#)  
N3-18 0 . 2 . 0 N3-010312, N3-010315  
N3-19 09/11/2001 0 . 3 . 0 N3-010462, N3-010427  
NP-14 02/01/2002 1 . 0 . 0 NP-010565  
N3-21 1 . 1 . 0  
NP-15 18/02/2002 1 . 2 . 0 NP-020077 ex N3-21  
editorials 1 . 2 . 1  
N3-23 1 . 3 . 1 N3-020441

*remarks - general:*  
*remarks - this release:* NP-16: shifted to Rel-6.

G = required in systems with GERANaccess; U = required in systems with UMTS

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Server WITHDRAWN specs Rel-5 29 .- series  
[http://www.3gpp.org/ftp/Specs/archive/29\\_series](http://www.3gpp.org/ftp/Specs/archive/29_series)

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**TS 29.198-04 Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control**

Rel-5 *current version:* none *WG (prime / other):* N5 / *rapporteur:* BAKKER, John-Luc Telcordia Technologies, Inc.  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,* 5 . 0 . 0 Interim step; not to be produced. See *remarks - general:*  
NP-16 sub-parts. *remarks - this release:* Split into sub-parts.

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**TS 29.198-09 Open Service Access (OSA) Application Programming Interface (API); Part 9: Generic messaging SCF**

Rel-5 *current version:* none *WG (prime / other):* N5 / *rapporteur:* N, A Indicate persons who left Company and wait for new  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian One  
*history (event, available, version,* 915-9.  
*remarks - general:* No draft produced. See ETSI deliverables: Parlay 3 - ES 201 915-9 and Parlay 4 -  
*remarks - this release:* 2001-05-18: Changed to Rel-5 from Rel-4 on info from Zoicas. SP-14 stopped. ES 202

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**TS 29.198-10 Open Service Access (OSA) Application Programming Interface (API); Part 10: Connectivity manager SCF**

Rel-5 *current version:* none *WG (prime / other):* N5 / *rapporteur:* N, A Indicate persons who left Company and wait for new  
*freeze\_meeting:* NP-15 *G:* *U:* yes *MCC:* ZOICAS, Adrian One  
*history (event, available, version,* 202 915-10.  
*remarks - general:* No draft produced. See ETSI deliverables: Parlay 3 - ES 201 915-10 and Parlay 4  
*remarks - this release:* 2001-05-18: Changed to Rel-5 from Rel-4 on info from Zoicas. SP-14 stopped. - ES

---

**TS 29.203 Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)**

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,*  
*remarks - general:* superseded by 29.903  
*remarks - this release:* . TSG#11:creation; superseded by 29.903

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**TS 29.226 reserved**

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,*  
*remarks - general:*  
*remarks - this release:* WI approved TSG#7

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

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Server WITHDRAWN specs Rel-5 29 .- series  
[http://www.3gpp.org/ftp/Specs/archive/29\\_series](http://www.3gpp.org/ftp/Specs/archive/29_series)

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**TS 29.240 Generic User Profile (GUP); Stage 3; Network**

Rel-5 *current version:* none  
*freeze\_meeting:* NP-16  
*history (event, available, version,*

*WG (prime / other):* N4 / *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*G:* *U:* yes *MCC:* KYMALAINEN, Kimmo

*remarks - general:* Cf work item 'Generic user profile' - may be renumbered to 27.241  
*remarks - this release:* 2002-03-05: Delayed to Rel-6.

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**TR 29.993 Modifications to be incorporated in equipment to cater for errors in the standards**

Rel-5 *current version:* none  
*freeze\_meeting:*  
*history (event, available, version,*

*WG (prime / other):* RP / - *rapporteur:* COURAU, François ALCATEL S.A.  
*G:* yes *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*remarks - general:* RP-19: stopped.  
*remarks - this release:* .

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**TR 29.998-04- Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 2: INAP**

Rel-5 *current version:* none  
*freeze\_meeting:* NP-15  
*history (event, available, version,*

*WG (prime / other):* N5 / *rapporteur:* UNMEHOPA, Musa Lucent Technologies Nederland B.V.  
*G:* *U:* yes *MCC:* ZOICAS, Adrian

*remarks - general:*  
*remarks - this release:* SP-14 stopped.

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**TR 29.998-04- 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  
*freeze\_meeting:* NP-15  
*history (event, available, version,*

*WG (prime / other):* N5 / *rapporteur:* UNMEHOPA, Musa Lucent Technologies Nederland B.V.  
*G:* *U:* yes *MCC:* ZOICAS, Adrian

*remarks - general:*  
*remarks - this release:* 2003-01-15: abandoned by N5

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**TR 29.998-05- 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  
*freeze\_meeting:* NP-16  
*history (event, available, version,*

*WG (prime / other):* N5 / *rapporteur:* UNMEHOPA, Musa Lucent Technologies Nederland B.V.  
*G:* *U:* yes *MCC:* ZOICAS, Adrian

*remarks - general:*  
*remarks - this release:* 2003-01-15: abandoned by N5

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

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[http://www.3gpp.org/ftp/Specs/archive/29\\_series](http://www.3gpp.org/ftp/Specs/archive/29_series)

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**TR 29.998-05- 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 Nederland B.V.  
*freeze\_meeting:* NP-16 *G:* U: yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*

*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,*  
NP-18 07/01/2003 5 . 0 . 0 NP-19: renumbered to 30.902. [get it](#) *remarks - general:* NP-19: renumbered to 30.902 to avoid confusion with old SMG 30.0x series UMTS  
*remarks - this release:* NP-18: Evidently Rel-5 is indeed required! studies.

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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 31.115 Secured packet structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications**

Rel-5 *current version:* none *WG (prime / other):* T3 / - *rapporteur:* VIALLET, Sophie GEMPLUS Card International  
*freeze\_meeting:* TP-16 *G:* U: yes *MCC:* DIETZE, Claus  
*history (event, available, version,*  
TP-15 19/03/2002 0 . 0 . 2 TP-020031 [get it](#) *remarks - general:* additional rapporteur: Florence Martin.  
TP-15 19/03/2002 1 . 0 . 0 TP-020075 [get it](#) *remarks - this release:* TP-16: offered for approval as Rel-6, so scrap Rel-5.

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

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[http://www.3gpp.org/ftp/Specs/archive/31\\_series](http://www.3gpp.org/ftp/Specs/archive/31_series)

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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 GEMPLUS Card International  
*freeze\_meeting:* TP-16 *G:* yes *U:* yes *MCC:* DIETZE, Claus  
*history (event, available, version,*  
TP-15 19/03/2002 0 . 1 . 0 TP-020032 [get it](#) *remarks - general:* additional rapporteur: Florence Martin  
TP-15 19/03/2002 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 31.131 C-language binding for (Universal) Subscriber Identity Module ((U)SIM) API**

Rel-5 *current version:* none *WG (prime / other):* T3 / *rapporteur:* TON, Wim ASPECTS Software Ltd  
*freeze\_meeting:* TP-16 *G:* yes *U:* yes *MCC:* DIETZE, Claus  
*history (event, available, version,*  
TP-14 02/01/2002 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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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 32.108 Telecommunication management; Subscriber and equipment trace**

Rel-5 *current version:* none *WG (prime / other):* S5 / NP *rapporteur:* RONKA, Kari NOKIA Corporation  
*freeze\_meeting:* SP-16 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
draft 08/11/2001 0 . 0 . 1 [get it](#) *remarks - general:* 2002-04-29: source Christian Toche - will not be published. Replace with 32.411,  
draft 26/02/2002 0 . 1 . 0 [get it](#) *remarks - this release:* SP-15: Partial service only. 32..42x and 52.008.

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**TS 32.112 Telecommunication management; Fault Management; Alarm Integration Reference Point: Information Service**

Rel-5 *current version:* none *WG (prime / other):* S5 / *rapporteur:* TOVINGER, Thomas Telefon AB LM Ericsson  
*freeze\_meeting:* SP-15 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
*remarks - general:* SP-15: stopped, no draft ever having been produced.  
*remarks - this release:* .

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

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Server WITHDRAWN specs Rel-5 32 .- series  
[http://www.3gpp.org/ftp/Specs/archive/32\\_series](http://www.3gpp.org/ftp/Specs/archive/32_series)

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<b>TS 32.113</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: none</i>	<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,</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: none</i>	<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,</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; Services operations management; Subscription management requirements</b>				
Rel-5	<i>current version: none</i>	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> ISLIP, John	Lucent Technologies Network Systems UK	
	<i>freeze_meeting:</i> SP-16	G: U: yes	<i>MCC:</i>	ZOICAS, Adrian	
	<i>history (event, available, version,</i>				
	draft 27/06/2001 0 . 1 . 3	<a href="#">get it</a>	<i>remarks - general:</i>		
	draft 21/01/2002 0 . 5 . 4	<a href="#">get it</a>	<i>remarks - this release:</i>	SP-15: move to Rel-6.	
	draft 28/01/2002 0 . 5 . 5	<a href="#">get it</a>			
<hr/>					
<b>TS 32.312-2</b>	<b>Telecommunication management; Generic Integration Reference Point (IRP) management; Information service</b>				
Rel-5	<i>current version: none</i>	<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	G: U: yes	<i>MCC:</i>	ZOICAS, Adrian	
	<i>history (event, available, version,</i>				
			<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: none</i>	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PAL, Tapinder	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> SP-17	G: U: yes	<i>MCC:</i>	ZOICAS, Adrian	
	<i>history (event, available, version,</i>				
			<i>remarks - general:</i>		
			<i>remarks - this release:</i>	SP-17: moved to Rel-6.	

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



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Server WITHDRAWN specs Rel-5 32 .- series  
[http://www.3gpp.org/ftp/Specs/archive/32\\_series](http://www.3gpp.org/ftp/Specs/archive/32_series)

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<b>TS 32.682</b>	<b>Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Information service</b>				
Rel-5	<i>current version: none</i>	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PAL, Tapinder		T-MOBILE DEUTSCHLAND
	<i>freeze_meeting:</i> SP-17	<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</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</b>				
Rel-5	<i>current version: none</i>	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PAL, Tapinder		T-MOBILE DEUTSCHLAND
	<i>freeze_meeting:</i> SP-17	<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</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</b>				
Rel-5	<i>current version: none</i>	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PAL, Tapinder		T-MOBILE DEUTSCHLAND
	<i>freeze_meeting:</i> SP-17	<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>				
				<i>remarks - general:</i>	
				<i>remarks - this release:</i> SP-17: moved to Rel-6.	
<hr/>					
<b>TR 32.801</b>	<b>Performance management</b>				
Rel-5	<i>current version: none</i>	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> KORINEK, Frank		MOTOROLA JAPAN LTD
	<i>freeze_meeting:</i> SP-15	<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>				
				<i>remarks - general:</i> (Release 4/5 Building Block: OAM-PM)	
				<i>remarks - this release:</i> 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)

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

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Server WITHDRAWN specs Rel-5 33 .- series  
[http://www.3gpp.org/ftp/Specs/archive/33\\_series](http://www.3gpp.org/ftp/Specs/archive/33_series)

## TR 33.800 Principles for Network Domain Security

Rel-5 *current version: none*  
*freeze\_meeting:*  
*history (event, available, version,*

WG (prime / other): S3 / - *rapporteur:* ESCOTT, Adrian 3  
G: U: yes *MCC:* POPE, Maurice

*remarks - general:* 2002-06-26: Item abandoned, since seems unlikely any more work will be done on  
*remarks - this release:* .2002-06-26: Item abandoned, since seems unlikely any more work will be done on

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*  
*freeze\_meeting: SP-16*  
*history (event, available, version,*

WG (prime / other): SP / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
G: yes U: *MCC:* POPE, Maurice

*remarks - general:* SP-20: Superseded by 41.101 Rel-5.  
*remarks - this release:* SP-20: Superseded by 41.101 Rel-5.

SP-12		0	.	0	.	0	SP-010278	
SP-12	05/07/2001	0	.	1	.	0	SP-010384	<a href="#">get it</a>
SP-13	01/10/2001	1	.	0	.	0	SP-010421	<a href="#">get it</a>
SP-15	19/03/2002	1	.	1	.	0	SP-020098	<a href="#">get it</a>
SP-15	19/03/2002	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	19/06/2002	5	.	0	.	0		<a href="#">get it</a>
SP-17	18/09/2002	5	.	1	.	0		<a href="#">get it</a>
SP-18	03/01/2003	5	.	2	.	0		<a href="#">get it</a>
SP-19	27/03/2003	5	.	3	.	0		<a href="#">get it</a>
SP-20	25/06/2003	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)

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

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Server WITHDRAWN specs Rel-5 42 .- series  
[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-5 *current version: none* *freeze\_meeting: SP-15* *WG (prime / other): S3 /* *rapporteur: WRIGHT, Tim* Indicate persons who left Company and wait for new One  
*G: yes U:* *MCC: POPE, Maurice*  
*history (event, available, version, SP-16 24/06/2002 5 . 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.*

---

**TS 42.032 Immediate Service Termination (IST); Service description; Stage 1**  
Rel-5 *current version: none* *freeze\_meeting: SP-15* *WG (prime / other): S3 /* *rapporteur: WRIGHT, Tim* Indicate persons who left Company and wait for new One  
*G: yes U:* *MCC: POPE, Maurice*  
*history (event, available, version,* *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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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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**TS 43.031 Fraud Information Gathering System (FIGS); Service description; Stage 2**  
Rel-5 *current version: none* *freeze\_meeting: SP-15* *WG (prime / other): S3 / -* *rapporteur: WRIGHT, Tim* Indicate persons who left Company and wait for new One  
*G: yes U:* *MCC: POPE, Maurice*  
*history (event, available, version, SP-16 24/06/2002 5 . 0 . 0 SP-18: withdrawn.* [get it](#) *remarks - general: SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 &*  
*remarks - this release: SP-18: decided FIGS is joint GERAN/UTRAN so -> 23.031. Rel-5 -> 23.031.*

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**TS 43.035 Immediate Service Termination (IST); Stage 2**  
Rel-5 *current version: none* *freeze\_meeting: SP-15* *WG (prime / other): S3 / -* *rapporteur: WRIGHT, Tim* Indicate persons who left Company and wait for new One  
*G: yes U:* *MCC: POPE, Maurice*  
*history (event, available, version,* *remarks - general: SP-16: withdrawn in favour of 23.035.*  
*remarks - this release: SP-16: withdrawn in favour of 23.035.*

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

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Server WITHDRAWN specs Rel-5 43 .- series  
[http://www.3gpp.org/ftp/Specs/archive/43\\_series](http://www.3gpp.org/ftp/Specs/archive/43_series)

## TR 43.900 Support for voice optimization for the IMS in the GERAN

Rel-5  
*current version:* none  
*freeze\_meeting:* GP-10  
*history (event, available, version,*  
GP-06 17/06/2003 1 . 0 . 0 GP-011962

*WG (prime / other):* G1 / *rapporteur:* GUARINO, Bernard AT&T Wireless Services, Inc.  
*G: yes U:* *MCC:* USAI, Paolino

[get it](#) *remarks - general:* 2002-09-03: Transferred from G2 to G1.. GP-06: stopped.  
*remarks - this release:* 2003-01-14: WG Secretary reports that this doc is unlikely to be completed. GP-06: stopped.

## TR 43.930 Iur-g interface; Stage 2

Rel-5  
*current version:* none  
*freeze\_meeting:* GP-09

*history (event, available, version,*  
GP-09 0 . 3 . 0 GP-020733  
GP-09 22/04/2002 0 . 4 . 0 GP-021274  
  
draft 19/07/2002 0 . 5 . 1  
GP-10 19/07/2002 5 . 0 . 0  
GP-11 16/09/2002 5 . 1 . 0 GP-11: withdrawn and technically  
identical document issued as TS

*WG (prime / other):* G2 / *rapporteur:* CARRIZO MARTINEZ, VODAFONE Group Plc  
*G: yes U:* *MCC:* Jose Luis THOMASEN, Gert

[get it](#) *remarks - general:* GP-11: Withdrawn and replaced with 43.130.  
*remarks - this release:* This record originally created as Rel-6, but GP-10 approves as Rel-5. GP-11: Withdrawn and replaced with 43.130.

[get it](#)  
[get it](#)  
[get it](#)

Rel-5 49 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/49\\_series](http://www.3gpp.org/ftp/Specs/archive/49_series)

## TR 49.994 Recommended infrastructure measures to overcome specific Mobile Station (MS) faults

Rel-5  
*current version:* none  
*freeze\_meeting:*

*history (event, available, version,*

*WG (prime / other):* N1 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
*G: yes U:* *MCC:* JORGENSEN, Per Johan

*remarks - general:* 2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to  
*remarks - this release:* . latest Release version. 2002-05-07 (Hietalahti): Scrapped in favour of 29.994  
handling both "GSM" and "UMTS" problems.

Rel-5 50 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/50\\_series](http://www.3gpp.org/ftp/Specs/archive/50_series)

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

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Server WITHDRAWN specs Rel-5 50 .- series  
[http://www.3gpp.org/ftp/Specs/archive/50\\_series](http://www.3gpp.org/ftp/Specs/archive/50_series)

## TR 50.099 GERAN project plan and open issues

Rel-5 *current version: none* WG (prime / other): GP / - rapporteur: BLADSJO, David Telefon AB LM Ericsson  
*freeze\_meeting: GP-09* G: yes U: MCC: USAI, Paolino  
*history (event, available, version,*  
GP-08 04/04/2002 0 . 0 . 14 GP-020277 [get it](#) *remarks - general:* 2002-01-23: Usai indicates "stopped". GP-08: But it won't lie down. Resuscitate as  
GP-08 20/03/2002 0 . 0 . 15 GP-020515 [get it](#) *remarks - this release:* GP-08: Assume planning is for Rel-5 now (since Rel-4 is frozen). 2003-01-14: Fel-5  
Rel-5. GP-12: Rel-5 frozen, so draft moved to Rel-6.  
frozen, so migrated to Rel-6.  
draft 20/03/2002 0 . 1 . 6 [get it](#)

Rel-5 51 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/51\\_series](http://www.3gpp.org/ftp/Specs/archive/51_series)

## 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: DIETZE, Claus  
*history (event, available, version,*  
TP-14 17/01/2002 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.

## 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)

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

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Server WITHDRAWN specs Rel-4 21 .- series  
[http://www.3gpp.org/ftp/Specs/archive/21\\_series](http://www.3gpp.org/ftp/Specs/archive/21_series)

## TS 21.102 3rd Generation mobile system Release 4 specifications

Rel-4 *current version: none*  
*freeze\_meeting: SP-11*  
*history (event, available, version,*

SP-08	30/06/2000	1	.	0	.	0	
SP-10	04/01/2001	1	.	1	.	0	
SP-11	11/04/2001	4	.	0	.	0	
SP-12	05/07/2001	4	.	1	.	0	
SP-13	01/10/2001	4	.	2	.	0	
SP-14	03/01/2002	4	.	3	.	0	
SP-15	27/03/2002	4	.	4	.	0	
SP-16	19/06/2002	4	.	5	.	0	
SP-17	18/09/2002	4	.	6	.	0	
SP-18	03/01/2003	4	.	7	.	0	
SP-19	27/03/2003	4	.	8	.	0	
SP-20	25/06/2003	4	.	9	.	0	withdrawn -> 21.101

*)*

WG (prime / other): SP / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
G: U: yes *MCC:* POPE, Maurice

[get it](#) *remarks - general:* SP-20: Superseded by 21.101 Rel-4.  
[get it](#) *remarks - this release:* SP-20: Superseded by 21.101 Rel-4.  
[get it](#)  
[get it](#)  
[get it](#)  
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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)

## TS 22.043 Support of Localized Service Area (SoLSA); Service description; Stage 1

Rel-4 *current version: none*  
*freeze\_meeting: SP-11*  
*history (event, available, version,*

WG (prime / other): S1 / - *rapporteur:* KOKKOLA, Tommi NOKIA Corporation  
G: yes U: yes *MCC:* CLAYTON, Michael

*remarks - general:* Transfer>TSG#4  
*remarks - this release:* TSG#11: Becomes 42.043 for Rel-4 (!).

## TS 22.112 USIM toolkit interpreter; Stage 1

Rel-4 *current version: none*  
*freeze\_meeting: SP-11*  
*history (event, available, version,*

TP-10	11/01/2001	1	.	0	.	0	
TP-11	09/04/2001	4	.	0	.	0	withdrawn TP-13

*)*

WG (prime / other): T3 / - *rapporteur:* MEYER, Michael GIESECKE & DEVRIENT GmbH  
G: U: yes *MCC:* DIETZE, Claus

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* TP-13: Rel-4 withdrawn, since stage 2 not ready.

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

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Server WITHDRAWN specs Rel-4 22 .- series  
[http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

## TS 22.227 Service requirements for the Open Service Access (OSA)

Rel-4 *current version: none*  
*freeze\_meeting: SP-11*  
*history (event, available, version,*

*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:* .

## TR 22.976 Study on PS domain services and capabilities

Rel-4 *current version: none*  
*freeze\_meeting: SP-11*  
*history (event, available, version,*

*WG (prime / other):* S1 / - *rapporteur:* CATALDO, Mark Openwave Systems (N.I.) Ltd  
*G: U: yes* *MCC:* CLAYTON, Michael

SP-07 17/03/2000 1 . 0 . 0 SP-000073  
draft 09/05/2000 1 . 4 . 0  
SP-08 28/06/2000 2 . 0 . 0 -> Rel-5.

[get it](#) *remarks - general:* 2003-04-07 Clayton: scrapped.  
[get it](#) *remarks - this release:* 2001-12-04: Rel4->Rel-5 (Clayton).  
[get it](#)

Rel-4 23 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/23\\_series](http://www.3gpp.org/ftp/Specs/archive/23_series)

## TS 23.073 Support of Localised Service Area (SoLSA); Stage 2

Rel-4 *current version: none*  
*freeze\_meeting: SP-11*  
*history (event, available, version,*

*WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

NP-11 04/04/2001 4 . 0 . 0 SP-16: ->43.073 since applies to  
GERAN systems only.

[get it](#) *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 23.171 Location Services (LCS); Functional description; Stage 2 (UMTS)

Rel-4 *current version: none*  
*freeze\_meeting: SP-11*  
*history (event, available, version,*

*WG (prime / other):* S2 / - *rapporteur:* KÅLL, Jan NOKIA Corporation  
*G: U: yes* *MCC:* YOON, Sang-Ui

SP-11 18/06/2002 4 . 0 . 0 withdrawn

[get it](#) *remarks - general:*  
*remarks - this release:* Kall: Apr-2001:Superseded by 23.271 for Rel-4.

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

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Server WITHDRAWN specs Rel-4 23 .- series  
[http://www.3gpp.org/ftp/Specs/archive/23\\_series](http://www.3gpp.org/ftp/Specs/archive/23_series)

<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>freeze_meeting:</i> SP-12								
	<i>history (event, available, version,</i>								
	SP-10 31/01/2001	1	.	0	.	0	SP-000594	<a href="#">get it</a>	<i>remarks - general:</i>
	draft 01/02/2001	1	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> SP-12: becomes Rel-5
	draft 26/06/2001	1	.	7	.	3	suspicious version number!	<a href="#">get it</a>	
	SP-12 26/06/2001	2	.	0	.	0	S2-011123, SP-010337	<a href="#">get it</a>	
<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>freeze_meeting:</i> SP-11								
	<i>history (event, available, version,</i>								
	NP-11	4	.	0	.	0	doa. Stick at R99.		<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.
<b>TR 23.821</b>	<b>Architecture Principles for Reelase 2000</b>								
Rel-4	<i>current version:</i> none								
	<i>freeze_meeting:</i> SP-11								
	<i>history (event, available, version,</i>								
	SP-08 28/06/2000	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
<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>freeze_meeting:</i> SP-11								
	<i>history (event, available, version,</i>								
	SP-09	1	.	0	.	0			<i>remarks - general:</i> SP-20: stopped
	draft 08/11/2000	1	.	2	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> SP-20: stopped
	draft 24/11/2000	1	.	3	.	0		<a href="#">get it</a>	

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



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Server WITHDRAWN specs Rel-4 23 .- series  
[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	<i>MCC:</i> YOON, Sang-Ui	
	<i>history (event, available, version,</i>				
	draft 15/11/1998	0 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i> SP-20: stopped	
	draft 15/01/1999	0 . 2 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> SP-20: stopped	
	draft 15/04/1999	0 . 3 . 0	<a href="#">get it</a>		
	draft 30/04/1999	0 . 4 . 0	<a href="#">get it</a>		
	draft 15/05/1999	0 . 5 . 0	<a href="#">get it</a>		
	S2-05 30/05/1999	1 . 0 . 0	<a href="#">get it</a>		
	draft 30/06/1999	1 . 1 . 0	<a href="#">get it</a>		
	draft 15/07/1999	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	<i>MCC:</i> N, A	
	<i>history (event, available, version,</i>				
	N1-06 20/08/1999	0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i> New after TSG#5	
	N1-07 17/09/1999	0 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release:</i> .	
	N1-08 29/10/1999	0 . 0 . 3	<a href="#">get it</a>		
	revision 15/11/1999	0 . 1 . 0	<a href="#">get it</a>		
	revision 30/11/1999	0 . 1 . 1	<a href="#">get it</a>		
	NP-06 17/12/1999	1 . 0 . 0	<a href="#">get it</a>		
	N1-09 03/12/1999	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	<i>MCC:</i> YOON, Sang-Ui	
	<i>history (event, available, version,</i>				
	SP-11	4 . 0 . 0		<i>remarks - general:</i> TSG#5: 1.0.0	
		abandoned July 2001		<i>remarks - this release:</i> Sultan, Apr-2001: abandoned in early 2000. July-2001: replaced by 23,228.	

---

<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	<i>MCC:</i> YOON, Sang-Ui	
	<i>history (event, available, version,</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 acces; U = required in systems with UMTS

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Server WITHDRAWN specs Rel-4 23 .- series  
[http://www.3gpp.org/ftp/Specs/archive/23\\_series](http://www.3gpp.org/ftp/Specs/archive/23_series)

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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,*  
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.  
*remarks - this release:* SP-20: stopped SP-20: stopped

---

**TR 23.972 Circuit switched multimedia telephony**  
Rel-4 *current version: none*  
*freeze\_meeting: SP-11*  
*history (event, available, version,*  
NP-11 4 . 0 . 0 *doa. Stick at R99.*  
WG (*prime / other*): N1 / - *rapporteur:* FARHOUMAND, Ericsson Incorporated  
G: U: yes *MCC:* Rouzbeh 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,*  
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 (SMSCB) Support on the Mobile Radio Interface**  
Rel-4 *current version: none*  
*freeze\_meeting: SP-11*  
*history (event, available, version,*  
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

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Server WITHDRAWN specs Rel-4 24 .- series  
[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* *G: U: MCC: N, A* One  
*history (event, available, version,*  
*remarks - general:*  
*remarks - this release: .*

---

**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,*  
*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* *G: U: yes MCC: N, A* One  
*history (event, available, version,*  
Start of work 01/08/2000 0 . 0 . 1 [get it](#) *remarks - general: -> 25.143*  
*remarks - this release: Scrapped in favour of 25.143*

---

**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,*  
*remarks - general: Created Jan 00; wdrwn Apr00*  
*remarks - this release: First draf t: Jan2000*

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

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Server WITHDRAWN specs Rel-4 25 .- series  
[http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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<b>TR 25.835</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,</i>								
	RP-09 16/10/2000	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,</i>								
	RP-09 21/09/2000	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,</i>								
	RP-12 05/07/2001	0	.	2	.	0			RP-010426
	RAN3 approved 01/10/2001	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 25.845</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,</i>								
	draft 20/12/2000	0	.	0	.	2			
	draft 14/05/2001	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.
<hr/>									
<b>TR 25.846</b>	<b>CPCH performance</b>								
Rel-4	<i>current version:</i> none								
	<i>freeze_meeting:</i> SP-11								
	<i>history (event, available, version,</i>								
								<i>remarks - general:</i>	2001-02-13: scrapped
								<i>remarks - this release:</i>	.

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

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Server WITHDRAWN specs Rel-4 25 .- series  
[http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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**TR 25.852** **Iu enhancements for IMS support in UTRAN**

Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
RP-11 06/04/2001 0 . 0 . 0

*WG (prime / other):* R3 / *rapporteur:* DIESEN, Michael MOTOROLA Ltd  
*G:* *U:* yes *MCC:* KRAUSE, Joern

[get it](#) *remarks - general:* 2003-09-08: Title changed from "Radio access bearer support enhancements for  
*remarks - this release:* RP-15: No upgrade to Rel-5. RP-19: future to be discussed R3-35. TP-20: to the Iu".

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**TR 25.924** **Opportunity Driven Multiple Access (ODMA)**

Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
RP-03 23/04/1999 0 . 0 . 1  
RP-04 23/06/1999 0 . 1 . 0  
  
RP-05 13/10/1999 0 . 2 . 0  
RP-06 17/12/1999 1 . 0 . 0

*WG (prime / other):* R2 / - *rapporteur:* LAW, Alan VODAFONE LTD  
*G:* *U:* yes *MCC:* ARZELIER, Claude

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

[get it](#)  
[get it](#)

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**TR 25.932** **Delay budget within the access stratum**

Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
RP-08 23/06/2000 1 . 0 . 0  
RP-09 05/10/2000 1 . 1 . 0  
RP-10 22/01/2001 2 . 0 . 0

*WG (prime / other):* R3 / - *rapporteur:* TAYLOR, Carolyn MOTOROLA Ltd  
*G:* *U:* yes *MCC:* KRAUSE, Joern

[get it](#) *remarks - general:* ->25.853 @ TSG#10.  
[get it](#) *remarks - this release:* TSG#10:2.0.0; approved renumbered as 25.853.  
[get it](#)

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

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Server WITHDRAWN specs Rel-4 25 .- series  
[http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

## TR 25.933 IP transport in UTRAN

Rel-4 *current version:* none  
*freeze\_meeting:* RP-15  
*history (event, available, version,*

*WG (prime / other):* R3 / - *rapporteur:* DREVON, Nicolas ALCATEL S.A.  
*G:* *U:* yes *MCC:* KRAUSE, Joern

draft	15/05/2000	0	.	0	.	1		<a href="#">get it</a>
R3-13	15/06/2000	0	.	1	.	0		<a href="#">get it</a>
R3-13	15/07/2000	0	.	1	.	1		<a href="#">get it</a>
RP-09	15/08/2000	0	.	2	.	0		<a href="#">get it</a>
RP-10	21/12/2000	0	.	4	.	0	RP-000644	<a href="#">get it</a>
RP-11	06/04/2001	1	.	0	.	0		<a href="#">get it</a>
RP-12	05/07/2001	1	.	1	.	0	RP-010425	<a href="#">get it</a>
RP-13	01/10/2001	1	.	4	.	0	RP-010642	<a href="#">get it</a>
draft	13/11/2001	1	.	4	.	1	to Rel-5	<a href="#">get it</a>
RP-14	06/12/2001	1	.	5	.	0	RP-010876	<a href="#">get it</a>
draft	02/01/2002	1	.	5	.	1		<a href="#">get it</a>
RP-15	19/03/2002	1	.	7	.	1	RP-020136, withdrawn	<a href="#">get it</a>
RP-15	19/03/2002	2	.	0	.	0	RP-020137	<a href="#">get it</a>

*remarks - general:*  
*remarks - this release:* 2001-12-05: Rel-4 abandoned in favour of Rel-5 (Drevon).

## TR 25.938 Terminal power saving features

Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* R3 / - *rapporteur:* CHOI, Sungho Samsung Electronics Ind. Co., Ltd.  
*G:* *U:* yes *MCC:* KRAUSE, Joern

draft	15/08/2000	0	.	0	.	1		<a href="#">get it</a>
draft	05/10/2000	0	.	1	.	0		<a href="#">get it</a>
RP-10	21/12/2000	0	.	1	.	1	RP-000654	<a href="#">get it</a>
RP-11	06/04/2001	2	.	0	.	0	R3-27: abandoned, confirmed RP-15.	<a href="#">get it</a>

*remarks - general:* R3-27: abandoned.  
*remarks - this release:* RP-15: Withdrawal confirmed.

## TR 25.951 Base Station (BS) classification (FDD)

Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* R4 / - *rapporteur:* SÄYNÄJÄKANGAS, NOKIA Corporation  
*G:* *U:* yes *MCC:* Tuomo GUTIERREZ MIGUELEZ, Cesar

R4-13	21/11/2000	0	.	0	.	1	R4-000572	<a href="#">get it</a>
RP-10	21/12/2000	1	.	0	.	0	RP-000598	<a href="#">get it</a>
R4-16		1	.	0	.	1	R4-010257	
RP-13	01/10/2001	1	.	1	.	0	RP-010681	<a href="#">get it</a>

*remarks - general:*  
*remarks - this release:* 2002-01-24: Gutierrez: moved to Rel-5

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

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Server WITHDRAWN specs Rel-4 25 .- series  
[http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

## TR 25.952 Base Station classification (TDD)

Rel-4 *current version:* none  
*freeze\_meeting:*

*history (event, available, version,*  
draft 21/11/2000 0 . 0 . 1  
RP-10 21/12/2000 1 . 0 . 0  
RP-11 10/04/2001 1 . 1 . 0

*WG (prime / other):* R4 / - *rapporteur:* AXNESS, Timothy INTERDIGITAL COMMUNICATIONS  
*G:* *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* -> Rel-5  
[get it](#)

Rel-4 26 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/26\\_series](http://www.3gpp.org/ftp/Specs/archive/26_series)

## TR 26.078 Results of the AMR noise suppression selection phase

Rel-4 *current version:* none  
*freeze\_meeting:* SP-11

*history (event, available, version,*  
SP-11 4 . 0 . 0

*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.

## 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,*  
SP-08 23/06/2000 0 . 0 . 0  
SP-09 18/10/2000 0 . 0 . 9  
draft 24/10/2000 0 . 0 . 10  
SP-10 21/12/2000 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](#)

## TS 26.230 Global text telephony (GTT); Cellular text telephone modem transmitter C-code description

Rel-4 *current version:* none  
*freeze\_meeting:* SP-11

*history (event, available, version,*  
SP-10 2 . 0 . 0 SP-000750  
SP-10 21/12/2000 4 . 0 . 0

*WG (prime / other):* S4 / - *rapporteur:* HELLSTROM, Gunnar Omnitor AB  
*G:* yes *U:* yes *MCC:* USAI, Paolino

*remarks - general:* SP-16: in "GERAN" set.  
[get it](#) *remarks - this release:* TSG#10:2.0.0=SP-000570(Rel-5)->Rel-4; TSG#11:withdrawn, to be Rel-5 only.

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

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Server WITHDRAWN specs Rel-4 26 .- series  
[http://www.3gpp.org/ftp/Specs/archive/26\\_series](http://www.3gpp.org/ftp/Specs/archive/26_series)

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## TS 26.235 Packet switched conversational multimedia applications; Default codecs

Rel-4 *current version: none* WG (prime / other): S4 / - *rapporteur:* OJALA, Pasi Nokia Research Center  
*freeze\_meeting:* SP-11 G: yes U: yes *MCC:* USAI, Paolino  
*history (event, available, version,*  
draft 01/10/2000 0 . 0 . 1 [get it](#) *remarks - general:*  
draft 16/11/2000 0 . 0 . 2 [get it](#) *remarks - this release:* SP-12: withdrawn from Rel-4, moved to Rel-5.  
SP-10 21/12/2000 1 . 0 . 0 NP-000567 [get it](#)  
SP-11 10/04/2001 4 . 0 . 0 [get it](#)  
SP-12 4 . 1 . 0 immediately withdrawn, becomes Rel-5

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## TR 26.913 Quantitative performance evaluation of real-time packet switched multimedia services over 3G

Rel-4 *current version: none* WG (prime / other): S4 / - *rapporteur:* HONKO, Harri NOKIA Corporation  
*freeze\_meeting:* SP-11 G: U: yes *MCC:* USAI, Paolino  
*history (event, available, version,*  
*remarks - general:*  
*remarks - this release:* No work, will never appear as 4.0.0 (Usai, Mar 2001)

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## TR 26.920 Architectural Model for the 3G Transcoders

Rel-4 *current version: none* WG (prime / other): S4 / - *rapporteur:* NAVARRO, William NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* SP-11 G: U: yes *MCC:* USAI, Paolino  
*history (event, available, version,*  
SP-03 26/04/1999 0 . 1 . 1 [get it](#) *remarks - general:* 2000-01-22: S4 TFO group discontinues work on this report.  
*remarks - this release:* .

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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)

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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,*  
*remarks - general:*  
*remarks - this release:* 2001-11-07: Boswarthick: Not required for Rel-4.

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



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Server WITHDRAWN specs Rel-4 29 .- series  
[http://www.3gpp.org/ftp/Specs/archive/29\\_series](http://www.3gpp.org/ftp/Specs/archive/29_series)

Rel-4 29 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/29\\_series](http://www.3gpp.org/ftp/Specs/archive/29_series)

## 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:* NP-11 *G:* yes *U:* yes *MCC:* GUTIERREZ MIGUELEZ, Cesar  
*history (event, available, version,*

*remarks - general:* RP-19: stopped.  
*remarks - this release:* .

Rel-4 30 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/30\\_series](http://www.3gpp.org/ftp/Specs/archive/30_series)

## 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,*

NP-09 08/11/2000 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 02/02/2001 4 . 0 . 1 NP-19: Replaced by 30.902 v4.0.2. [get it](#) *remarks - this release:* 2002-03-10: WG Chairman: Unwithdrawn. postNP-16: No Rel-5 needed.  
studies.

## TR 30.504 Work Plan and Study Items - RAN WG4

Rel-4 *current version:* none *WG (prime / other):* R4 / - *rapporteur:* IWASA, Masaaki MOTOROLA JAPAN LTD  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* GUTIERREZ MIGUELEZ, Cesar  
*history (event, available, version,*

RP-03	23/04/1999	0	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i> RP-20: stopped
draft	21/12/2000	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	23/06/1999	1	.	0	.	0		<a href="#">get it</a>	
RP-05	13/10/1999	1	.	4	.	0		<a href="#">get it</a>	
RP-06	17/12/1999	2	.	0	.	0		<a href="#">get it</a>	
RP-08	23/06/2000	2	.	2	.	0		<a href="#">get it</a>	

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

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Server WITHDRAWN specs Rel-4 30 .- series  
[http://www.3gpp.org/ftp/Specs/archive/30\\_series](http://www.3gpp.org/ftp/Specs/archive/30_series)

<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	<i>MCC:</i> YOON, Sang-Ui			
	<i>history (event, available, version,</i>						
	draft 30/07/1999	0 . 1 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	draft 30/08/1999	0 . 2 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> TSG#11: Work stopped.		
	draft 30/09/1999	0 . 3 . 0		<a href="#">get it</a>			
	SP-05 13/10/1999	1 . 0 . 0		<a href="#">get it</a>			
	draft 02/12/1999	1 . 1 . 0		<a href="#">get it</a>			
<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	<i>MCC:</i> YOON, Sang-Ui			
	<i>history (event, available, version,</i>						
	SP-05 13/10/1999	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.		
<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	<i>MCC:</i> YOON, Sang-Ui			
	<i>history (event, available, version,</i>						
	SP-05 13/10/1999	1 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
					<i>remarks - this release:</i> TSG#11: Work stopped.		
<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> KÅLL, Jan		NOKIA Corporation	
	<i>freeze_meeting:</i> SP-11		G: U: yes	<i>MCC:</i> YOON, Sang-Ui			
	<i>history (event, available, version,</i>						
	SP-05 13/10/1999	1 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
					<i>remarks - this release:</i> TSG#11: Work stopped.		
<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		G: U: yes	<i>MCC:</i> YOON, Sang-Ui			
	<i>history (event, available, version,</i>						
	SP-05 13/10/1999	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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**TR 30.810 Project plan on Security**

Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
SP-05 24/10/1999 1 . 0 . 0

*WG (prime / other):* S2 / - *rapporteur:* PUDNEY, Chris  
*G:* *U:* yes *MCC:* YOON, Sang-Ui

VODAFONE Group Plc

[get it](#) *remarks - general:*  
*remarks - this release:* TSG#11: Work stopped.

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**TR 30.812 Project plan on Services and Service platforms**

Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
SP-05 13/10/1999 1 . 0 . 0

*WG (prime / other):* S2 / - *rapporteur:* SCHMERSEL, Rob  
*G:* *U:* yes *MCC:* YOON, Sang-Ui

CELLPOINT SYSTEMS AB

[get it](#) *remarks - general:*  
*remarks - this release:* 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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**TR 31.900 SIM/USIM internal and external interworking aspects**

Rel-4 *current version:* none  
*freeze\_meeting:* SP-15  
*history (event, available, version,*  
TP-15 28/03/2002 4 . 0 . 0 TP-16: withdrawn; only Rel-5 remains  
valid.

*WG (prime / other):* T3 / *rapporteur:* KALINER, Stefan  
*G:* *U:* yes *MCC:* DIETZE, Claus

T-MOBILE DEUTSCHLAND

[get it](#) *remarks - general:*  
*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 3G Performance Management**

Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
SP-11 28/03/2001 4 . 0 . 0 withdrawn SP-12

*WG (prime / other):* S5 / - *rapporteur:* HÜBINETTE, Ulf  
*G:* *U:* yes *MCC:* ZOICAS, Adrian

Telefon AB LM Ericsson

[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,*  
SP-06 17/12/1999 0 . 0 . 1 [get it](#) *remarks - general:*  
SP-08 23/06/2000 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 28/09/2000 0 . 0 . 3 [get it](#)  
draft 10/10/2000 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:* U: yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
SP-11 28/03/2001 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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## TS 32.106-2 Telecommunication management; Configuration Management (CM); Part 2: Notification Integration Reference Point (IRP): Information Service

Rel-4 *current version:* none *WG (prime / other):* S5 / - *rapporteur:* TSE, Edwin Ericsson Incorporated  
*freeze\_meeting:* SP-12 *G:* U: yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
*remarks - general:* TSG#8: split into eight parts  
*remarks - this release:* SP-12: withdrawn.

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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)

Rel-4 *current version:* solution set none *WG (prime / other):* S5 / - *rapporteur:* TSE, Edwin  
Ericsson Incorporated  
*freeze\_meeting:* SP-12 *G:* U: yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
*remarks - general:* TSG#8: split into eight parts  
*remarks - this release:* SP-12: withdrawn.

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## TS 32.106-4 Telecommunication management; Configuration Management (CM); Part 4: Notification Integration Reference Point (IRP); Common Management Information Protocol (CMIP)

Rel-4 *current version:* none *WG (prime / other):* S5 / - *rapporteur:* POLLAKOWSKI, Olaf SIEMENS AG  
*freeze\_meeting:* SP-12 *G:* U: yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
*remarks - general:* TSG#8: split into eight parts  
*remarks - this release:* SP-12: withdrawn.

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<b>TS 32.106-5</b>	<b>Telecommunication management; Configuration Management (CM); Part 5: Basic Configuration Management Integration Reference Point (IRP): Information model (including Rel-4 current version: Network Resource Model NRM))</b>	none	<i>WG (prime / other):</i>	S5	/-	<i>rapporteur:</i>	TOVINGER, Thomas
	Telefon AB LM Ericsson						
	<i>freeze_meeting:</i> SP-12	G:	<i>U:</i> yes	<i>MCC:</i>			ZOICAS, Adrian
	<i>history (event, available, version,</i>						
				<i>remarks - general:</i>			TSG#8: split into eight parts
				<i>remarks - this release:</i>			SP-12: withdrawn.
<b>TS 32.106-6</b>	<b>Telecommunication management; Configuration Management (CM); Part 6: Basic Configuration Management Integration Reference Point (IRP): Common Object Request Broker Rel-4 current version: Architecture (CORBA) solution set</b>	none	<i>WG (prime / other):</i>	S5	/-	<i>rapporteur:</i>	ZHOU, Di SIEMENS AG
	Telefon AB LM Ericsson						
	<i>freeze_meeting:</i> SP-12	G:	<i>U:</i> yes	<i>MCC:</i>			ZOICAS, Adrian
	<i>history (event, available, version,</i>						
				<i>remarks - general:</i>			TSG#8: split into eight parts
				<i>remarks - this release:</i>			SP-12: withdrawn.
<b>TS 32.106-7</b>	<b>Telecommunication management; Configuration Management (CM); Part 7: Basic Configuration Management Integration Reference Point (IRP): Common Management Information Rel-4 current version: Protocol (CMIP) solution set</b>	none	<i>WG (prime / other):</i>	S5	/-	<i>rapporteur:</i>	POLLAKOWSKI, Olaf
	SIEMENS AG						
	<i>freeze_meeting:</i> SP-12	G:	<i>U:</i> yes	<i>MCC:</i>			ZOICAS, Adrian
	<i>history (event, available, version,</i>						
				<i>remarks - general:</i>			TSG#8: split into eight parts
				<i>remarks - this release:</i>			SP-12: withdrawn.
<b>TS 32.106-8</b>	<b>Telecommunication management; Configuration Management (CM); Part 8: Name convention for Managed Objects</b>		<i>WG (prime / other):</i>	S5	/-	<i>rapporteur:</i>	TOVINGER, Thomas Telefon AB LM Ericsson
	Rel-4 current version: none						
	<i>freeze_meeting:</i> SP-11	G:	<i>U:</i> yes	<i>MCC:</i>			ZOICAS, Adrian
	<i>history (event, available, version,</i>						
	SP-11 28/03/2001 4 . 0 . 0						
				<i>remarks - general:</i>			TSG#8: split into eight parts
				<i>remarks - this release:</i>			SP-12: withdrawn. See 32.600.
<b>TS 32.111</b>	<b>3G Fault Management</b>		<i>WG (prime / other):</i>	S5	/-	<i>rapporteur:</i>	CICCHITTO, Gaetano SIEMENS Mobile Communications S.p.A.
	Rel-4 current version: none						
	<i>freeze_meeting:</i> SP-11	G:	<i>U:</i> yes	<i>MCC:</i>			ZOICAS, Adrian
	<i>history (event, available, version,</i>						
	SP-11 28/03/2001 4 . 0 . 0						
				<i>remarks - general:</i>			TSG#8: split into 4 parts
				<i>remarks - this release:</i>			.

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<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	current version: solution set	none	WG (prime / other): S5	/-	rappporteur: SCHEER, Randal	Lucent
Technologies								
	freeze_meeting: SP-11			G:	U: yes	MCC:	ZOICAS, Adrian	
	history (event, available, version, SP-12 18/06/2001 2 . 0 . 0							<a href="#">get it</a> remarks - general: Replaces 32.106-3 SP-12: stopped. See 32.303. remarks - this release: .
<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	current version: none	WG (prime / other): S5	/-	rappporteur: POLLAKOWSKI, Olaf	SIEMENS AG	
	freeze_meeting:			G:	U: yes	MCC:	ZOICAS, Adrian	
	history (event, available, version, SP-12 18/06/2001 2 . 0 . 0							<a href="#">get it</a> remarks - general: Replaces 32.106-4 SP-12: stopped. See 32..304. remarks - this release: .
<b>TS 32.312-1</b>	<b>Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements</b>	Rel-4	current version: none	WG (prime / other): S5	/	rappporteur: N, A		Indicate persons who left Company and wait for new One
	freeze_meeting: SP-11			G: yes	U: yes	MCC:	ZOICAS, Adrian	
	history (event, available, version,							remarks - general: -> 32.111 remarks - this release: .
<b>TS 32.402</b>	<b>Telecommunication management; Performance Management (PM); Performance measurements - GSM</b>	Rel-4	current version: none	WG (prime / other): S5	/-	rappporteur: NENNER, Karl-Heinz	T-MOBILE DEUTSCHLAND	
	freeze_meeting:			G: yes	U:	MCC:	ZOICAS, Adrian	
	history (event, available, version, SP-12 21/06/2001 1 . 0 . 0							<a href="#">get it</a> remarks - general: was 32.104 (pars). SP-13: replaced by 52.402. <a href="#">get it</a> remarks - this release:
	SP-13 11/10/2001 2 . 0 . 0		SP-010467 approved as 52.042					
<b>TS 32.601-1</b>	<b>Telecommunication management; Configuration Management (CM); Part 1: Basic CM Integration Reference Point (IRP): requirements</b>	Rel-4	current version: none	WG (prime / other): S5	/-	rappporteur: WILBER, John		
	freeze_meeting:			G: yes	U: yes	MCC:	ZOICAS, Adrian	
	history (event, available, version, SP-12 18/06/2001 2 . 0 . 0							<a href="#">get it</a> remarks - general: Replaces 32.106 (pars). SP-12: stopped. See 32.601. remarks - this release: .

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<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	current version: none	WG (prime / other): S5 / -	rporteur: TOVINGER, Thomas	Telefon AB LM Ericsson
	freeze_meeting:			G: yes U: yes	MCC: ZOICAS, Adrian	
	history (event, available, version,					
	SP-12 18/06/2001 2 . 0 . 0			<a href="#">get it</a>	remarks - general: Replaces 32.106-5 (pars) SP-12: stopped. See 32.602.	remarks - this release: .
<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	current version: solution set	WG (prime / other): S5	/- rporteur: POLLAKOWSKI, Olaf	
	SIEMENS AG			G: yes U: yes	MCC: ZOICAS, Adrian	
	freeze_meeting:					
	history (event, available, version,					
	SP-12 18/06/2001 2 . 0 . 0			<a href="#">get it</a>	remarks - general: Replaces 32.106-6 (pars) SP-12: stopped. See 32.603.	remarks - this release: .
<hr/>						
<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	current version: none	WG (prime / other): S5 / -	rporteur: TOVINGER, Thomas	Telefon AB LM Ericsson
	freeze_meeting:			G: U: yes	MCC: ZOICAS, Adrian	
	history (event, available, version,					
	SP-12 18/06/2001 2 . 0 . 0			<a href="#">get it</a>	remarks - general: Replaces 32.107 (pars) SP-12: stopped. See 32.604.	remarks - this release: .
<hr/>						
<b>TS 32.602-1</b>	<b>Telecommunication management; Configuration Management (CM); CMt: Bulk CM Integration Reference Point (IRP) requirements</b>	Rel-4	current version: none	WG (prime / other): S5 /	rporteur: N, A	Indicate persons who left Company and wait for new One
	freeze_meeting:			G: U: yes	MCC: ZOICAS, Adrian	
	history (event, available, version,					
	SP-12 18/06/2001 2 . 0 . 0			<a href="#">get it</a>	remarks - general: SP-12: stopped. See 32.611.	remarks - this release: .
<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	current version: none	WG (prime / other): S5 /	rporteur: N, A	Indicate persons who left Company and wait for new One
	freeze_meeting:			G: U: yes	MCC: ZOICAS, Adrian	
	history (event, available, version,					
	SP-12 18/06/2001 2 . 0 . 0			<a href="#">get it</a>	remarks - general: SP-12: stopped. See 32.612.	remarks - this release: .

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<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: Architecture (CORBA) solution set</i>	none	<i>WG (prime / other):</i>	S5	<i>/ rapporteur:</i>	BONNEAU, Frédéric
			<i>freeze_meeting:</i>	G:	U: yes	MCC:	ZOICAS, Adrian	
			<i>history (event, available, version, SP-12 18/06/2001 2 . 0 . 0</i>		<a href="#">get it</a>	<i>remarks - general:</i>	SP-12: stopped. See 32.613.	<i>remarks - this release:</i> .
<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: Protocol (CMIP) solution set</i>	none	<i>WG (prime / other):</i>	S5	<i>/ rapporteur:</i>	POLLAKOWSKI, Olaf
			<i>freeze_meeting:</i>	G:	U: yes	MCC:	ZOICAS, Adrian	
			<i>history (event, available, version, SP-12 18/06/2001 2 . 0 . 0</i>		<a href="#">get it</a>	<i>remarks - general:</i>	SP-12: stopped. See 32.614.	<i>remarks - this release:</i> .
<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: none</i>		<i>WG (prime / other):</i>	S5 /	<i>rapporteur:</i>	N, A
			<i>freeze_meeting:</i>	G:	U: yes	MCC:	ZOICAS, Adrian	Indicate persons who left Company and wait for new One
			<i>history (event, available, version, SP-12 18/06/2001 2 . 0 . 0</i>		<a href="#">get it</a>	<i>remarks - general:</i>	SP-12: stopped. See 32.615.	<i>remarks - this release:</i> .
<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: none</i>		<i>WG (prime / other):</i>	S5 / -	<i>rapporteur:</i>	PIRT, Trevor
			<i>freeze_meeting:</i>	G: yes	U: yes	MCC:	ZOICAS, Adrian	MOTOROLA Ltd
			<i>history (event, available, version, SP-12 18/06/2001 2 . 0 . 0</i>		<a href="#">get it</a>	<i>remarks - general:</i>	Replaces 32.106 (pars).SP-12: stopped. See 32.621.	<i>remarks - this release:</i> .
<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: none</i>		<i>WG (prime / other):</i>	S5 / -	<i>rapporteur:</i>	TOVINGER, Thomas
			<i>freeze_meeting:</i>	G: yes	U: yes	MCC:	ZOICAS, Adrian	Telefon AB LM Ericsson
			<i>history (event, available, version, SP-12 18/06/2001 2 . 0 . 0</i>		<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> .

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<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: Architecture (CORBA) solution set</i>	none	<i>WG (prime / other):</i>	S5	/-	<i>rapporteur:</i>	POLLAKOWSKI, Olaf
	SIEMENS AG								
	<i>freeze_meeting:</i>			G: yes	U: yes		MCC:		ZOICAS, Adrian
	<i>history (event, available, version,</i>								
	SP-12 18/06/2001 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: Protocol (CMIP) solution set</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		MCC:		ZOICAS, Adrian
	<i>history (event, available, version,</i>								
	SP-12 18/06/2001 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>		.
<hr/>									
<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: none</i>		<i>WG (prime / other):</i>	S5 / -		<i>rapporteur:</i>	PIRT, Trevor MOTOROLA Ltd
	<i>freeze_meeting:</i>			G:	U: yes		MCC:		ZOICAS, Adrian
	<i>history (event, available, version,</i>								
	SP-12 18/06/2001 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: none</i>		<i>WG (prime / other):</i>	S5 / -		<i>rapporteur:</i>	TOVINGER, Thomas Telefon AB LM Ericsson
	<i>freeze_meeting:</i>			G: yes	U: yes		MCC:		ZOICAS, Adrian
	<i>history (event, available, version,</i>								
	SP-12 18/06/2001 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: Architecture (CORBA) solution set</i>	none	<i>WG (prime / other):</i>	S5	/-	<i>rapporteur:</i>	POLLAKOWSKI, Olaf
	SIEMENS AG								
	<i>freeze_meeting:</i>			G: yes	U: yes		MCC:		ZOICAS, Adrian
	<i>history (event, available, version,</i>								
	SP-12 18/06/2001 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>		.

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

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Server WITHDRAWN specs Rel-4 32 .- series  
[http://www.3gpp.org/ftp/Specs/archive/32\\_series](http://www.3gpp.org/ftp/Specs/archive/32_series)

<b>TS 32.621-4</b>	<b>Telecommunication management; Configuration Management (CM); Part 4: Core network resources Integration Reference Point (IRP): Common Management Information Protocol</b>	Rel-4	current version: (CMIP) solution set	none	WG (prime / other):	S5	/-	rapporteur:	TOVINGER, Thomas	Telefon AB LM Ericsson
	freeze_meeting:			G: yes	U: yes	MCC:			ZOICAS, Adrian	
	history (event, available, version, SP-12	18/06/2001	2 . 0 . 0		<a href="#">get it</a>	remarks - general:	Replaces 32.107 (pars) SP-12: stopped. See 32.634.	remarks - this release:	.	
<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	current version: none	WG (prime / other):	S5 / -	rapporteur:	PIRT, Trevor	MOTOROLA Ltd		
	freeze_meeting:			G:	U: yes	MCC:	ZOICAS, Adrian			
	history (event, available, version, SP-12	18/06/2001	2 . 0 . 0		<a href="#">get it</a>	remarks - general:	Replaces 32.106 (pars).SP-12: stopped. See 32.641.	remarks - this release:	.	
<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	current version: none	WG (prime / other):	S5 / -	rapporteur:	TOVINGER, Thomas	Telefon AB LM Ericsson		
	freeze_meeting:			G:	U: yes	MCC:	ZOICAS, Adrian			
	history (event, available, version, SP-12	18/06/2001	2 . 0 . 0		<a href="#">get it</a>	remarks - general:	Replaces 32.106-5 (pars) SP-12: stopped. See 32.642.	remarks - this release:	.	
<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	current version: Architecture (CORBA) solution set	none	WG (prime / other):	S5	/-	rapporteur:	POLLAKOWSKI, Olaf	SIEMENS AG
	freeze_meeting:			G:	U: yes	MCC:	ZOICAS, Adrian			
	history (event, available, version, SP-12	18/06/2001	2 . 0 . 0		<a href="#">get it</a>	remarks - general:	Replaces 32.106-6 (pars) SP-12: stopped. See 32.643.	remarks - this release:	.	
<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	current version: Protocol (CMIP) solution set	none	WG (prime / other):	S5	/-	rapporteur:	TOVINGER, Thomas	Telefon AB LM Ericsson
	freeze_meeting:			G:	U: yes	MCC:	ZOICAS, Adrian			
	history (event, available, version, SP-12	18/06/2001	2 . 0 . 0		<a href="#">get it</a>	remarks - general:	Replaces 32.107 (pars) SP-12: stopped. See 32.644.	remarks - this release:	.	

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<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	current version: none	WG (prime / other): S5 / -	rapporteur: PIRT, Trevor	MOTOROLA Ltd
	freeze_meeting:	G: yes	U: yes	MCC: ZOICAS, Adrian		
	history (event, available, version, SP-12 18/06/2001 2 . 0 . 0	<a href="#">get it</a>	remarks - general:	Replaces 32.106 (pars).SP-12: stopped. See 32.651.		
			remarks - this release:	.		
<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	current version: none	WG (prime / other): S5 / -	rapporteur: TOVINGER, Thomas	Telefon AB LM Ericsson
	freeze_meeting:	G: yes	U:	MCC: ZOICAS, Adrian		
	history (event, available, version, SP-12 18/06/2001 2 . 0 . 0	<a href="#">get it</a>	remarks - general:	Replaces 32.106-5 (pars) SP-12: stopped. See 32.652.		
			remarks - this release:	.		
<hr/>						
<b>TS 32.623-3</b>	<b>Telecommunication management; Configuration Management (CM); Part 3: GERAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set</b>	Rel-4	current version: none	WG (prime / other): S5 / -	rapporteur: POLLAKOWSKI, Olaf	SIEMENS AG
	freeze_meeting:	G: yes	U:	MCC: ZOICAS, Adrian		
	history (event, available, version, SP-12 18/06/2001 2 . 0 . 0	<a href="#">get it</a>	remarks - general:	Replaces 32.106-6 (pars) SP-12: stopped. See 32.653.		
			remarks - this release:	.		
<hr/>						
<b>TS 32.623-4</b>	<b>Telecommunication management; Configuration Management (CM); Part 4: GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set</b>	Rel-4	current version: none	WG (prime / other): S5 / -	rapporteur: TOVINGER, Thomas	Telefon AB LM Ericsson
	freeze_meeting:	G: yes	U:	MCC: ZOICAS, Adrian		
	history (event, available, version, SP-12 18/06/2001 2 . 0 . 0	<a href="#">get it</a>	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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G = required in systems with GERAN acces; U = required in systems with UMTS

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Server WITHDRAWN specs Rel-4 33 .- series  
[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*  
*freeze\_meeting:*  
*history (event, available, version, draft 0 . 3 . 5*

*WG (prime / other):* S3 / - *rapporteur:* ESCOTT, Adrian 3  
*G:* *U:* yes *MCC:* POPE, Maurice

*remarks - general:* 2002-06-26: Item abandoned, since seems unlikely any more work will be done on  
*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*  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* S3 / - *rapporteur:* BROOKSON, Charles DTI - Department of Trade and Industry  
*G:* *U:* yes *MCC:* POPE, Maurice

*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*  
*freeze\_meeting:* SP-11

*WG (prime / other):* S3 / SAG *rapporteur:* VACANT,  
E  
*G:* *U:* yes *MCC:* POPE, Maurice

*history (event, available, version, draft 2 . 0 . 0* only available as  
[http://www.3gpp.org/TB/other/algorithms/KASUMI\\_Eval\\_rep\\_v20.pdf](http://www.3gpp.org/TB/other/algorithms/KASUMI_Eval_rep_v20.pdf)

*remarks - general:* Source: ETSI SAGE.  
*remarks - this release:* SP-15: Not to be promoted to Rel-5. In fact, replaced by 33.908.

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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*  
*freeze\_meeting:* SP-11  
*history (event, available, version, SP-10 03/12/2000 1 . 0 . 0*

*WG (prime / other):* SP / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
*G:* yes *U:* *MCC:* POPE, Maurice

[get it](#) *remarks - general:* ->41.102, renumbered at TSG#10.  
*remarks - this release:* ->41.102

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Server WITHDRAWN specs Rel-4 41 .- series  
[http://www.3gpp.org/ftp/Specs/archive/41\\_series](http://www.3gpp.org/ftp/Specs/archive/41_series)

## TS 41.102 GSM Release 4 specifications

Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* SP / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
*G: yes U:* *MCC:* POPE, Maurice

*remarks - general:* Né 41.001; renumbered at TSG#10. SP-20: Superseded by 41.101 Rel-4.  
*remarks - this release:* SP-20: Superseded by 41.101 Rel-4.

SP-10 1 . 0 . 0  
SP-10 04/01/2001 1 . 0 . 1  
SP-11 11/04/2001 4 . 0 . 0  
SP-12 05/07/2001 4 . 1 . 0  
SP-13 01/10/2001 4 . 2 . 0  
SP-14 03/01/2002 4 . 3 . 0  
SP-15 27/03/2002 4 . 4 . 0  
SP-16 19/06/2002 4 . 5 . 0  
post SP-16 25/06/2002 4 . 5 . 1  
editorial  
SP-17 18/09/2002 4 . 6 . 0  
SP-18 03/01/2003 4 . 7 . 0  
SP-19 27/03/2003 4 . 8 . 0  
SP-20 25/06/2003 4 . 9 . 0

withdrawn -> 41.101

[get it](#)  
[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)

## TS 42.031 Fraud Information Gathering System (FIGS); Service description; Stage 1

Rel-4 *current version:* none  
*freeze\_meeting:* SP-11

*WG (prime / other):* S3 / *rapporteur:* WRIGHT, Tim Indicate persons who left Company and wait for new One

*G: yes U:* *MCC:* POPE, Maurice

*history (event, available, version,*  
SP-11 10/04/2001 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.

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

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Server WITHDRAWN specs Rel-4 42 .- series  
[http://www.3gpp.org/ftp/Specs/archive/42\\_series](http://www.3gpp.org/ftp/Specs/archive/42_series)

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**TS 42.032 Immediate Service Termination (IST); Service description; Stage 1**  
Rel-4 *current version: none* *freeze\_meeting: SP-11* WG (prime / other): S3 / rapporteur: WRIGHT, Tim Indicate persons who left Company and wait for new One  
G: yes U: MCC: POPE, Maurice  
*history (event, available, version, SP-11 10/04/2001 4 . 0 . 0* [get it](#) *remarks - general: SP-16: withdrawn in fav our 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* *freeze\_meeting: SP-11* WG (prime / other): T3 / S3 rapporteur: BARNES, Nigel MOTOROLA Ltd  
G: yes U: MCC: DIETZE, Claus  
*history (event, available, version, TP-11 09/04/2001 4 . 0 . 0* [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* *freeze\_meeting: SP-11* WG (prime / other): S4 / rapporteur: NAVARRO, William NORTEL NETWORKS (EUROPE)  
G: yes U: MCC: USAI, Paolino  
*history (event, available, version,* *remarks - general: Scrapped - see 22.053, Rel-4 onwards.*  
*remarks - this release:*

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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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**TS 43.031 Fraud Information Gathering System (FIGS); Service description; Stage 2**  
Rel-4 *current version: none* *freeze\_meeting: SP-11* WG (prime / other): S3 / - rapporteur: WRIGHT, Tim Indicate persons who left Company and wait for new One  
G: yes U: MCC: POPE, Maurice  
*history (event, available, version, SP-11 10/04/2001 4 . 0 . 0* [get it](#) *remarks - general: SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 &*  
*remarks - this release: SP-18: decided FIGS is joint GERAN/UTRAN so -> 23.031. Rel-5 -> 23.031.*

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Server WITHDRAWN specs Rel-4 43 .- series  
[http://www.3gpp.org/ftp/Specs/archive/43\\_series](http://www.3gpp.org/ftp/Specs/archive/43_series)

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**TS 43.071 Location Services (LCS); Functional description; Stage 2 (GSM)**

Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
SP-11

4 . 0 . 0

*WG (prime / other):* S2 / - *rapporteur:* BROOK, Richard  
*G: yes U:* *MCC:* YOON, Sang-Ui

SAMSUNG Electronics Research Institute

*remarks - general:* Superseded by 23.271 Rel-4.  
*remarks - this release:* 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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**TS 44.008 Mobile radio interface layer 3 specification**

Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

NP-11 11/04/2001 4 . 0 . 0 withdrawn NP-15

*WG (prime / other):* N1 / G2 *rapporteur:* HOWELL, Andrew  
*G: yes U:* *MCC:* JORGENSEN, Per Johan

MOTOROLA Ltd

[get it](#) *remarks - general:*  
*remarks - this release:* withdrawn at NP-15.

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**TS 44.063 Packet Data on Signalling channels Service (PDS) Service Description, Stage 3**

Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

NP-11 11/04/2001 4 . 0 . 0

*WG (prime / other):* N1 / - *rapporteur:* JACOBSON, Dieter  
*G: yes U:* *MCC:* JORGENSEN, Per Johan

T-MOBILE DEUTSCHLAND

[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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Server WITHDRAWN specs Rel-4 48 .- series  
[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,* *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 MOTOROLA A/S  
*freeze\_meeting:* Peter Skov  
G: yes U: *MCC:* JORGENSEN, Per Johan  
*history (event, available, version,* *remarks - general:* 2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to  
*remarks - this release:* . latest Release version. 2002-05-07 (Hietalahti): Scrapped in favour of 29.994  
handling both "GSM" and "UMTS" problems.

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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,* *remarks - general:*  
*remarks - this release:* 2001-April:Clayton: stopped.

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Server WITHDRAWN specs Rel-4 50 .- series  
[http://www.3gpp.org/ftp/Specs/archive/50\\_series](http://www.3gpp.org/ftp/Specs/archive/50_series)

<b>TS 50.056</b>	<b>Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1</b>					
Rel-4	<i>current version:</i> none	WG (prime / other): S2 / -	<i>rapporteur:</i> GALLIGO, Michel	ALCATEL S.A.		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> YOON, Sang-Ui			
	<i>history (event, available, version, SP-11</i>	4 . 0 . 0	not to be produced			
					<i>remarks - general:</i> Apr 2001 - Sultan:no Rel-4 will exist	
					<i>remarks - this release:</i> Apr 2001 - Sultan:no Rel-4 will exist Jun 2001: confirmed, so withdrawn.	
<b>TS 50.089</b>	<b>GSM to other Systems Handover and Cell Selection/Reselection; Project scheduling and open issues;</b>					
Rel-4	<i>current version:</i> none	WG (prime / other): GP / -	<i>rapporteur:</i> ISAACS, Ken	SIEMENS AG		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
					<i>remarks - general:</i>	
					<i>remarks - this release:</i> Usai Apr-2001: will never be produced.	
<b>TR 50.099</b>	<b>GERAN project plan and open issues</b>					
Rel-4	<i>current version:</i> none	WG (prime / other): GP / -	<i>rapporteur:</i> BLADSSJO, David	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	draft 09/10/2000	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 06/11/2000	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 Rel-5.	
GP-12: Rel-5 frozen, so draft moved to Rel-6.						
	draft 02/04/2000	0 . 0 . 2	<a href="#">get it</a>		numbered and were not subsequent at all, so do not appear in history; latest draft	
	draft 08/05/2000	0 . 0 . 3	<a href="#">get it</a>		is ex GERAN#4 = 006. 2002-01-23: Usai indicates "stopped".	
	draft 28/05/2000	0 . 0 . 4	<a href="#">get it</a>			
GP-04	10/05/2000	0 . 0 . 6	<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 12/04/2002	0 . 0 . 15	<a href="#">get it</a>			
GP-09	22/04/2002	0 . 0 . 16	<a href="#">get it</a>			
	draft 17/09/2002	0 . 0 . 20	<a href="#">get it</a>			
GP-12	26/11/2002	0 . 23 . 0	<a href="#">get it</a>			

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

Rel-4 52 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/52\\_series](http://www.3gpp.org/ftp/Specs/archive/52_series)

## TS 52.071 Location Services (LCS); Location services (LCS) management

Rel-4 *current version:* none *WG (prime / other):* S5 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*freeze\_meeting:* SP-11 *G:* yes *U:* *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
SP-11 28/03/2001 4 . 0 . 0 *withdrawn SP-13* [get it](#) *remarks - general:*  
SP-13 03/10/2001 4 . 1 . 0 *This is the version declaring itself to be* [get it](#) *remarks - this release:* SP-13: withdrawn - see SP-010472.  
*withdrawn. A sort of non-version.*  
*Anti-bootstrapping (autointerment?)*

## 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 *WG (prime / other):* S1 / - *rapporteur:* GILES, Les Union Internationale des Chemins de Fer  
*freeze\_meeting:* *G:* yes *U:* *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
smg-32 20/06/2000 9 . 0 . 0 [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 *WG (prime / other):* S1 / - *rapporteur:* GILES, Les Union Internationale des Chemins de Fer  
*freeze\_meeting:* *G:* yes *U:* *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
smg-32 20/06/2000 9 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #32:9.0.0 (based on CR to 8.0.0) ->42.068v4.0.0

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

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Server WITHDRAWN specs R00 03 .- series  
[http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

R00 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

WG (prime / other): S3 / NP / rapporteur: NGUYEN NGOC, France Telecom  
GP  
G: yes U: MCC: POPE, Maurice

history (event, available, version,  
smg-32 16/01/2001 9 . 0 . 0

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

## TS 03.51 GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2

R00 current version: none  
freeze\_meeting:

WG (prime / other): G1 / - rapporteur: SÉBIRE, Guillaume NOKIA Corporation  
G: yes U: MCC: USAI, Paolino

history (event, available, version,

remarks - general: -> 43.051  
remarks - this release: .

## TS 03.59 Location services (LCS) GERAN; Stage 2

R00 current version: none  
freeze\_meeting:

WG (prime / other): G1 / - rapporteur: LIVINGSTON, Margaret NOKIA Corporation  
G: yes U: MCC: USAI, Paolino

history (event, available, version,  
draft 30/05/2000 0 . 0 . 1

[get it](#) remarks - general:  
remarks - this release: replaced by 43.059

## TS 03.68 Voice Group Call Service (VGCS); Stage 2

R00 current version: none  
freeze\_meeting:

WG (prime / other): N1 / - rapporteur: GARAPATY, Sonia Nortel Networks (USA)  
G: yes U: MCC: JORGENSEN, Per Johan

history (event, available, version,  
smg-32 20/06/2000 9 . 0 . 0

[get it](#) remarks - general:  
remarks - this release: #32:9.0.0 TSG#8:9.0.0->43.068v4.0.0

## TS 03.69 Voice Broadcast service (VBS); Stage 2

R00 current version: none  
freeze\_meeting:

WG (prime / other): N1 / - rapporteur: MÜNNING, Dirk DETECON GMBH  
G: yes U: MCC: JORGENSEN, Per Johan

history (event, available, version,  
smg-30 20/06/2000 9 . 0 . 0

[get it](#) remarks - general:  
remarks - this release: #32:9.0.0 TSG#8:9.0.0->43.069v4.0.0

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

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[http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

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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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**TS 04.18 Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol**

R00 *current version:* none  
*freeze\_meeting:*  
*history (event, available, version,*  
smg-32 20/06/2000 9 . 0 . 0

*WG (prime / other):* G2 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*G: yes U:* *MCC:* THOMASEN, Gert

[get it](#) *remarks - general:*  
*remarks - this release:* Aug00: replaced by 44.018

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**TS 04.68 Group Call Control (GCC) Protocol**

R00 *current version:* none  
*freeze\_meeting:*  
*history (event, available, version,*  
smg-32 20/06/2000 9 . 0 . 0 >44.069v4.0.0

*WG (prime / other):* N1 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*G: yes U:* *MCC:* JORGENSEN, Per Johan

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

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**TS 04.69 Broadcast Call Control (BCC) protocol**

R00 *current version:* none  
*freeze\_meeting:*  
*history (event, available, version,*  
smg-32 20/06/2000 9 . 0 . 0 ->44.069v4.0.0

*WG (prime / other):* N1 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*G: yes U:* *MCC:* JORGENSEN, Per Johan

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

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

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Server WITHDRAWN specs R00 08 .- series  
[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  
*freeze\_meeting:*

*WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
*G:* yes *U:* *MCC:* THOMASEN, Gert

*history (event, available, version,*

smg-29	30/06/1999	8	.	0	.	0
smg-30	11/11/1999	8	.	1	.	0
smg-30b	06/12/1999	8	.	2	.	0
smg-31	16/02/2000	8	.	3	.	0
smg-31b	17/04/2000	8	.	4	.	0
Fix graphics	16/05/2000	8	.	4	.	1
smg-32	20/06/2000	8	.	5	.	0
smg-32	20/06/2000	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](#)  
[get it](#)  
[get it](#)  
[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  
*freeze\_meeting:*

*WG (prime / other):* - / *rapporteur:* MUELLER, Frank Telefon AB LM Ericsson  
*G:* yes *U:* *MCC:* N, A

*history (event, available, version,*

draft (as 10.99)	30/05/2000	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)

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

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[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* WG (prime / other): G3ne / S1 / rapporteur: SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* NP / T2 / SCP  
G: yes U: MCC: CLAYTON, Michael  
*history (event, available, version,*  
smg-32 20/06/2000 9 . 0 . 0 [get it](#) *remarks - general:* R99 version now serves all releases. Earlier releases closed.. Subsequently  
edito 12/07/2000 9 . 0 . 1 [get it](#) *remarks - this release:* #32:9.0.0->51.010-1v4.0.1 replaced 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* WG (prime / other): G3ne / S1 / rapporteur: SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* NP / T2 / SCP  
G: yes U: MCC: CLAYTON, Michael  
*history (event, available, version,*  
smg-32 20/06/2000 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* WG (prime / other): R3 / - rapporteur: PARK, Jin Hyo SK TELECOM  
*freeze\_meeting:* G: U: yes MCC: KRAUSE, Joern  
*history (event, available, version,*  
draft 15/08/2000 0 . 0 . 1 [get it](#) *remarks - general:*  
RP-10 21/09/2000 0 . 1 . 0 RP-000642 [get it](#) *remarks - this release:* -> Rel-4

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



## 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,*  
smg-30 11/11/1999 8 . 0 . 0 SP-15: withdrawn since SMG and [get it](#) *remarks - general:*  
PT-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:* MESSIET, Samira ALCATEL S.A.  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* CLAYTON, Michael  
*history (event, available, version,*  
Withdrawn 16/11/2000 8 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* CTS is dead duck

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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,*  
smg-28 12/02/1999 8 . 0 . 0 [get it](#) *remarks - general:*  
smg-29 25/06/1999 8 . 1 . 0 [get it](#) *remarks - this release:* TSG#6: ->3G  
smg-30 25/10/2001 8 . 2 . 0 [get it](#)  
ETSI publication 30/10/2001 8 . 2 . 1 [get it](#)

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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>freeze_meeting:</i> SP-06	<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,</i> Upgrade to R99 14/02/2000 8 . 0 . 0 ETSI publication 05/06/2001 8 . 0 . 1	G: yes U:	<i>MCC:</i> POPE, Maurice						
		<a href="#">get it</a>	<i>remarks - general:</i>						
		<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>freeze_meeting:</i> SP-06	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> KOKKOLA, Tommi	NOKIA Corporation					
	<i>history (event, available, version,</i> smg-28 12/02/1999 8 . 0 . 0 smg-29 25/06/1999 8 . 1 . 0 withdrawn -> 22.034	G: yes U:	<i>MCC:</i> CLAYTON, Michael						
		<a href="#">get it</a>	<i>remarks - general:</i>						
		<a href="#">get it</a>	<i>remarks - this release:</i>						
<hr/>									
<b>TS 02.38</b>	<b>SIM application toolkit (SAT); Stage 1</b>								
R99	<i>current version:</i> none <i>freeze_meeting:</i> SP-06	<i>WG (prime / other):</i> S1 / SCP	<i>rapporteur:</i> CARPENTER, Paul	Research In Motion Limited					
	<i>history (event, available, version,</i>	G: yes U:	<i>MCC:</i> CLAYTON, Michael						
			<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>freeze_meeting:</i> SP-06	<i>WG (prime / other):</i> S1 / NP	<i>rapporteur:</i> DWYER, Paul	NORTEL NETWORKS (EUROPE)					
	<i>history (event, available, version,</i> smg-30 11/11/1999 8 . 0 . 0 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.	G: yes U:	<i>MCC:</i> CLAYTON, Michael						
		<a href="#">get it</a>	<i>remarks - general:</i>						
			<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>freeze_meeting:</i> SP-06	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> GILES, Les	Union Internationale des Chemins de Fer					
	<i>history (event, available, version,</i> smg-29 25/06/1999 8 . 0 . 0 withdrawn -> 22.042	G: yes U:	<i>MCC:</i> CLAYTON, Michael						
		<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

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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:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	smg-29 25/06/1999 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:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	smg-28 12/02/1999 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-29 25/06/1999 8 . 1 . 0	<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:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	smg-29 25/06/1999 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> EVEN, Anne	France Telecom		
	<i>freeze_meeting:</i> SP-06	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	smg-28 12/02/1999 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> SLOTTE, Sverre	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-06	G: yes U:	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>					
	smg-28 12/02/1999 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

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**TS 02.94 Follow Me Service description; Stage 1**  
 R99 *current version: none*  
*freeze\_meeting: SP-06*  
*history (event, available, version,*  
 smg-28 1 . 0 . 0  
 smg-30 11/11/1999 8 . 0 . 0 Withdrawn wef SP-21  
 GSM/UMTS spec, 22.094.

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

[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. 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*  
*freeze\_meeting: SP-06*  
*history (event, available, version,*  
 Upgrade to R99 30/06/2000 8 . 0 . 0

*WG (prime / other):* S2 / NP *rapporteur:* GAASVIK, Per-Ola COMVIQ GSM AB  
*G: yes U:* *MCC:* YOON, Sang-Ui

[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*  
*freeze\_meeting: SP-06*  
*history (event, available, version,*  
 Upgrade to R99 30/06/2000 8 . 0 . 0 SP-18: withdrawn  
 in 43.031. SP-18: in fact, in 23.031.

*WG (prime / other):* S3 / - *rapporteur:* WRIGHT, Tim Indicate persons who left Company and wait for new  
 One  
*G: yes U:* *MCC:* POPE, Maurice

[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

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**TS 03.35 Immediate Service Termination (IST); Stage 2**  
 R99 *current version: none*  
*freeze\_meeting: SP-06*  
*history (event, available, version,*  
 Upgrade to R99 30/06/2000 8 . 0 . 0  
 SP-11 04/04/2001 8 . 1 . 0

*WG (prime / other):* S3 / - *rapporteur:* WRIGHT, Tim Indicate persons who left Company and wait for new  
 One  
*G: yes U:* *MCC:* POPE, Maurice

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* SP-16: withdrawn in favour of 23.035 R99.

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

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<b>TR 03.43</b>	<b>Support of Videotex</b>								
R99	<i>current version:</i> none			<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> DI TRIA, Paolo	Telecom Italia Lab S.p.A.			
	<i>freeze_meeting:</i> SP-06			G: yes U:	<i>MCC:</i> RODERMUND, Friedhelm				
	<i>history (event, available, version,</i>								
	frozen at v7 20/11/2000	8	.	0	.	0			
	(withdrawn)				<a href="#">get it</a>	<i>remarks - general:</i>			
						<i>remarks - this release:</i> Frozen at v7			
<hr/>									
<b>TR 03.44</b>	<b>Support of Teletex in a GSM Public Land Mobile Network (PLMN)</b>								
R99	<i>current version:</i> none			<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> RODERMUND, Friedhelm	Vodafone D2 GmbH			
	<i>freeze_meeting:</i> SP-06			G: yes U:	<i>MCC:</i> RODERMUND, Friedhelm				
	<i>history (event, available, version,</i>								
	Upgrade to R99 30/06/2000	8	.	0	.	0			
					<a href="#">get it</a>	<i>remarks - general:</i>			
						<i>remarks - this release:</i> Sticks at v7			
<hr/>									
<b>TR 03.47</b>	<b>Example Protocol Stacks for Interconnecting Service Centre(s) (SC) and Mobile Services Switching Centre(s) (MSC)</b>								
R99	<i>current version:</i> none			<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> RODERMUND, Friedhelm	Vodafone D2 GmbH			
	<i>freeze_meeting:</i> SP-06			G: yes U:	<i>MCC:</i> RODERMUND, Friedhelm				
	<i>history (event, available, version,</i>								
	Upgrade to R99 30/06/2000	8	.	0	.	0			
					<a href="#">get it</a>	<i>remarks - general:</i>			
						<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>								
R99	<i>current version:</i> none			<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> RODERMUND, Friedhelm	Vodafone D2 GmbH			
	<i>freeze_meeting:</i> SP-06			G: yes U:	<i>MCC:</i> RODERMUND, Friedhelm				
	<i>history (event, available, version,</i>								
	Upgrade to R99 30/06/2000	8	.	0	.	0			
					<a href="#">get it</a>	<i>remarks - general:</i>			
						<i>remarks - this release:</i> clamped at v7			
<hr/>									
<b>TS 03.56</b>	<b>GSM Cordless Telephony System (CTS), Phase 1; CTS Architecture Description; Stage 2</b>								
R99	<i>current version:</i> none			<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> ROBERTS, Martin	Nortel			
	<i>freeze_meeting:</i> SP-06			G: yes U:	<i>MCC:</i> YOON, Sang-Ui				
	<i>history (event, available, version,</i>								
	Upgrade to R99 01/05/2000	8	.	0	.	0			
					<a href="#">get it</a>	<i>remarks - general:</i>			
						<i>remarks - this release:</i> Never produced; make do with R98 version.			

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

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Server WITHDRAWN specs R99 03 .- series  
[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,*  
*smg-31 16/02/2000 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.

---

**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,*  
*smg-28 12/02/1999 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)

---

**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 *G:* yes *U:* *MCC:* BOSWARTHICK, David  
*freeze\_meeting:* SP-06  
*history (event, available, version,*  
*smg-29 25/06/1999 8 . 0 . 0 withdrawn* [get it](#) *remarks - general:*  
*remarks - this release:* #29: 8.0.0 (to be deleted, moved to 3GPP)

---

**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,*  
*smg-31 16/02/2000 8 . 0 . 0* [get it](#) *remarks - general:*  
*Editorial correction 27/04/2000 8 . 0 . 1 NP-15 withdrawn* [get it](#) *remarks - this release:* TP-15: proposed to withdraw, since stage 1 (02.63) not promoted to R99.

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

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Server WITHDRAWN specs R99 04 .- series  
[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,*

*WG (prime / other):* - / - *rapporteur:* SWETINA, Joerg  
*G: yes U:* MCC: N, A

SIEMENS AG

*remarks - general:* TF139 proposes to abandon; not needed. USSD does all.  
*remarks - this release:* scrapped whilst still on starting block

---

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,*

*WG (prime / other):* G1 / G2 *rapporteur:* KANGAS, Antti  
*G: yes U:* MCC: USAI, Paolino

NOKIA Corporation

*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.  
Changed from G2 to G1 at same time.  
R99 will 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,*  
smg-29 25/06/1999 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



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Server WITHDRAWN specs R99 07 .- series  
[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,*  
smg-29 25/06/1999 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,*  
smg-29 25/06/1999 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, Vodafone D2 GmbH  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* Friedhelm  
RODERMUND, Friedhelm  
*history (event, available, version,*  
Creation of R99 30/06/2000 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

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,*  
smg-29 25/06/1999 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

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Server WITHDRAWN specs R99 09 .- series  
[http://www.3gpp.org/ftp/Specs/archive/09\\_series](http://www.3gpp.org/ftp/Specs/archive/09_series)

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**TS 09.14 Application of ISUP Version 3 for the ISDN-PLMN (GSM) Signalling**

R99 *current version:* none *WG (prime / other):* SPA / N4 *rapporteur:* SPORTON, Simon VODAFONE Group Plc  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:*  
*history (event, available, version,*  
WITHDRAWN 29/05/2000 8 . 0 . 0

[get it](#) *remarks - general:* EN 302 646  
*remarks - this release:* May00: Possibly no need for an update.

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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**

R99 *current version:* none *WG (prime / other):* N1 / - *rapporteur:* MILLS, Duncan VODAFONE Group Plc  
*freeze\_meeting:* SP-06 *G:* yes *U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version,*  
smg-29 25/06/1999 8 . 0 . 0

[get it](#) *remarks - general:*  
*remarks - this release:* #29: 8.0.0 (to be deleted, moved to 3GPP)

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**TR 09.94 Recommended infrastructure measures to overcome specific Mobile Station (MS) faults**

R99 *current version:* none *WG (prime / other):* N1 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* Peter Skov  
*G:* yes *U:* *MCC:* JORGENSEN, Per Johan  
*history (event, available, version,*

*remarks - general:*  
*remarks - this release:* 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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**TR 10.43 Support of Localised Service Area (SoLSA); Work Item Status**

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,*  
draft 17/04/1998 1 . 2 . 0 empty!  
smg-28 30/06/1999 1 . 11 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #25: 1.11.0 #30b: 1.11.0 2001-April:Clayton: stopped.

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

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Server WITHDRAWN specs R99 10 .- series  
[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					
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> RODERMUND, Friedhelm						
	<i>history (event, available, version,</i> WITHDRAWN 14/03/2000 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 AMRcodec; 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					
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> USAI, Paolino						
	<i>history (event, available, version,</i> draft 15/08/1999 0 . 0 . 8 draft 15/10/1999 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> 2002-01-23: Usai indicates "stopped".						
		<a href="#">get it</a>	<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					
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> USAI, Paolino						
	<i>history (event, available, version,</i> draft 14/03/2000 0 . 0 . 3 draft 08/04/2000 0 . 0 . 4 draft 19/04/2000 0 . 0 . 5 draft 04/08/2000 0 . 0 . 6	<a href="#">get it</a>	<i>remarks - general:</i> 2002-01-23: Usai indicates "stopped".						
		<a href="#">get it</a>	<i>remarks - this release:</i> 2002-01-23: Usai indicates "stopped".						
		<a href="#">get it</a>							
		<a href="#">get it</a>							
			2002-01-23: Usai indicates "stopped".						
<hr/>									

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> G3ne / S1 / NP / T2 / SCP	<i>rapporteur:</i> SALMERON, Lidia	TELEPLUS LIMITED					
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version,</i> Upgrade to R99 30/06/2000 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						
<hr/>									

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

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Server WITHDRAWN specs R99 11 .- series  
[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* *freeze\_meeting: SP-06* WG (prime / other): G3ne / S1 / NP / T2 / SCP rapporteur: SALMERON, Lidia TELEPLUS LIMITED

G: yes U: MCC: CLAYTON, Michael

*history (event, available, version,*  
Upgraded to R99 30/06/2000 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* *freeze\_meeting: SP-06* WG (prime / other): T3 / - rapporteur: LINDHOLM, Rune NOKIA MOBILE PHONES  
G: yes U: MCC: DIETZE, Claus

*history (event, available, version,*  
Upgrade to R99 30/06/2000 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* *freeze\_meeting: SP-06* WG (prime / other): SP / - rapporteur: VACANT, POPE, Maurice  
G: U: yes MCC:

*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* *freeze\_meeting: SP-06* WG (prime / other): - / - rapporteur: MEREDITH, John M ETSI Secretariat  
G: U: yes MCC: N, A

*history (event, available, version,*  
SP-08 28/06/2000 1 . 0 . 0

[get it](#) *remarks - general:* Knobbed prior to SA#8.  
*remarks - this release:*

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

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[http://www.3gpp.org/ftp/Specs/archive/21\\_series](http://www.3gpp.org/ftp/Specs/archive/21_series)

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**TS 21.906 reserved**  
R99 *current version:* none  
*freeze\_meeting:* SP-06  
*history (event, available, version,*  
First complete 04/03/1999 0 . 0 . 0  
SP-03 3 . 0 . 0

*WG (prime / other):* - / *rapporteur:* CLAYTON, Michael EMCOM Ltd  
*G:* *U:* yes *MCC:* N, A

[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,*  
SP-05 13/10/1999 3 . 0 . 1  
SP-08 28/06/2000 3 . 1 . 0

*WG (prime / other):* S1 / - *rapporteur:* KOKKOLA, Tommi NOKIA Corporation  
*G:* yes *U:* yes *MCC:* CLAYTON, Michael

[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,*  
SP-06 3 . 0 . 0

*WG (prime / other):* S4 / - *rapporteur:* NAVARRO, William NORTEL NETWORKS (EUROPE)  
*G:* yes *U:* yes *MCC:* USAI, Paolino

*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,*  
Table of Contents 19/10/1997 0 . 0 . 2  
and Scope  
First complete 19/12/1997 1 . 0 . 0  
WG approval 15/02/1998 2 . 0 . 0  
smg-25 20/03/1998 3 . 0 . 0  
SP-03 22/04/1999 3 . 1 . 2  
SP-04 23/06/1999 3 . 1 . 3

*WG (prime / other):* - / - *rapporteur:* TOLVANEN, Mika NOKIA MOBILE PHONES  
*G:* *U:* yes *MCC:* N, A

[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

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[http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

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**TR 22.924 Charging and accounting mechanisms**

R99 *current version:* none  
*freeze\_meeting:* SP-03

*WG (prime / other):* - / - *rapporteur:* MONTEGROSSO, Emanuele TELECOM ITALIA S.p.A.  
*G:* *U:* yes *MCC:* N, A

*history (event, available, version,*  
Table of Contents 19/10/1997 0 . 0 . 1  
and Scope  
First complete 19/12/1997 1 . 2 . 1  
WG approval 15/02/1997 2 . 0 . 0  
smg-25 20/03/1998 3 . 0 . 0  
smg-28 15/02/1999 3 . 1 . 0  
SP-03 23/04/1999 3 . 1 . 1

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

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**TR 22.925 Quality of Service (QoS) and network performance**

R99 *current version:* none  
*freeze\_meeting:* SP-03

*WG (prime / other):* - / - *rapporteur:* ERIKSSON, Olle Telefon AB LM Ericsson  
*G:* *U:* yes *MCC:* N, A

*history (event, available, version,*  
First complete 13/06/1997 1 . 1 . 0  
WG approval 19/12/1997 2 . 0 . 0  
smg-25 20/03/1998 3 . 0 . 0  
SP-03 23/04/1999 3 . 1 . 1

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

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**TR 22.960 Mobile multimedia services**

R99 *current version:* none  
*freeze\_meeting:* SP-03

*WG (prime / other):* - / - *rapporteur:* AHNBERG, Tomas Indicate persons who left Company and wait for new One  
*G:* *U:* yes *MCC:* N, A

*history (event, available, version,*  
Table of Contents 17/10/1997 0 . 0 . 4  
and Scope  
First complete 19/12/1997 1 . 0 . 0  
WG approval 15/02/1997 2 . 0 . 0  
SP-03 23/04/1999 3 . 0 . 1 withdrawn

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

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[http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

## TR 22.970 Virtual Home Environment Report

R99 *current version: none*  
*freeze\_meeting: SP-03*  
*history (event, available, version,*  
Table of Contents 19/10/1997 0 . 0 . 7  
and Scope  
First complete 19/12/1997 1 . 0 . 0  
WG approval 15/02/1998 2 . 0 . 0  
smg-25 20/03/1998 3 . 0 . 0  
SP-03 23/04/1999 3 . 0 . 1

WG (prime / other): - / - *rapporteur:* OGUNBEKUN, Jumoke FUJITSU Laboratories of Europe Limited  
G: U: yes *MCC:* N, A

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

## TR 22.972 Circuit-switched multimedia

R99 *current version: none*  
*freeze\_meeting: SP-06*  
*history (event, available, version,*  
First complete 23/04/1999 0 . 0 . 0

WG (prime / other): - / - *rapporteur:* CLAYTON, Michael EMCOM Ltd  
G: U: yes *MCC:* N, A

[get it](#) *remarks - general:* Title grows "cctsw".  
*remarks - this release:* Withdrawn (Clayton 2000-02-11)

R99

23 .- series

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

## TS 23.010 GSM Public Land Mobile Network (PLMN) Connection Types

R99 *current version: none*  
*freeze\_meeting: SP-08*  
*history (event, available, version,*  
SP-03 30/05/1999 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

## 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,*  
SP-03 23/04/1999 3 . 0 . 0  
SP-04 23/06/1999 3 . 1 . 0

WG (prime / other): - / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
G: yes U: yes *MCC:* N, A

[get it](#) *remarks - general:* Superseded by 23.122  
*remarks - this release:* 3.1.0 dates from June 99  
[get it](#)

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

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<b>TS 23.043</b>	<b>Support of Videotex</b>	R99	<i>current version:</i> none <i>freeze_meeting:</i> SP-08 <i>history (event, available, version,</i> SP-03 30/05/1999 3 . 0 . 0	WG (prime / other): - / - G: U: yes	<i>rapporteur:</i> DETTNER, Harald <i>MCC:</i> N, A	SIEMENS AG	<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i> 3.0.0 Apr 99 - later scrapped
<b>TS 23.044</b>	<b>Support of Telete x</b>	R99	<i>current version:</i> none <i>freeze_meeting:</i> SP-08 <i>history (event, available, version,</i> SP-03 30/05/1999 3 . 0 . 0	WG (prime / other): - / - G: U: yes	<i>rapporteur:</i> DETTNER, Harald <i>MCC:</i> N, A	SIEMENS AG	<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i> 3.0.0 Apr 99 - later scrapped
<b>TS 23.045</b>	<b>Technical Realization of Facsimile Group 3 Service - transparent</b>	R99	<i>current version:</i> none <i>freeze_meeting:</i> SP-08 <i>history (event, available, version,</i> SP-03 23/04/1999 3 . 0 . 0	WG (prime / other): - / - G: U: yes	<i>rapporteur:</i> DI TRIA, Paolo <i>MCC:</i> N, A	Telecom Italia Lab S.p.A.	<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
<b>TS 23.046</b>	<b>Technical realisation of facsimile Group 3 service- non-transparent</b>	R99	<i>current version:</i> none <i>freeze_meeting:</i> SP-06 <i>history (event, available, version,</i> SP-03 23/04/1999 3 . 0 . 0	WG (prime / other): - / - G: U: yes	<i>rapporteur:</i> BOSWARTHICK, David <i>MCC:</i> N, A	ETSI Secretariat	<a href="#">get it</a> <i>remarks - general:</i> superseded by 23.146 <i>remarks - this release:</i> 3.0.0 Apr 99
<b>TS 23.054</b>	<b>Shared Interworking Functions (SIWF); Stage 2</b>	R99	<i>current version:</i> none <i>freeze_meeting:</i> SP-03  <i>history (event, available, version,</i> NP-03 23/04/1999 3 . 0 . 0 NP-13: withdrawn	WG (prime / other): N3 / - G: yes U: yes	<i>rapporteur:</i> ROSTÖ, Tommy <i>MCC:</i> BOSWARTHICK, David	Indicate persons who left Company and wait for new One	<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i> NP-13: withdrawn.

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



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<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			<i>G:</i> U: yes	<i>MCC:</i> JORGENSEN, Per Johan				
	<i>history (event, available, version,</i>								
	NP-03 23/04/1999	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.				
<hr/>									
<b>TS 23.070</b>	<b>Routeing 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			<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> N, A				
	<i>history (event, available, version,</i>								
	SP-03 23/04/1999	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			<i>G:</i> U: yes	<i>MCC:</i> N, A				
	<i>history (event, available, version,</i>								
	SP-04 30/05/1999	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			<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> KYMALAINEN, Kimmo				
	<i>history (event, available, version,</i>								
	NP-05 13/10/1999	3	. 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4. 2001-10-09 Rapporteur changed from Ch Homann.				
	edito 06/06/2000	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.				

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## TS 23.920 Evolution of the GSM platform towards UMTS

R99 *current version:* none  
*freeze\_meeting:* SP-08  
*history (event, available, version,*  
Table of Contents 17/10/1997 0 . 0 . 3  
and Scope  
Transfer to SP SA 04/03/1999 0 . 6 . 1  
SP-03 23/04/1999 1 . 0 . 0  
WG approval 01/04/1999 1 . 0 . 0  
First complete 01/04/1999 1 . 0 . 0  
SP-04 23/06/1999 3 . 0 . 0  
SP-05 13/10/1999 3 . 1 . 0

*WG (prime / other):* - / - *rapporteur:* DANIEL, Elizabeth Lucent Technologies Network Systems UK  
*G: yes U: yes* *MCC:* N, A

[get it](#) *remarks - general:*  
*remarks - this release:* Stopped TSG#6  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

## TR 23.922 Architecture for an All IP network

R99 *current version:* none  
*freeze\_meeting:* SP-06  
*history (event, available, version,*  
SP-05 13/10/1999 1 . 0 . 0

*WG (prime / other):* S2 / - *rapporteur:* DANIEL, Elizabeth Lucent Technologies Network Systems UK  
*G: yes U: yes* *MCC:* YOON, Sang-Ui

[get it](#) *remarks - general:* TSG#5: 1.0.0  
*remarks - this release:* 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.

## TR 23.925 UMTS Core network based ATM transport

R99 *current version:* none  
*freeze\_meeting:* SP-06  
*history (event, available, version,*  
Table of Contents 22/04/1999 0 . 0 . 1  
and Scope  
SP-03 23/04/1999 0 . 2 . 0

*WG (prime / other):* S2 / - *rapporteur:* ROUZ, Adel FUJITSU Laboratories of Europe Limited  
*G: yes U: yes* *MCC:* YOON, Sang-Ui

[get it](#) *remarks - general:* Oct 00: S2 Secretary indicates this spec is out of date and should be withdrawn.  
*remarks - this release:* SP-20: stopped SP-20: stopped  
[get it](#)

## TR 23.927 VHE, Open Service Architecture (OSA)

R99 *current version:* none  
*freeze\_meeting:* SP-06  
*history (event, available, version,*  
First complete 23/04/1999 0 . 0 . 0  
SP-03 23/04/1999 0 . 1 . 0 withdrawn

*WG (prime / other):* - / - *rapporteur:* CLAYTON, Michael EMCOM Ltd  
*G: yes U: yes* *MCC:* N, A

[get it](#) *remarks - general:* Replaced by 23.127  
*remarks - this release:* Withdrawn (Clayton 2000-02-11).  
[get it](#)

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

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## TR 23.960 Framework of network functions to support multimedia services

R99 *current version:* none  
*freeze\_meeting:* SP-06  
*history (event, available, version,*  
SP-03 23/04/1999 0 . 1 . 0

*WG (prime / other):* - / - *rapporteur:* GABE, Axel  
*G:* yes *U:* yes *MCC:* N, A

SIEMENS AG

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

R99 24 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/24\\_series](http://www.3gpp.org/ftp/Specs/archive/24_series)

## TS 24.012 Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface

R99 *current version:* none  
*freeze\_meeting:* SP-05  
*history (event, available, version,*  
SP-05 13/10/1999 3 . 0 . 0

*WG (prime / other):* G2 / N2 *rapporteur:* AL -BAKRI, Ban  
*G:* yes *U:* yes *MCC:* THOMASEN, Gert

MOTOROLA S.A.S

[get it](#) *remarks - general:* Transfer>TSG#4; N#9; proposed to scrap this spec and return it to 2g status (04.12  
*remarks - this release:* 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.

## TS 24.065 General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)

R99 *current version:* none  
*freeze\_meeting:* SP-12  
*history (event, available, version,*  
NP-03 23/04/1999 3 . 0 . 0  
NP-04 27/05/1999 3 . 1 . 0

*WG (prime / other):* N1 / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*G:* U: yes *MCC:* JORGENSEN, Per Johan

[get it](#) *remarks - general:* Scrapped: is GSM only  
[get it](#) *remarks - this release:* 2000-02-14: To revert to 2g only 04.65, 24.165 may be required. 2000-11-08  
withdrawn; not required for 3G.

## TS 24.068 Group Call Control (GCC) Protocol

R99 *current version:* none  
*freeze\_meeting:* SP-06  
*history (event, available, version,*  
NP-03 3 . 0 . 0  
NP-04 3 . 1 . 0

*WG (prime / other):* N1 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*G:* U: yes *MCC:* JORGENSEN, Per Johan

*remarks - general:* GSM only for R99.  
*remarks - this release:* GSM only for R99.

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

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**TS 24.069 Broadcast Call Control (BCC) protocol**

R99 *current version:* none  
*freeze\_meeting:* SP-06  
*history (event, available, version,*

NP-03 3 . 0 . 0  
NP-04 3 . 1 . 0

*WG (prime / other):* N1 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*G:* yes *U:* yes *MCC:* JORGENSEN, Per Johan

*remarks - general:* GSM only for R99.  
*remarks - this release:* GSM only for R99.

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**TS 24.094 Follow Me; Stage 3**

R99 *current version:* none  
*freeze\_meeting:* SP-06  
*history (event, available, version,*

*WG (prime / other):* - / - *rapporteur:* BERGMANN, Ansgar Deutsche Telekom AG  
*G:* yes *U:* yes *MCC:* N, A

*remarks - general:* TF139 proposes to abandon; not needed. USSD does all.  
*remarks - this release:* USSD does all. No draft expected.

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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 25.053 Tandem Free Operation (TFO); Service description; Stage 2**

R99 *current version:* none  
*freeze\_meeting:* SP-06  
*history (event, available, version,*

*WG (prime / other):* - / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
*G:* yes *U:* yes *MCC:* N, A

*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  
*freeze\_meeting:* SP-06  
*history (event, available, version,*

First complete 04/03/1999 0 . 0 . 0  
NP-03 23/04/1999 0 . 1 . 0  
NP-04 23/06/1999 1 . 0 . 0  
NP-05 13/10/1999 2 . 0 . 0

*WG (prime / other):* - / - *rapporteur:* FRANCESCHI, Olle Nippon Ericsson K.K.  
*G:* yes *U:* yes *MCC:* N, A

[get it](#) *remarks - general:* Withdrawn in favour of 25.123 & 25.133  
[get it](#) *remarks - this release:* Withdrawn  
[get it](#)  
[get it](#)

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

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<b>TR 25.831</b>	<b>Study Items for future release</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> DREVON, Nicolas	ALCATEL S.A.	
	<i>freeze_meeting:</i> SP-06	<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern		
	<i>history (event, available, version,</i>				
	RP-03 23/04/1999 0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	RP-04 23/06/1999 0 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release:</i> RP-19 (post R3-31): stopped.		
<hr/>					
<b>TR 25.923</b>	<b>Stage 2 Functional Specification of Location Services in UTRAN</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-06	<i>G:</i> U: yes	<i>MCC:</i> N, A		
	<i>history (event, available, version,</i>				
	draft 30/04/1999 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> superseded by 25.305		
	draft 01/09/1999 1 . 2 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	draft 30/09/1999 1 . 4 . 0	<a href="#">get it</a>			
<hr/>					
<b>TR 25.926</b>	<b>UE Radio Access capabilities definition</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> LUNDSJÖ, Johan	Ericsson AB	
	<i>freeze_meeting:</i> SP-07	<i>G:</i> U: yes	<i>MCC:</i> ARZELIER, Claude		
	<i>history (event, available, version,</i>				
	RP-05 13/10/1999 0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> ->25.306 Nov 00.		
	R2-08 30/11/1999 0 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> Nov00->25.306 but first ->TSG#10:3.3.0		
	R2-09 17/12/1999 1 . 0 . 0	<a href="#">get it</a>			
	RP-07 15/03/2000 3 . 0 . 0	<a href="#">get it</a>			
	RP-08 23/06/2000 3 . 1 . 0	<a href="#">get it</a>			
	RP-08 06/10/2000 3 . 2 . 0	<a href="#">get it</a>			
	RP-10 15/12/2000 3 . 3 . 0	<a href="#">get it</a>			
<hr/>					
<b>TR 25.990</b>	<b>Vocabulary for UTRAN</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> R4 / -	<i>rapporteur:</i> OKRAH, Peter	Motorola Inc.	
	<i>freeze_meeting:</i> SP-05	<i>G:</i> U: yes	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar		
	<i>history (event, available, version,</i>				
	RP-03 23/04/1999 0 . 0 . 2	<a href="#">get it</a>	<i>remarks - general:</i> ->21.905		
	RP-04 23/06/1999 0 . 1 . 4	<a href="#">get it</a>	<i>remarks - this release:</i> 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.		
	RP-05 13/10/1999 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

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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	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> N, A		
	<i>history (event, available, version,</i>				
	SP-03 23/04/1999 0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Created TSG#6. Replaced by '975 at TSG#7.	
	SP-06 17/12/1999 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	replaced by 26.975	
	SP-05 13/10/1999 1 . 0 . 0	<a href="#">get it</a>			
	SP-04 23/06/1999 1 . 0 . 0	<a href="#">get it</a>			
	Editorial 23/06/2000 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	<i>G:</i> <i>U:</i> yes	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	SP-03 26/04/1999 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-04 23/06/1999 1 . 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>				
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	<i>G:</i> <i>U:</i> yes	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	Creation of WI by 02/02/2000 0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>		
	WG/TB		<i>remarks - this release:</i>	Feb00: 0.0.1 - Withddrawn 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	<i>G:</i> <i>U:</i> yes	<i>MCC:</i> N, A		
	<i>history (event, available, version,</i>				
			<i>remarks - general:</i>		
			<i>remarks - this release:</i>	.	

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[http://www.3gpp.org/ftp/Specs/archive/26\\_series](http://www.3gpp.org/ftp/Specs/archive/26_series)

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<b>TS 26.122</b>	<b>Technical Specification for Tandem Free Operation between 3G and 2G networks</b>					
R99	<i>current version: none</i>	<i>WG (prime / other):</i>	- / -	<i>rapporteur:</i>	OHANA, Alain	Cingular Wireless LLC
	<i>freeze_meeting: SP-07</i>	<i>G:</i>	U: yes	<i>MCC:</i>	N, A	
	<i>history (event, available, version,</i>			<i>remarks - general:</i>		
				<i>remarks - this release:</i>		
<hr/>						
<b>TS 26.133</b>	<b>Wide band speech telephony terminal acoustic characteristics</b>					
R99	<i>current version: none</i>	<i>WG (prime / other):</i>	S4 /	<i>rapporteur:</i>	BARRETT, Paul	Indicate persons who left Company and wait for new One
	<i>freeze_meeting: SP-06</i>	<i>G:</i>	U: yes	<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version,</i>			<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: none</i>	<i>WG (prime / other):</i>	S4 /	<i>rapporteur:</i>	BARRETT, Paul	Indicate persons who left Company and wait for new One
	<i>freeze_meeting: SP-06</i>	<i>G:</i>	U: yes	<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version,</i>			<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: none</i>	<i>WG (prime / other):</i>	S4 /	<i>rapporteur:</i>	USAI, Paolino	TELECOM ITALIA S.p.A.
	<i>freeze_meeting: SP-06</i>	<i>G:</i>	yes U: yes	<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version,</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: none</i>	<i>WG (prime / other):</i>	S4 /	<i>rapporteur:</i>	USAI, Paolino	TELECOM ITALIA S.p.A.
	<i>freeze_meeting: SP-06</i>	<i>G:</i>	U: yes	<i>MCC:</i>	USAI, Paolino	
	<i>history (event, available, version,</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 acces; U = required in systems with UMTS

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Server WITHDRAWN specs R99 26 .- series  
[http://www.3gpp.org/ftp/Specs/archive/26\\_series](http://www.3gpp.org/ftp/Specs/archive/26_series)

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**TS 26.137 Terminal Display and Camera Characteristics 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,*  
*remarks - general: Stopped: Included in 26.131 & '132.*  
*remarks - this release: .*

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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,*  
*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,*  
SP-03 23/04/1999 0 . 0 . 0 [get it](#) *remarks - general:*  
SP-04 23/06/1999 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,*  
SP-05 13/10/1999 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)

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



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Server WITHDRAWN specs R99 29 .- series  
[http://www.3gpp.org/ftp/Specs/archive/29\\_series](http://www.3gpp.org/ftp/Specs/archive/29_series)

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<b>TS 29.004</b>	<b>Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)</b>								
R99	<i>current version:</i> none	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat					
	<i>freeze_meeting:</i> SP-08	G: U: yes	MCC:	BOSWARTHICK, David					
	<i>history (event, available, version,</i>								
	SP-03 23/04/1999 3 . 0 . 0								
		<a href="#">get it</a>	<i>remarks - general:</i>	N3 indicates not required for R99, so revert to 09.04 R98.					
			<i>remarks - this release:</i>						
<hr/>									
<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>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat					
	<i>freeze_meeting:</i> SP-08	G: U: yes	MCC:	BOSWARTHICK, David					
	<i>history (event, available, version,</i>								
	SP-03 23/04/1999 3 . 0 . 0								
		<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>						
<hr/>									
<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>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BRAUN, Achim	Indicate persons who left Company and wait for new One					
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	MCC:	BOSWARTHICK, David					
	<i>history (event, available, version,</i>								
	SP-03 23/04/1999 3 . 0 . 0								
		<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					
<hr/>									
<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>WG (prime / other):</i> RP / -	<i>rapporteur:</i> COURAU, François	ALCATEL S.A.					
	<i>freeze_meeting:</i>	G: yes U: yes	MCC:	GUTIERREZ MIGUELEZ, Cesar					
	<i>history (event, available, version,</i>								
			<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)

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

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Server WITHDRAWN specs R99 30 .- series  
[http://www.3gpp.org/ftp/Specs/archive/30\\_series](http://www.3gpp.org/ftp/Specs/archive/30_series)

## TR 30.531 Work Plan and Study Items - RAN WG3

R99 *current version:* none  
*freeze\_meeting:* SP-06  
*history (event, available, version,*

*WG (prime / other):* R3 / - *rapporteur:* KRAUSE, Joern SIEMENS AG  
*G:* *U:* yes *MCC:* KRAUSE, Joern

draft	15/02/1999	0	.	0	.	1	<a href="#">get it</a>
draft	15/03/1999	0	.	0	.	2	<a href="#">get it</a>
draft	15/04/1999	0	.	0	.	3	<a href="#">get it</a>
RP-03	23/04/1999	0	.	1	.	0	<a href="#">get it</a>
draft	15/05/1999	0	.	1	.	1	<a href="#">get it</a>
RP-04	23/06/1999	0	.	1	.	2	<a href="#">get it</a>
RP-05	13/10/1999	0	.	3	.	1	<a href="#">get it</a>
draft	30/10/1999	0	.	3	.	2	<a href="#">get it</a>
draft	15/11/1999	0	.	4	.	0	<a href="#">get it</a>
draft	30/11/1999	0	.	4	.	1	<a href="#">get it</a>
RP-06	12/12/1999	0	.	5	.	0	<a href="#">get it</a>
draft	15/01/2000	0	.	5	.	1	<a href="#">get it</a>
draft	15/02/2000	0	.	6	.	0	<a href="#">get it</a>
draft	20/02/2000	0	.	6	.	1	<a href="#">get it</a>
RP-07	15/03/2000	0	.	7	.	0	<a href="#">get it</a>
draft	30/03/2000	0	.	7	.	1	<a href="#">get it</a>
RP-08	23/06/2000	0	.	8	.	0	<a href="#">get it</a>
RP-09	15/08/2000	0	.	8	.	1	<a href="#">get it</a>
RP-09	03/10/2000	0	.	8	.	2	<a href="#">get it</a>
RP-10		0	.	8	.	5	<a href="#">get it</a>
draft	21/12/2000	0	.	8	.	6	<a href="#">get it</a>
RP-11	27/03/2001	0	.	8	.	8	<a href="#">get it</a>
RP-12	05/07/2001	0	.	9	.	0	<a href="#">get it</a>
RP-13	01/10/2001	0	.	9	.	2	<a href="#">get it</a>
draft	23/11/2001	0	.	9	.	3	<a href="#">get it</a>

*remarks - general:*  
*remarks - this release:* 2003-01-14: R99 stopped. Work continues, but for later Release. Skip straight to Rel-6

R99

31 .- series

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

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

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Server WITHDRAWN specs R99 31 .- series  
[http://www.3gpp.org/ftp/Specs/archive/31\\_series](http://www.3gpp.org/ftp/Specs/archive/31_series)

## TR 31.900 SIM/USIM internal and external interworking aspects

R99 *current version: none*  
*freeze\_meeting: TP-12*  
*history (event, available, version,*  
TP-11 05/04/2001 1 . 0 . 0 Thought to have been approved as [get it](#) *remarks - general:*  
3.0.0, but in fact was not! (JMM after Sanders 2001-05-16) *remarks - this release:* TP-16: withdrawn; only Rel-5 remains valid.  
TP-12 2 . 0 . 0 TP-010113  
TP-12 06/07/2001 3 . 0 . 0 [get it](#)  
TP-13 12/10/2001 3 . 1 . 0 [get it](#)  
TP-15 28/03/2002 3 . 2 . 0 TP-16: withdrawn; only Rel-5 remains [get it](#)  
valid.

WG (prime / other): T3 / *rapporteur:* KALINER, Stefan T-MOBILE DEUTSCHLAND  
G: U: yes *MCC:* DIETZE, Claus

R99 32 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/32\\_series](http://www.3gpp.org/ftp/Specs/archive/32_series)

## TS 32.008 Subscriber and Equipment trace

R99 *current version: none*  
*freeze\_meeting: SP-06*  
*history (event, available, version,*

WG (prime / other): - / - *rapporteur:* SJÖBLOM, Kai NOKIA Corporation  
G: U: yes *MCC:* N, A  
*remarks - general:* Existence deduced from STF139 programme. But denied by Sjöblom.  
*remarks - this release:* Not to be produced.

## TS 32.106 Configuration Management

R99 *current version: none*  
*freeze\_meeting: SP-07*  
*history (event, available, version,*  
SP-05 13/10/1999 1 . 0 . 0 [get it](#) *remarks - general:* TSG#8: split into eight parts  
SP-06 17/12/1999 1 . 1 . 0 [get it](#) *remarks - this release:* SP-08: multipart split from parent 3.0.1  
SP-07 2 . 0 . 0  
SP-07 17/03/2000 3 . 0 . 0 [get it](#)  
Editorial 17/03/2000 3 . 0 . 1 withdrawn SP-08 [get it](#)

WG (prime / other): S5 / - *rapporteur:* TSE, Edwin Ericsson Incorporated  
G: U: yes *MCC:* ZOICAS, Adrian

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

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Server WITHDRAWN specs R99 32 .- series  
[http://www.3gpp.org/ftp/Specs/archive/32\\_series](http://www.3gpp.org/ftp/Specs/archive/32_series)

## TS 32.111 3G Fault Management

R99 *current version: none* WG (prime / other): S5 / - *rapporteur:* CICCHITTO, Gaetano SIEMENS Mobile Communications S.p.A.  
*freeze\_meeting:* SP-08 G: U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*  
SP-05 13/10/1999 1 . 0 . 0 [get it](#) *remarks - general:* TSG#8: split into 4 parts  
SP-06 17/12/1999 1 . 1 . 0 [get it](#) *remarks - this release:* TSG#8: multipart split from parent 3.0.1  
SP-07 17/03/2000 3 . 0 . 0 [get it](#)  
Editorial 17/03/2000 3 . 0 . 1 [get it](#)  
SP-08: split into 23/06/2000 3 . 1 . 0 [get it](#)  
parts  
Formatting 18/07/2000 3 . 2 . 0 [get it](#)

R99 33 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/33\\_series](http://www.3gpp.org/ftp/Specs/archive/33_series)

## TR 33.900 Guide to 3G security

R99 *current version: none* WG (prime / other): S3 / - *rapporteur:* BROOKSON, Charles DTI - Department of Trade and Industry  
*freeze\_meeting:* SP-06 G: U: yes *MCC:* POPE, Maurice

*history (event, available, version,*  
SP-08 23/06/2000 1 . 2 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* New at TSG#6

## 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

R99 *current version: none* WG (prime / other): S3 / - *rapporteur:* WALKER, Michael VODAFONE Group Plc  
*freeze\_meeting:* SP-10 G: U: yes *MCC:* POPE, Maurice

*history (event, available, version,*  
SP-10 16/01/2001 1 . 0 . 0 SP-000629 [get it](#) *remarks - general:* 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 *remarks - this release:* TSG#7: referred to in 33.908. Had been withdrawn, but reinstated at TSG#10.  
SA#13: 2001-09-23withdrawn.

R99 35 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/35\\_series](http://www.3gpp.org/ftp/Specs/archive/35_series)

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

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Server WITHDRAWN specs R99 35 .- series  
[http://www.3gpp.org/ftp/Specs/archive/35\\_series](http://www.3gpp.org/ftp/Specs/archive/35_series)

<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*;</b>	R99	<i>current version: Document 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		MCC:	POPE, Maurice	
	<i>history (event, available, version,</i>	SP-10	09/05/2001	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		
<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*;</b>	R99	<i>current version: Document 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		MCC:	POPE, Maurice	
	<i>history (event, available, version,</i>	SP-10	09/05/2001	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		
<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*;</b>	R99	<i>current version: Document 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		MCC:	POPE, Maurice	
	<i>history (event, available, version,</i>	SP-10	09/05/2001	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		
<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*;</b>	R99	<i>current version: Document 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		MCC:	POPE, Maurice	
	<i>history (event, available, version,</i>	SP-10	09/05/2001	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		

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

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Server WITHDRAWN specs R99 35 .- series  
[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\*;  
R99 current version: Document 5: Summary and results of design and evaluation none WG (prime / other): S3 /- rapporteur: WALKER, Michael  
VODAFONE Group Plc

freeze\_meeting: SP-11 G: U: yes MCC: POPE, Maurice

history (event, available, version, 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): SMG / rapporteur: RAPELI, Juha PHILIPS CONSUMER COMMUNICATION  
freeze\_meeting: G: U: yes MCC:

history (event, available, version, smg-03 18/11/1994 3 . 0 . 0 [get it](#) remarks - general:  
smg-18 21/05/1996 3 . 1 . 0 [get it](#) remarks - this release: .  
smg-19 04/09/1996 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): SMG / rapporteur: RAPELI, Juha PHILIPS CONSUMER COMMUNICATION  
freeze\_meeting: G: U: yes MCC:

history (event, available, version, 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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Server WITHDRAWN specs UMTS 02 .- series  
[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,*  
Suspended 10/04/1996 3 . 0 . 0  
*animation*

[get it](#) *remarks - general:*  
*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,*  
Suspend work 10/10/1996 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,*  
draft 10/10/1997 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)

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



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Server WITHDRAWN specs UMTS 06 .- series  
[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  
*freeze\_meeting:* G: U: yes MCC: POPE, Maurice One  
*history (event, available, version, draft 10/10/1996 3 . 0 . 0* [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  
*freeze\_meeting:* G: U: yes MCC: POPE, Maurice One  
*history (event, available, version, draft 0 . 0 . 0* *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  
*freeze\_meeting:* G: U: yes MCC: POPE, Maurice One  
*history (event, available, version,* *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)

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

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Server WITHDRAWN specs UMTS 12 .- series  
[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  
G: U: yes MCC: ZOICAS, Adrian  
*history (event, available, version,*  
Waiting - see 12/10/1995 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  
G: U: yes MCC: ZOICAS, Adrian  
*history (event, available, version,*  
Waiting - see 10/10/1996 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 MOTOROLA A/S  
G: U: MCC: USAI, Paolino  
*history (event, available, version,*  
smg-22 13/06/1997 3 . 0 . 0 [get it](#) *remarks - general:*  
ETSI publication 03/11/1998 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,*  
draft 17/01/2000 1 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #26: 0.0.2 or perhaps as 1.0.0

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

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[http://www.3gpp.org/ftp/Specs/archive/21\\_series](http://www.3gpp.org/ftp/Specs/archive/21_series)

## TR 21.06U O&M requirements for the UMTS

UMTS *current version:* none  
*freeze\_meeting:*

*WG (prime / other):* - / - *rapporteur:* WEICHSELBAUM, Steffen  
*G:* *U:* *MCC:* N, A  
Vodafone D2 GmbH

*history (event, available, version,*

First complete	19/10/1997	1	.	0	.	0
Milestone 1	19/12/1997	1	.	1	.	2
WG approval	17/02/1997	2	.	0	.	0
smg-25	20/03/1998	3	.	0	.	0

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

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

## TS 22.00U UMTS Phase 1

UMTS *current version:* none  
*freeze\_meeting:*

*WG (prime / other):* - / - *rapporteur:* VERRIER, David  
*G:* *U:* *MCC:* N, A  
Indicate persons who left Company and wait for new One

*history (event, available, version,*

smg-27		1	.	0	.	0
draft	24/11/1998	1	.	3	.	0

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

## TS 22.01U Universal Mobile Telecommunications System (UMTS): Service aspects; Service principles

UMTS *current version:* none  
*freeze\_meeting:*

*WG (prime / other):* - / - *rapporteur:* DWYER, Paul  
*G:* *U:* *MCC:* N, A  
NORTEL NETWORKS (EUROPE)

*history (event, available, version,*

smg-21		3	.	0	.	0
smg-22		3	.	1	.	0
smg-24		3	.	2	.	1
smg-27	17/10/1998	3	.	3	.	0

*remarks - general:*  
*remarks - this release:*  
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G = required in systems with GERAN acces; U = required in systems with UMTS

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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> U:	<i>MCC:</i> N, A	
	<i>history (event, available, version,</i>				
	smg-25	3 . 0 . 0			
	smg-26 01/07/1998	3 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
				<i>remarks - this release:</i>	
<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: yes U:</i>	<i>MCC:</i> N, A	
	<i>history (event, available, version,</i>				
	smg-25	3 . 0 . 0			
	smg-27	3 . 1 . 0			
	edito 29/10/1998	3 . 1 . 1	<a href="#">get it</a>	<i>remarks - general:</i>	
				<i>remarks - this release:</i>	
<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> U:	<i>MCC:</i> N, A	
	<i>history (event, available, version,</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> U:	<i>MCC:</i> N, A	
	<i>history (event, available, version,</i>				
	smg-25 28/05/1998	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
				<i>remarks - this release:</i> #25: 3.0.0	
<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> U:	<i>MCC:</i> N, A	
	<i>history (event, available, version,</i>				
	smg-25 28/05/1998	3 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
				<i>remarks - this release:</i> #25: 3.1.0	

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

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<b>TS 22.29U</b>	<b>Handover Requirements between UMTS and GSM or other RadioSystems</b>					
UMTS	<i>current version: none</i>	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> COOPER, David		Telecom Modus Limited	
	<i>freeze_meeting:</i>	<i>G:</i> <i>U:</i>	<i>MCC:</i> N, A			
	<i>history (event, available, version,</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: none</i>	<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:</i> <i>U:</i>	<i>MCC:</i> N, A			
	<i>history (event, available, version,</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: none</i>	<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:</i> <i>U:</i>	<i>MCC:</i> N, A			
	<i>history (event, available, version,</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: none</i>	<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:</i> <i>U:</i>	<i>MCC:</i> N, A			
	<i>history (event, available, version,</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: none</i>	<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:</i> <i>U:</i>	<i>MCC:</i> N, A			
	<i>history (event, available, version,</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

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<b>TS 22.50U</b>	<b>Subscriber and service profile requirements</b>					
UMTS	current version: none freeze_meeting:	WG (prime / other): - /	rapporteur: N, A		Indicate persons who left Company and wait for new One	
	history (event, available, version,	G: U:	MCC: N, A			
				remarks - general: remarks - this release: .		
<b>TS 22.55U</b>	<b>UMTS user identity modules</b>					
UMTS	current version: none freeze_meeting:	WG (prime / other): - /	rapporteur: N, A		Indicate persons who left Company and wait for new One	
	history (event, available, version,	G: U:	MCC: N, A			
				remarks - general: remarks - this release: .		
<b>TS 22.60U</b>	<b>Mobile multimedia services including mobile Intranet and Internet services</b>					
UMTS	current version: none freeze_meeting:	WG (prime / other): - / -	rapporteur: AHNBERG, Tomas		Indicate persons who left Company and wait for new One	
	history (event, available, version, smg-25 28/05/1998 3 . 0 . 0	G: U:	MCC: N, A			
				<a href="#">get it</a> remarks - general: remarks - this release: #25: 3.0.0		
<b>TS 22.70U</b>	<b>Virtual Home Environment</b>					
UMTS	current version: none freeze_meeting:	WG (prime / other): - / -	rapporteur: OGUNBEKUN, Jumoke	FUJITSU Laboratories of Europe Limited		
	history (event, available, version, smg-25 28/05/2001 3 . 0 . 0	G: U:	MCC: N, A			
				<a href="#">get it</a> remarks - general: remarks - this release: #25: 3.0.0		
<b>TS 22.71U</b>	<b>Service aspects; Automatic Establishment of Roaming Relationships</b>					
UMTS	current version: none freeze_meeting:	WG (prime / other): - / -	rapporteur:			
	history (event, available, version, smg-25 3 . 0 . 0 smg-27 17/10/1998 3 . 0 . 1	G: U:	MCC: N, A			
				<a href="#">get it</a> remarks - general: remarks - this release: #25: 3.0.0 #27: 3.0.1		

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

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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>		<i>G:</i> U:	<i>MCC:</i> N, A	
	<i>history (event, available, version,</i>				
	smg-25	2 . 0 . 0		<i>remarks - general:</i>	
	smg-27 17/10/1998	3 . 0 . 0		<i>remarks - this release:</i> .	
				<a href="#">get it</a>	
<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>		<i>G:</i> U:	<i>MCC:</i> N, A	
	<i>history (event, available, version,</i>				
	smg-25	2 . 0 . 0		<i>remarks - general:</i>	
	smg-27 17/10/1998	3 . 0 . 0		<i>remarks - this release:</i> #25: 2.0.0 #27: 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>		<i>G:</i> U:	<i>MCC:</i> N, A	
	<i>history (event, available, version,</i>				
	First complete 19/10/1997	1 . 0 . 2		<i>remarks - general:</i>	
	WG approval 07/11/1997	2 . 0 . 0		<i>remarks - this release:</i> #24: 2.0.1	
	Under TB change 20/03/1998	2 . 0 . 1		<a href="#">get it</a>	
	control.			<a href="#">get it</a>	
	Milestone 1 19/12/1997	2 . 0 . 1		<a href="#">get it</a>	
<hr/>					

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>		<i>G:</i> U:	<i>MCC:</i> N, A	
	<i>history (event, available, version,</i>				
	smg-27 24/02/1999	3 . 0 . 0		<i>remarks - general:</i>	
				<i>remarks - this release:</i> #27: for info	
				<a href="#">get it</a>	
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G = required in systems with GERAN acces; U = required in systems with UMTS

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<b>TS 23.05U</b>	<b>UMTS Network principles</b>				
UMTS	<i>current version: none</i>	<i>WG (prime / other):</i>	- / -	<i>rapporteur:</i>	
	<i>freeze_meeting:</i>	<i>G:</i>	<i>U:</i>	<i>MCC:</i>	N, A
	<i>history (event, available, version,</i>				
				<i>remarks - general:</i>	
				<i>remarks - this release:</i>	.
<hr/>					
<b>TS 23.10U</b>	<b>UMTS Access Stratum; Services and Functions</b>				
UMTS	<i>current version: none</i>	<i>WG (prime / other):</i>	- / -	<i>rapporteur:</i>	LOPEZ-TORRES, Oscar T-MOBILE DEUTSCHLAND
	<i>freeze_meeting:</i>	<i>G:</i>	<i>U:</i>	<i>MCC:</i>	N, A
	<i>history (event, available, version,</i>				
	<i>smg-27 24/02/1999 3 . 0 . 0</i>			<a href="#">get it</a>	<i>remarks - general:</i>
					<i>remarks - this release: #27: for info</i>
<hr/>					
<b>TS 23.20U</b>	<b>Evolution of the GSM platform towards UMTS</b>				
UMTS	<i>current version: none</i>	<i>WG (prime / other):</i>	S2 / -	<i>rapporteur:</i>	JARVIS, Andre 3
	<i>freeze_meeting:</i>	<i>G:</i>	<i>U:</i>	<i>MCC:</i>	YOON, Sang-Ui
	<i>history (event, available, version,</i>				
	<i>smg-27 1 . 0 . 0</i>			<i>remarks - general:</i>	
				<i>remarks - this release: #27: for info</i>	
<hr/>					
<b>TS 23.40U</b>	<b>UMTS Network Aspects; Relationship with UPT</b>				
UMTS	<i>current version: none</i>	<i>WG (prime / other):</i>	- /	<i>rapporteur:</i>	N, A
	<i>freeze_meeting:</i>	<i>G:</i>	<i>U:</i>	<i>MCC:</i>	N, A
	<i>history (event, available, version,</i>				
				<i>remarks - general:</i>	Indicate persons who left Company and wait for new One
				<i>remarks - this release:</i>	.
<hr/>					
<b>TS 23.50U</b>	<b>UMTS Network Aspects; IN and B-ISDN concepts in a UMTS environment</b>				
UMTS	<i>current version: none</i>	<i>WG (prime / other):</i>	- /	<i>rapporteur:</i>	N, A
	<i>freeze_meeting:</i>	<i>G:</i>	<i>U:</i>	<i>MCC:</i>	N, A
	<i>history (event, available, version,</i>				
				<i>remarks - general:</i>	Indicate persons who left Company and wait for new One
				<i>remarks - this release:</i>	.

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



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<b>TS 23.60U</b>	<b>UMTS Network Aspects; UMTS data organization</b>					
UMTS	current version: none freeze_meeting:	WG (prime / other): - /	rapporteur: N, A		Indicate persons who left Company and wait for new One	
	history (event, available, version,	G: U:	MCC: N, A			
				remarks - general: remarks - this release: .		
<b>TS 23.70U</b>	<b>UMTS Network Aspects; UMTS operations and procedures</b>					
UMTS	current version: none freeze_meeting:	WG (prime / other): - /	rapporteur: N, A		Indicate persons who left Company and wait for new One	
	history (event, available, version,	G: U:	MCC: N, A			
				remarks - general: remarks - this release: .		
<b>TS 23.80U</b>	<b>UMTS Network Aspects; Signalling requirements for UMTS</b>					
UMTS	current version: none freeze_meeting:	WG (prime / other): - /	rapporteur: N, A		Indicate persons who left Company and wait for new One	
	history (event, available, version,	G: U:	MCC: N, A			
				remarks - general: remarks - this release: .		
<b>TS 23.90U</b>	<b>UMTS Network Aspects; Network performance requirements</b>					
UMTS	current version: none freeze_meeting:	WG (prime / other): - /	rapporteur: N, A		Indicate persons who left Company and wait for new One	
	history (event, available, version,	G: U:	MCC: N, A			
				remarks - general: remarks - this release: .		
<b>TS 23.95U</b>	<b>UMTS Network Aspects; Network functions relevant to satellites</b>					
UMTS	current version: none freeze_meeting:	WG (prime / other): - /	rapporteur: N, A		Indicate persons who left Company and wait for new One	
	history (event, available, version, draft 0 . 0 . 0	G: U:	MCC: N, A			
				remarks - general: remarks - this release: .		

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

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Server WITHDRAWN specs UMTS 23 .- series  
[http://www.3gpp.org/ftp/Specs/archive/23\\_series](http://www.3gpp.org/ftp/Specs/archive/23_series)

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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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**TS 24.05U UMTS Interworking and internetworking signalling aspects; Interworking of UMTS with other systems**  
UMTS *current version: none* *WG (prime / other): - / rapporteur: N, A* Indicate persons who left Company and wait for new  
*freeze\_meeting:* *G: U: MCC: N, A* One  
*history (event, available, version,*  
*remarks - general:*  
*remarks - this release: .*

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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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**TS 25.05U UMTS Radio Aspects; Multiplexing and multiple access**  
UMTS *current version: none* *WG (prime / other): - / rapporteur: N, A* Indicate persons who left Company and wait for new  
*freeze\_meeting:* *G: U: MCC: N, A* One  
*history (event, available, version,*  
*remarks - general:*  
*remarks - this release: .*

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**TS 25.10U UMTS Radio Aspects; Channel coding**  
UMTS *current version: none* *WG (prime / other): - / rapporteur: N, A* Indicate persons who left Company and wait for new  
*freeze\_meeting:* *G: U: MCC: N, A* One  
*history (event, available, version,*  
*remarks - general:*  
*remarks - this release: .*

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

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Server WITHDRAWN specs UMTS 25 .- series  
[http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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**TS 25.15U UMTS Radio Aspects; Modulation**  
UMTS *current version: none*  
*freeze\_meeting:*

*history (event, available, version,*

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,*

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,*

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

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Server WITHDRAWN specs UMTS 27 .- series  
[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,*  
First complete 01/05/1996 1 . 2 . 1

*WG (prime / other):* S5 / - *rapporteur:* GABE, Axel  
*G:* *U:* *MCC:* ZOICAS, Adrian

SIEMENS AG

[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,*

*WG (prime / other):* - / - *rapporteur:* SAMUKIC, Antun  
*G:* *U:* *MCC:* N, A

ERICSSON S.A.

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 07/07/1998 3 . 5 . 0  
smg-27 3 . 6 . 1

*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,*

*WG (prime / other):* - / - *rapporteur:* SAMUKIC, Antun  
*G:* *U:* *MCC:* N, A

ERICSSON S.A.

smg-22 3 . 0 . 0  
smg-23 3 . 1 . 0  
smg-24 3 . 2 . 0  
smg-25 07/07/1998 3 . 3 . 0  
smg-26 3 . 4 . 0  
post smg-27 08/08/2002 3 . 5 . 1

*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

[get it](#)

[get it](#)

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

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Server WITHDRAWN specs UMTS 30 .- series  
[http://www.3gpp.org/ftp/Specs/archive/30\\_series](http://www.3gpp.org/ftp/Specs/archive/30_series)

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<b>TR 30.02U</b>	<b>Experience from GSM standardisation to be applied at UMTS standardisation</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,</i>				
				<i>remarks - general:</i>	
				<i>remarks - this release:</i>	
<hr/>					
<b>TR 30.04U</b>	<b>Definition of the limited number of UTRA concepts</b>				
UMTS	<i>current version:</i> none		<i>WG (prime / other):</i> GP / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S
	<i>freeze_meeting:</i>		G: U:	Peter Skov	
	<i>history (event, available, version,</i>			USAI, Paolino	
	First complete 01/06/1997	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-22 14/06/1997	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #22: 3.0.0	
	ETSI publication 03/11/1998	3 . 0 . 1	<a href="#">get it</a>		
<hr/>					
<b>TR 30.05U</b>	<b>UMTS terminology</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,</i>				
				<i>remarks - general:</i>	
				<i>remarks - this release:</i>	
<hr/>					
<b>TR 30.20U</b>	<b>Technical characteristics, capabilities and limitations of mobile satellite systems applicable to the UMTS</b>				
UMTS	<i>current version:</i> none		<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> RAPELI, Juha	PHILIPS CONSUMER COMMUNICATION
	<i>freeze_meeting:</i>		G: U:	MCC:	N, A
	<i>history (event, available, version,</i>				
	Creation of WI by 13/06/1997	2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	WG/TB			<i>remarks - this release:</i> #24: 3.1.0	
	TB approval 30/08/1997	3 . 0 . 0	<a href="#">get it</a>		
	smg-24 19/12/1997	3 . 1 . 0	<a href="#">get it</a>		

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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)

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

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Server WITHDRAWN specs UMTS 31 .- series  
[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  
*freeze\_meeting:* G: U: yes MCC: One  
*history (event, available, version, 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  
*freeze\_meeting:* G: U: yes MCC: One  
*history (event, available, version, 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): SMG / - rapporteur: SZELAZEK, Bill 3*  
*freeze\_meeting:* G: U: yes MCC: SULTAN, Alain  
*history (event, available, version, 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)

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

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Server WITHDRAWN specs UMTS 33 .- series  
[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,*  
smg-19 13/06/1997 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,*  
draft 16/07/1998 0 . 1 . 0  
draft 22/07/1998 0 . 1 . 1  
draft 31/07/1998 0 . 1 . 2  
smg-27 31/07/1998 1 . 0 . 0  
draft 05/10/1998 1 . 0 . 1  
draft 19/10/1998 1 . 0 . 2  
draft 31/10/1998 1 . 0 . 3  
draft 20/11/1998 1 . 0 . 4  
draft 27/02/1999 1 . 1 . 0  
smg-28 27/02/1999 2 . 0 . 0  
smg-28 3 . 0 . 0  
smg-27 21/02/1999 3 . 0 . 0

*WG (prime / other):* - / - *rapporteur:*  
G: U: MCC: N, A

[get it](#) *remarks - general:*  
*remarks - this release:* #27: for info  
[get it](#)  
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[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,*  
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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G = required in systems with GERAN acces; U = required in systems with UMTS

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Server WITHDRAWN specs UMTS 34 .- series  
[http://www.3gpp.org/ftp/Specs/archive/34\\_series](http://www.3gpp.org/ftp/Specs/archive/34_series)

UMTS 35 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/35\\_series](http://www.3gpp.org/ftp/Specs/archive/35_series)

**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, draft)* 0 . 0 . 0 *G:* *U:* yes *MCC:* POPE, Maurice  
*remarks - general:*  
*remarks - this release:* .

## R98

R98 01 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/01\\_series](http://www.3gpp.org/ftp/Specs/archive/01_series)

**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, smg-27 16/10/1998 0 . 1 . 0* [get it](#) *remarks - general:*  
*smg-28 12/02/1999 7 . 0 . 0* [get it](#) *remarks - this release:*  
*smg-29 25/06/1999 7 . 1 . 0* [get it](#)  
*smg-30 11/11/1999 7 . 2 . 0* [get it](#) SP-15: withdrawn since SMG and PT-SMG no longer exist.

R98 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



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Server WITHDRAWN specs R98 02 .- series  
[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,

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

Research In Motion Limited

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,  
TP-09 withdrawn 04/10/2000 7 . 0 . 0

WG (prime / other): T2 / - rapporteur: HARRIS, Ian  
G: yes U: MCC: RODERMUND, Friedhelm

Research In Motion Limited

[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,

WG (prime / other): - / rapporteur: VAN DER AREND,  
G: yes U: MCC: N, A

Koninklijke KPN N.V.

remarks - general:  
remarks - this release: .

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

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Server WITHDRAWN specs R98 04 .- series  
[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>freeze_meeting:</i> smg-29								
	<i>history (event, available, version,</i>								
	draft 14/03/1997	0	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i> replaced by 08.62
	draft 16/02/1998	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 27/03/1998	1	.	1	.	0		<a href="#">get it</a>	
	draft 13/07/1998	1	.	2	.	1		<a href="#">get it</a>	
	draft 31/07/1998	1	.	3	.	0		<a href="#">get it</a>	
	draft 17/09/1998	1	.	3	.	5		<a href="#">get it</a>	
	draft 18/09/1998	1	.	4	.	0		<a href="#">get it</a>	
	draft 28/09/1998	1	.	5	.	0		<a href="#">get it</a>	
	draft 05/10/1998	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>freeze_meeting:</i> smg-29								
	<i>history (event, available, version,</i>								
	smg-26 26/06/1998	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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G = required in systems with GERAN acces; U = required in systems with UMTS

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Server WITHDRAWN specs R98 10 .- series  
[http://www.3gpp.org/ftp/Specs/archive/10\\_series](http://www.3gpp.org/ftp/Specs/archive/10_series)

## TS 10.71 Project scheduling and open issues: Location services (LCS)

R98 *current version:* none  
*freeze\_meeting:* smg-29  
*history (event, available, version,*

*WG (prime / other):* S1 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*G: yes U:* *MCC:* CLAYTON, Michael

Maui	17/01/1999	0	.	0	.	0
Maui	20/01/1999	0	.	0	.	1
Chicago	31/01/1999	0	.	0	.	2
Chicago	04/02/1999	1	.	0	.	0
Cambridge	10/06/1999	2	.	0	.	0
Dallas	09/07/1999	2	.	0	.	1
San Diego	21/07/1999	2	.	0	.	2
Dallas	03/09/1999	2	.	0	.	3
King of Prussia	14/09/1999	2	.	0	.	4
Phoenix &	30/10/1999	2	.	0	.	5
Clearwater						
Raleigh	03/11/1999	2	.	0	.	6
smg-30	11/11/1999	2	.	0	.	6
Phoenix	29/11/1999	2	.	0	.	7
smg-30b	06/12/1999	2	.	0	.	7
Colorado Spring	03/01/2000	2	.	0	.	8
Dallas	05/01/2000	2	.	0	.	9
smg-31	24/01/2001	2	.	1	.	0
Puerto Vallarta	26/01/2000	3	.	0	.	0
smg-29	25/06/1999	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

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Server WITHDRAWN specs R98 10 .- series  
[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  
*freeze\_meeting:* smg-29  
*history (event, available, version,*  
draft 08/02/1997 0 . 0 . 0  
draft 24/03/1997 0 . 1 . 0  
draft 27/03/1997 0 . 1 . 1  
draft 09/04/1997 0 . 1 . 2  
draft 07/05/1997 0 . 2 . 0  
smg-22 10/06/1997 1 . 0 . 0  
draft 19/06/1997 1 . 1 . 0  
draft 09/07/1997 1 . 2 . 0  
draft 10/09/1997 1 . 3 . 0  
smg-23 10/10/1997 1 . 3 . 2  
draft 22/10/1997 1 . 4 . 0  
draft 02/12/1997 1 . 5 . 0  
draft 04/06/1998 1 . 6 . 0  
smg-25 10/03/1998 1 . 6 . 0 abandoned

*WG (prime / other):* S2 / - *rapporteur:* APRATH, Stefan  
*G: yes U:* *MCC:* YOON, Sang-Ui

Vodafone D2 GmbH

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* July 2002: abandoned  
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**TR 10.87 User to User Signalling (UUS)**

R98 *current version:* none  
*freeze\_meeting:* smg-29  
*history (event, available, version,*

*WG (prime / other):* S2 / GP *rapporteur:* CONRAD, Alan  
*G: yes U:* *MCC:* YOON, Sang-Ui

T-MOBILE DEUTSCHLAND

*remarks - general:*  
*remarks - this release:* No draft ever produced.

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**TR 10.94 Follow Me supplementary service**

R98 *current version:* none  
*freeze\_meeting:* smg-29  
*history (event, available, version,*

*WG (prime / other):* SP / - *rapporteur:* POSTMANN, Erwin  
*G: yes U:* *MCC:* POPE, Maurice

SIEMENS AG

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

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Server WITHDRAWN specs R98 11 .- series  
[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>			
R98	<i>current version:</i> none <i>freeze_meeting:</i> smg-29	<i>WG (prime / other):</i> G3ne / S1 / NP / T2 / SCP	<i>rapporteur:</i> SALMERON, Lidia	TELEPLUS LIMITED
	<i>history (event, available, version,</i>	G: yes U:	MCC: CLAYTON, Michael	
			<i>remarks - general:</i> 2001-11-19: G4->G5. <i>remarks - this release:</i> Place holder; no draft ever produced (refer to Phase 2 version).	
<hr/>				
<b>TS 11.10-3</b>	<b>Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)</b>			
R98	<i>current version:</i> none <i>freeze_meeting:</i> smg-29	<i>WG (prime / other):</i> G3ne / S1 / NP / T2 / SCP	<i>rapporteur:</i> SALMERON, Lidia	TELEPLUS LIMITED
	<i>history (event, available, version,</i>	G: yes U:	MCC: CLAYTON, Michael	
			<i>remarks - general:</i> 2001-11-19: G4->G5. <i>remarks - this release:</i> Place holder; no draft ever produced (refer to Phase 2 version).	
<hr/>				
<b>TS 11.10-4</b>	<b>Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification</b>			
R98	<i>current version:</i> none <i>freeze_meeting:</i> smg-29	<i>WG (prime / other):</i> T3 / G2, G3ne w	<i>rapporteur:</i> SALMERON, Lidia	TELEPLUS LIMITED
	<i>history (event, available, version,</i> GP-13 21/02/2003 7 . 0 . 0	G: yes U:	MCC: DIETZE, Claus	
	derived from R96 by CR; also to withdraw the R96 version, since the	<a href="#">get it</a>	<i>remarks - general:</i> TP-17: T3 proposes to take over this spec from G5, and to approve a new R99 version not <i>remarks - this release:</i> Place holder; no draft ever produced (refer to Phase 2 version).	
			R99 version will cover all previous Releases. TP-20: accepted by T3 (from G4).	

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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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[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>				
R97	<i>current version:</i> none	<i>WG (prime / other):</i> SP / -	<i>rapporteur:</i> BERGMANN, Ansgar	Deutsche Telekom AG	
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice		
	<i>history (event, available, version,</i>				
			<i>remarks - general:</i>		
			<i>remarks - this release:</i> No spec this Release.		
<hr/>					
<b>TR 01.31</b>	<b>Fraud Information Gathering System (FIGS); Service requirements; Stage 0</b>				
R97	<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-26	<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice		
	<i>history (event, available, version,</i>				
			<i>remarks - general:</i>		
			<i>remarks - this release:</i> No spec this version.		
<hr/>					
	R97	02 .- series	Server location: <a href="http://www.3gpp.org/ftp/Specs/archive/02_series">http://www.3gpp.org/ftp/Specs/archive/02_series</a>		
<hr/>					
<b>TS 02.31</b>	<b>Fraud Information Gathering System (FIGS); Service description; Stage 1</b>				
R97	<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-26	<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice		
	<i>history (event, available, version,</i>				
			<i>remarks - general:</i>		
			<i>remarks - this release:</i> No spec this Release		
<hr/>					
<b>TS 02.33</b>	<b>Lawful Interception (LI); Stage 1</b>				
R97	<i>current version:</i> none	<i>WG (prime / other):</i> S3 /	<i>rapporteur:</i> MCKIBBEN, Bernie	MOTOROLA GmbH	
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice		
	<i>history (event, available, version,</i>				
			<i>remarks - general:</i>		
			<i>remarks - this release:</i> (No spec this Release)		

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[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**

R97  
current version: none  
freeze\_meeting: smg-26  
history (event, available, version,

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

Research In Motion Limited

remarks - general: Moved from T3 Jan-00.  
remarks - this release: Place holder - no spec.

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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  
freeze\_meeting: smg-26

WG (prime / other): N4 / SPA rapporteur: KYMALAINEN, Kimmo TeliaSonera AB  
N/  
T2

G: yes U: MCC: KYMALAINEN, Kimmo

history (event, available, version,  
smg-27 16/10/1998 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  
freeze\_meeting: smg-26

WG (prime / other): T2 / - rapporteur: HARRIS, Ian Research In Motion Limited  
G: yes U: MCC: RODERMUND, Friedhelm

history (event, available, version,  
smg-27 16/10/1998 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  
freeze\_meeting: smg-26

WG (prime / other): - / - rapporteur: NAPER, Hans Petter MOTOROLA GmbH  
G: yes U: MCC: N, A

history (event, available, version,  
draft 20/03/1998 0 . 7 . 1

[get it](#) remarks - general: Withdrawn since details included in the stage 3 spec.  
remarks - this release: .

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Server WITHDRAWN specs R97 03 .- series  
[http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

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**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,*  
*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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**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,*  
*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,*  
Table of Contents 14/11/1996 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,*  
*remarks - general:*  
*remarks - this release: .*

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Server WITHDRAWN specs R97 05 .- series  
[http://www.3gpp.org/ftp/Specs/archive/05\\_series](http://www.3gpp.org/ftp/Specs/archive/05_series)

R97 08 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/08\\_series](http://www.3gpp.org/ftp/Specs/archive/08_series)

**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,*  
First complete 15/07/1996 1 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

R97 09 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/09\\_series](http://www.3gpp.org/ftp/Specs/archive/09_series)

**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,*  
smg-27 16/10/1998 6 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* #27: 6.0.0 #32: withdrawn

R97 10 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/10\\_series](http://www.3gpp.org/ftp/Specs/archive/10_series)

**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  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* N, A One  
*history (event, available, version,*  
draft 23/10/1997 0 . 0 . 2 [get it](#) *remarks - general:* 2001-11-20: stopped - obviously no interest!  
*remarks - this release:* .

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[http://www.3gpp.org/ftp/Specs/archive/10\\_series](http://www.3gpp.org/ftp/Specs/archive/10_series)

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**TR 10.17 General Packet Radio Service (GPRS); Charging in GPRS**

R97  
*current version:* none  
*freeze\_meeting:* smg-26  
*history (event, available, version,*  
smg-25 20/03/1998 1 . 0 . 0

*WG (prime / other):* - / - *rapporteur:* HEATON, Graham Aether Systems Inc.  
*G: yes U:* *MCC:* N, A

[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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**TR 10.20 Lawful Interception requirements for GSM**

R97  
*current version:* none  
*freeze\_meeting:* smg-26  
*history (event, available, version,*  
smg-27 16/10/1998 6 . 0 . 0

*WG (prime / other):* S3 / - *rapporteur:* MCKIBBEN, Bernie MOTOROLA GmbH  
*G: yes U:* *MCC:* POPE, Maurice

[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  
*freeze\_meeting:* smg-26  
*history (event, available, version,*  
smg-25 6 . 0 . 0

*WG (prime / other):* S2 / - *rapporteur:*  
*G: yes U:* *MCC:* YOON, Sang-Ui

*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  
*freeze\_meeting:* smg-26

*WG (prime / other):* G3ne / S1 / *rapporteur:* SALMERON, Lidia TELEPLUS LIMITED  
NP /  
T2 /  
SCP

*G: yes U:* *MCC:* CLAYTON, Michael

*history (event, available, version,*

*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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<b>TS 11.10-3</b>	<b>Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)</b>				
R97	<i>current version:</i> none <i>freeze_meeting:</i> smg-26	<i>WG (prime / other):</i> G3ne / S1 / NP / T2 / SCP	<i>rapporteur:</i> SALMERON, Lidia	TELEPLUS LIMITED	
	<i>history (event, available, version,</i>	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> CLAYTON, Michael		
			<i>remarks - general:</i> 2001-11-19: G4->G5. <i>remarks - this release:</i> Place holder; no draft ever produced (refer to Phase 2 version).		
<hr/>					
<b>TS 11.10-4</b>	<b>Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification</b>				
R97	<i>current version:</i> none <i>freeze_meeting:</i> smg-26	<i>WG (prime / other):</i> T3 / G2, G3ne w	<i>rapporteur:</i> SALMERON, Lidia	TELEPLUS LIMITED	
	<i>history (event, available, version,</i>	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> DIETZE, Claus		
	GP-13 21/02/2003 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> TP-17: T3 proposes to take over this spec from G5, and to approve a new R99 <i>remarks - this release:</i> Place holder; no draft ever produced (refer to Phase 2 version). 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).		
<hr/>					
<b>TS 11.21</b>	<b>Base Station System (BSS) equipment specification; Radio aspects</b>				
R97	<i>current version:</i> none <i>freeze_meeting:</i> smg-26	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> VACANT,		
	<i>history (event, available, version,</i>	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> USAI, Paolino		
	GP-09 06/05/2002 6 . 0 . 0 not produced post smg-27; withdrawn GP-12 6 . 1 . 0 CRs unimplementable; spec is	<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #27:6.0.0 (Rodermund: not required [Aug-00]). GP-09 (Usai) resurrected. GP-12 (Usai): scrapped again.		
<hr/>					
<b>TS 11.56</b>	<b>CTS phase 1, CTS Fixed Part Tests</b>				
R97	<i>current version:</i> none <i>freeze_meeting:</i> smg-26	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> MATTISSON, Leif	Telefon AB LM Ericsson	
	<i>history (event, available, version,</i>	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> N, A		
			<i>remarks - general:</i> <i>remarks - this release:</i> .		

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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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				Server	WITHDRAWN specs R96 01 .- series <a href="http://www.3gpp.org/ftp/Specs/archive/01_series">http://www.3gpp.org/ftp/Specs/archive/01_series</a>
<b>TR 01.31</b>	<b>Fraud Information Gathering System (FIGS); Service requirements; Stage 0</b>				
R96	<i>current version:</i> none <i>freeze_meeting:</i> smg-22	<i>WG (prime / other):</i> S3 / - <i>G: yes U:</i>	<i>rapporteur:</i> WRIGHT, Tim <i>MCC:</i> POPE, Maurice		Indicate persons who left Company and wait for new One
	<i>history (event, available, version, smg-23 17/10/1997 5 . 0 . 0 withdraw n, smg-25</i>	<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #25: withdrawn		
<b>TR 01.50</b>	<b>Radio Local Loop (RLL) using GSM</b>				
R96	<i>current version:</i> none <i>freeze_meeting:</i> smg-22	<i>WG (prime / other):</i> SMG / <i>G: yes U:</i>	<i>rapporteur:</i> CLAYTON, Michael <i>MCC:</i> CLAYTON, Michael		EMCOM Ltd
	<i>history (event, available, version, draft 07/11/1995 1 . 0 . 0</i>	<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .		
<b>TR 01.51</b>	<b>Dual mode of operation and roaming</b>				
R96	<i>current version:</i> none <i>freeze_meeting:</i> SP-11	<i>WG (prime / other):</i> SMG / - <i>G: yes U:</i>	<i>rapporteur:</i> VACANT, <i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>		<i>remarks - general:</i> <i>remarks - this release:</i> .		
<b>TS 01.61</b>	<b>General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements</b>				
R96	<i>current version:</i> none <i>freeze_meeting:</i> smg-22	<i>WG (prime / other):</i> S3 / - <i>G: yes U:</i>	<i>rapporteur:</i> WALKER, Michael <i>MCC:</i> POPE, Maurice		VODAFONE Group Plc
	<i>history (event, available, version, smg-23 5 . 0 . 0 SMG-25 withdrawn</i>		<i>remarks - general:</i> <i>remarks - this release:</i> #25: withdrawn		
<b>TS 01.78</b>	<b>Customized Applications for Mobile networks using Enhanced Logic (CAMEL); Stage 0</b>				
R96	<i>current version:</i> none <i>freeze_meeting:</i> smg-22	<i>WG (prime / other):</i> - / - <i>G: yes U:</i>	<i>rapporteur:</i> <i>MCC:</i> N, A		
	<i>history (event, available, version,</i>		<i>remarks - general:</i> <i>remarks - this release:</i> .		

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[http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

R96 02 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

<b>TS 02.18</b> R96 current version: none freeze_meeting: smg-22 history (event, available, version,	<b>Interworking with non-GSM applications on the SIM to be accessed via the GSM network</b> WG (prime / other): - / G: yes U:	rapporteur: SCHMIDT, Günter MCC: N, A	DETEMOBIL GMBH	remarks - general: remarks - this release: .
<b>TS 02.25</b> R96 current version: none freeze_meeting: smg-22 history (event, available, version,	<b>GSM - DCS roaming: Requirements and Stage 1 descriptions</b> WG (prime / other): - / G: yes U:	rapporteur: LE ROUX, Alain MCC: N, A	France Telecom	remarks - general: remarks - this release: .
<b>TS 02.26</b> R96 current version: none freeze_meeting: smg-22 history (event, available, version,	<b>Operation of multi-band GSM/DCS 1800 network by a single operator</b> WG (prime / other): - / G: yes U:	rapporteur: LJUNGGREN, Tommy MCC: N, A	Northstream AB	remarks - general: remarks - this release: .
<b>TS 02.27</b> R96 current version: none freeze_meeting: smg-22 history (event, available, version,	<b>DECT access to GSM networks</b> WG (prime / other): - / G: yes U:	rapporteur: CONRAD, Alan MCC: N, A	T-MOBILE DEUTSCHLAND	remarks - general: remarks - this release: .
<b>TS 02.28</b> R96 current version: none freeze_meeting: smg-22 history (event, available, version,	<b>UPT phase 1</b> WG (prime / other): - / G: yes U:	rapporteur: KOSYDAR, L MCC: N, A	Indicate persons who left Company and wait for new One	remarks - general: remarks - this release: .

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<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,</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,</i>				
	draft 13/05/1997 1 . 0 . 0	<a href="#">get it</a>			<i>remarks - general:</i>
	draft 01/10/1997 2 . 0 . 0	<a href="#">get it</a>			<i>remarks - this release:</i> #26: withdrawn
	smg-23 17/10/1997 5 . 0 . 0 withdrawn	<a href="#">get it</a>			
<hr/>					
<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	G: yes U:	MCC:	POPE, Maurice	
	<i>history (event, available, version,</i>				
	smg-19 1 . 0 . 0				<i>remarks - general:</i>
	smg-20 2 . 0 . 0				<i>remarks - this release:</i>
	smg-20 11/10/1996 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	G: yes U:	MCC:	N, A	
	<i>history (event, available, version,</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	G: yes U:	MCC:	N, A	
	<i>history (event, available, version,</i>				
					<i>remarks - general:</i>
					<i>remarks - this release:</i> .

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<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	G: yes U:	MCC: N, A		
	<i>history (event, available, version,</i>				
	smg-29 1 . 0 . 0				<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	G: yes U:	MCC: CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-29 1 . 0 . 0				<i>remarks - general:</i> Moved from T3 Jan-00.
					<i>remarks - this release:</i>
<hr/>					
<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:	MCC: USAI, Paolino		
	<i>history (event, available, version,</i>				
	smg-23 5 . 0 . 0				<i>remarks - general:</i> SMG11->S4 at SMG#30
	smg-24 5 . 1 . 0				<i>remarks - this release:</i>
	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:	MCC: CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-21 14/02/1997 5 . 0 . 0				<a href="#">get it</a> <i>remarks - general:</i>
	smg-23 17/10/1997 5 . 1 . 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-24 19/12/1997 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> VACANT,		
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC: CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-24 19/12/1997 5 . 0 . 0				<a href="#">get it</a> <i>remarks - general:</i>
					<i>remarks - this release:</i> #24: 5.0.0 @25: withdrawn

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<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> HABERMANN, Steffen	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-19 28/06/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<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,</i>				
			<i>remarks - general:</i>		
			<i>remarks - this release:</i> .		
<hr/>					
<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:	<i>MCC:</i> N, A		
	<i>history (event, available, version,</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> CONRAD, Alan	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-18 12/04/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-20 11/10/1996 5 . 1 . 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-21 14/02/1997 5 . 2 . 0	<a href="#">get it</a>			
	edito 19/01/1996 5 . 2 . 1	<a href="#">get it</a>			
	smg-23 17/10/1997 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:	<i>MCC:</i> N, A		
	<i>history (event, available, version,</i>				
			<i>remarks - general:</i>		
			<i>remarks - this release:</i> .		

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<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	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-16	5 . 0 . 0			<i>remarks - general:</i>
	smg-19	5 . 1 . 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-20	5 . 2 . 0			
	smg-22	5 . 3 . 0			
	smg-23	5 . 4 . 0			
	smg-24	5 . 5 . 0			

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<b>TS 02.96</b>	<b>Name Identification Supplementary Services; Stage 1</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-24	5 . 0 . 0			<i>remarks - general:</i>
					<i>remarks - this release:</i> #24: 5.0.0 #25: withdrawn

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<b>TS 02.97</b>	<b>Multiple Subscriber Profile (MSP) 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	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-19 28/06/1996	5 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>
	smg-22 13/06/1997	5 . 1 . 0	<a href="#">get it</a>		<i>remarks - this release:</i> #19: 5.0.0 #22: 5.1.0 #23: 5.2.0 #25: withdrawn
	ETSI publication 15/09/1997	5 . 1 . 1	<a href="#">get it</a>		
	smg-23 17/10/1997	5 . 2 . 0	<a href="#">get it</a>		

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<b>TS 02.98</b>	<b>New barring services; Stage 1</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> SCHMIDT, Günter	DETEMOBIL GMBH	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> N, A		
	<i>history (event, available, version,</i>				
					<i>remarks - general:</i>
					<i>remarks - this release:</i> .

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**TS 02.99 Direct Subscriber Access and Restriction (DSAR); Stage1**

R96 *current version: none*  
*freeze\_meeting: smg-22*  
*history (event, available, version,*

*WG (prime / other): - /* *rapporteur: CHAPMAN, Neil*  
*G: yes U:* *MCC: N, A*

ORANGE PCS LTD

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

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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**

R96 *current version: none*  
*freeze\_meeting: smg-22*

*WG (prime / other): N4 / SPA* *rapporteur: KYMALAINEN, Kimmo* *TeliaSonera AB*  
*N /*  
*T2*

*G: yes U:* *MCC: KYMALAINEN, Kimmo*

*history (event, available, version,*  
*smg-20 11/10/1996 5 . 0 . 0*

[get it](#) *remarks - general:*  
*remarks - this release: #20: 5.0.0 (To be withdrawn)*

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**TS 03.17 Technical realization of Exchange of Network Capabilities Information (ENCI); Stage 2**

R96 *current version: none*  
*freeze\_meeting: smg-22*

*WG (prime / other): - /* *rapporteur: APRATH, Stefan* *Vodafone D2 GmbH*  
*G: yes U:* *MCC: N, A*

*history (event, available, version,*  
*Table of Contents 01/09/1996 0 . 4 . 0*  
*and Scope*

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

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**TS 03.36 Premium rate services- stage 2**

R96 *current version: none*  
*freeze\_meeting: smg-22*  
*history (event, available, version,*

*WG (prime / other): - /* *rapporteur:*  
*G: yes U:* *MCC: N, A*

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

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<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>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,</i>				
	TP-09 (Withdrawn) 28/09/2000 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> TSG#9:withdrawn cos contains misleading information/references		
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	<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>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> ZHAO, Yilin	MOTOROLA Ltd	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> YOON, Sang-Ui		
	<i>history (event, available, version,</i>				
	smg-23 5 . 0 . 0		<i>remarks - general:</i>		
	smg-24 5 . 1 . 0		<i>remarks - this release:</i> .		
	smg-25 5 . 2 . 0				
	5 . 3 . 0 withdrawn, SMG-25				
<hr/>					
<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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	smg-23 5 . 1 . 0		<i>remarks - general:</i>		
	smg-24 5 . 2 . 0		<i>remarks - this release:</i> .		
	withdrawn SMG-25				
<hr/>					
<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	<i>G: yes U:</i>	<i>MCC:</i> N, A		
	<i>history (event, available, version,</i>				
			<i>remarks - general:</i>		
			<i>remarks - this release:</i> .		
<hr/>					
<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	<i>G: yes U:</i>	<i>MCC:</i> N, A		
	<i>history (event, available, version,</i>				
			<i>remarks - general:</i>		
			<i>remarks - this release:</i> Scrapped Jan 98.		

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**TS 03.98 New barring services; Stage 2 description**

R96 *current version: none*  
*freeze\_meeting: smg-22*  
*history (event, available, version,*

*WG (prime / other): - / rapporteur: VAN DER AREND,*  
*G: yes U: MCC: N, A*

Koninklijke KPN N.V.

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

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**TS 03.99 Direct Subscriber Access and Restriction (DSAR); Stage 2**

R96 *current version: none*  
*freeze\_meeting: smg-22*  
*history (event, available, version,*

*WG (prime / other): - / rapporteur: VAN DER AREND,*  
*G: yes U: MCC: N, A*

Koninklijke KPN N.V.

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

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**TS 04.36 Premium rate services- stage 3**

R96 *current version: none*  
*freeze\_meeting: smg-22*  
*history (event, available, version,*

*WG (prime / other): - / rapporteur:*  
*G: yes U: MCC: N, A*

*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*  
*freeze\_meeting: smg-22*  
*history (event, available, version,*  
smg-23 17/10/1997 5 . 0 . 0  
smg-24 19/12/1997 5 . 1 . 0

*WG (prime / other): N1 / - rapporteur: DOIG, Ian MOTOROLA S.A.S*  
*G: yes U: MCC: JORGENSEN, Per Johan*

[get it](#) *remarks - general:*  
[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 (SNDCCP)**  
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,*  
smg-23 17/10/1997 5 . 0 . 0 [get it](#) *remarks - general:* 24.065 existed, but scrapped since 04.65 is GSM only.  
smg-24 19/12/1997 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,*  
*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, Koninklijke KPN N.V.  
*freeze\_meeting: smg-22* G: yes U: MCC: N, A  
*history (event, available, version,*  
*remarks - general:*  
*remarks - this release: .*

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**TS 04.78 Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 3**  
R96 *current version: none* WG (prime / other): - / rapporteur: VAN DER AREND, Koninklijke KPN N.V.  
*freeze\_meeting: smg-22* G: yes U: MCC: N, A  
*history (event, available, version,*  
*remarks - general:*  
*remarks - this release: .*

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**TS 04.79 Support of optimal routing; Stage 3**  
R96 *current version: none* WG (prime / other): - / rapporteur: VAN DER AREND, Koninklijke KPN N.V.  
*freeze\_meeting: smg-22* G: yes U: MCC: N, A  
*history (event, available, version,*  
*remarks - general:*  
*remarks - this release: .*

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

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Server WITHDRAWN specs R96 04 .- series  
[http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

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**TS 04.98 New barring services; Stage 3**

R96 *current version: none*  
*freeze\_meeting: smg-22*  
*history (event, available, version,*

*WG (prime / other): - /* *rapporteur: VAN DER AREND,*  
*G: yes U: MCC: N, A*

Koninklijke KPN N.V.

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

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**TS 04.99 Direct subscriber access and restriction; Stage 3**

R96 *current version: none*  
*freeze\_meeting: smg-22*  
*history (event, available, version,*

*WG (prime / other): - /* *rapporteur: VAN DER AREND,*  
*G: yes U: MCC: N, A*

Koninklijke KPN N.V.

*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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**TS 05.00 Service to GSM handportables in trains**

R96 *current version: none*  
*freeze\_meeting: smg-22*  
*history (event, available, version,*

*WG (prime / other): - /* *rapporteur: VOSKAR, Paul*  
*G: yes U: MCC: N, A*

NOKIA UK Ltd

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

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**TS 05.18 Hands free mobile station**

R96 *current version: none*  
*freeze\_meeting: smg-22*

*history (event, available, version,*

*WG (prime / other): - /* *rapporteur: ANDERSEN, Niels*  
*G: yes U: MCC: Peter Skov*  
*N, A*

MOTOROLA A/S

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

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

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Server WITHDRAWN specs R96 05 .- series  
[http://www.3gpp.org/ftp/Specs/archive/05\\_series](http://www.3gpp.org/ftp/Specs/archive/05_series)

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**TS 05.19 Service to GSM handportables in trains**  
R96 *current version: none*  
*freeze\_meeting: smg-22*

*history (event, available, version,*

WG (prime / other): - / rapporteur: WILTSHIRE, Timothy  
G: yes U: MCC: Robin  
N, A

Indicate persons who left Company and wait for new One

remarks - general:  
remarks - this release: .

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**TR 05.20 Fast moving Mobile Station (study)**  
R96 *current version: none*  
*freeze\_meeting: smg-22*

*history (event, available, version,*

WG (prime / other): - / rapporteur: REINER, Michaël  
G: yes U: MCC: N, A

Eads Telecom Deutschland GmbH

remarks - general:  
remarks - this release: .

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**TS 05.30 General packet radio service requirements**  
R96 *current version: none*  
*freeze\_meeting: smg-22*

*history (event, available, version,*

WG (prime / other): - / rapporteur: CONRAD, Alan  
G: yes U: MCC: N, A

T-MOBILE DEUTSCHLAND

remarks - general:  
remarks - this release: .

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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*  
*freeze\_meeting: smg-22*

*history (event, available, version,*

WG (prime / other): - / rapporteur: CANDISH, John  
G: yes U: MCC: N, A

Xtempus Ltd

remarks - general:  
remarks - this release: .

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



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Server WITHDRAWN specs R96 08 .- series  
[http://www.3gpp.org/ftp/Specs/archive/08\\_series](http://www.3gpp.org/ftp/Specs/archive/08_series)

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* MOTOROLA A/S  
*freeze\_meeting: smg-22* Peter Skov  
G: yes U: MCC: THOMASEN, Gert  
*history (event, available, version,*  
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* MOTOROLA A/S  
*freeze\_meeting: smg-22* Peter Skov  
G: yes U: MCC: THOMASEN, Gert  
*history (event, available, version,*  
smg-24 19/12/1997 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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**TS 09.12** **Application of ISUP Version 2 for the ISDN-PLMN (GSM) Signalling**  
R96 *current version: none* *WG (prime / other): SPA / N4* *rapporteur: HÄNDIG, Peter* Telia Mobile AB  
*freeze\_meeting: smg-22* MCC:  
*history (event, available, version,*  
draft (ETSI TC 10/11/1997 5 . 2 . 1 [get it](#) *remarks - general:* EN 300 646  
SPS) *remarks - this release: .*  
draft (ETSI TC 18/05/1999 5 . 3 . 0 [get it](#)  
SPS) [get it](#)  
SPS1 approval 21/05/1999 5 . 3 . 1 [get it](#)

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

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Server WITHDRAWN specs R96 09 .- series  
[http://www.3gpp.org/ftp/Specs/archive/09\\_series](http://www.3gpp.org/ftp/Specs/archive/09_series)

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**TS 09.20 Support of Shared Data Interworking Function**

R96 *current version:* none  
*freeze\_meeting:* smg-22  
*history (event, available, version,*

*WG (prime / other):* - / *rapporteur:*  
*G: yes U:* *MCC:* N, A

*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  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-24 19/12/1997 5 . 0 . 0

*WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo TeliaSonera AB  
*G: yes U:* *MCC:* KYMALAINEN, Kimmo

[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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**TR 10.20 Lawful Interception requirements for GSM**

R96 *current version:* none  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0  
ETSI publication 20/01/1997 5 . 0 . 1

*WG (prime / other):* S3 / - *rapporteur:* MCKIBBEN, Bernie MOTOROLA GmbH  
*G: yes U:* *MCC:* POPE, Maurice

[get it](#) *remarks - general:* Replaced by 01.33.  
[get it](#) *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

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Server WITHDRAWN specs R96 10 .- series  
[http://www.3gpp.org/ftp/Specs/archive/10\\_series](http://www.3gpp.org/ftp/Specs/archive/10_series)

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<b>TS 10.60</b>	<b>General Packet Radio Services (GPRS); Project Scheduling and Open Issues</b>								
R96	<i>current version:</i> none	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i>						
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC:	YOON, Sang-Ui					
	<i>history (event, available, version,</i>								
	smg-21 14/02/1997 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>					
	smg-22 13/06/1997 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release: #25: (5.x.y w ithdrawn)</i>					
	smg-24 08/10/1997 5 . 2 . 0		<a href="#">get it</a>						
	draft 28/10/1997 5 . 2 . 1		<a href="#">get it</a>						
	draft 10/12/1998 5 . 3 . 0		<a href="#">get it</a>						
	smg-24 20/12/1997 5 . 3 . 1		<a href="#">get it</a>						
	draft 05/02/1998 5 . 3 . 2		<a href="#">get it</a>						
	draft 12/02/1998 5 . 3 . 3		<a href="#">get it</a>						
	draft 15/02/1998 5 . 3 . 4		<a href="#">get it</a>						
	draft 15/03/1998 5 . 3 . 5		<a href="#">get it</a>						
	draft 05/03/1998 5 . 4 . 0		<a href="#">get it</a>						
	smg-25 15/03/1998 5 . 4 . 1		<a href="#">get it</a>						
	draft 06/04/1998 5 . 4 . 2		<a href="#">get it</a>						
<hr/>									
<b>TR 10.66</b>	<b>Support of Mobile Number Portability (MNP); Project plan</b>								
R96	<i>current version:</i> none	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> TARAZI, Roger	EDP Telecom					
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC:	CLAYTON, Michael					
	<i>history (event, available, version,</i>								
	smg-21 5 . 0 . 0			<i>remarks - general:</i>					
				<i>remarks - this release: .</i>					
<hr/>									
<b>TR 10.68</b>	<b>Introduction to the services: enhanced Multi-Level Precedence and Pre-emption (eMLPP), Voice Group Call Service (VGCS), Voice Broadcast Service (VBS)</b>								
R96	<i>current version:</i> none	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> VAN DER AREND,	Koninklijke KPN N.V.					
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC:	YOON, Sang-Ui					
	<i>history (event, available, version,</i>								
	smg-21 5 . 0 . 0 abandoned			<i>remarks - general:</i>					
				<i>remarks - this release: May-2000: spec never produced; Sultan investigating the need. July-2001: scrap.</i>					

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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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Server WITHDRAWN specs R96 11 .- series  
[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* *freeze\_meeting: smg-22* WG (prime / other): G3ne / S1 / rapporteur: SALMERON, Lidia TELEPLUS LIMITED  
NP /  
T2 /  
SCP  
G: yes U: MCC: CLAYTON, Michael  
*history (event, available, version,*  
*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* *freeze\_meeting: smg-22* WG (prime / other): T3 / - rapporteur: LINDHOLM, Rune NOKIA MOBILE PHONES  
G: yes U: MCC: DIETZE, Claus  
*history (event, available, version,*  
smg-16? 25/01/1996 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* *freeze\_meeting: smg-22* WG (prime / other): G1 / - rapporteur: VACANT,  
G: yes U: MCC: USAI, Paolino  
*history (event, available, version,*  
smg-22 13/06/1997 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-23 17/10/1997 5 . 1 . 0 [get it](#) *remarks - this release:*  
smg-25 20/03/1998 5 . 2 . 0 [get it](#)  
smg-26 26/06/1998 5 . 3 . 0 [get it](#)  
smg-27 16/10/1998 5 . 4 . 0 [get it](#)  
Editorial correction 16/10/1998 5 . 4 . 1 [get it](#)  
GP-09 15/05/2002 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)

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

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Server WITHDRAWN specs R96 12 .- series  
[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: none</i>	<i>WG (prime / other):</i>	S5 / S1 /	<i>rapporteur:</i>	TRUSS, Michael	MOTOROLA Ltd
	<i>freeze_meeting: smg-22</i>		NP			
	<i>history (event, available, version,</i>	<i>G: yes U:</i>		<i>MCC:</i>	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: none</i>	<i>WG (prime / other):</i>	S5 / S1 /	<i>rapporteur:</i>	TOCHE, Christian	NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting: smg-22</i>		NP			
	<i>history (event, available, version,</i>	<i>G: yes U:</i>		<i>MCC:</i>	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: none</i>	<i>WG (prime / other):</i>	SP / -	<i>rapporteur:</i>	VACANT,	
	<i>freeze_meeting:</i>	<i>G: yes U:</i>		<i>MCC:</i>	POPE, Maurice	
	<i>history (event, available, version,</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

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WITHDRAWN specs Ph2 01 .- series  
Server [http://www.3gpp.org/ftp/Specs/archive/01\\_series](http://www.3gpp.org/ftp/Specs/archive/01_series)

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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,*  
*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,*  
*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,*  
draft 21/08/1995 0 . 1 . 0 [get it](#) *remarks - general:*  
draft 01/06/1994 4 . 0 . 0 [get it](#) *remarks - this release: #16: withdrawn*

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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,*  
smg-16 20/10/1995 4 . 0 . 0 [get it](#) *remarks - general: TSG#9:w ithdrawn cos contains misleading information/references*  
*remarks - this release: #16: 4.0.0 TSG#9:withdrawn cos contains misleading information/references*

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

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Server WITHDRAWN specs Ph2 03 .- series  
[http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

Ph2 07 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/07\\_series](http://www.3gpp.org/ftp/Specs/archive/07_series)

**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,*

ETSI publication 13/09/1994 4 . 1 . 2

ETSI OAP 06/03/1995 4 . 2 . 0

ETSI publication 01/08/1995 4 . 2 . 1

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

[get it](#) *remarks - this release:* #7: 4.1.0 #13: 4.2.0 #15: withdrawn

[get it](#)

Ph2 08 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/08\\_series](http://www.3gpp.org/ftp/Specs/archive/08_series)

**TS 08.59 BSC-BTS O&M Signalling Transport**

Ph2 *current version:* none *WG (prime / other):* G1 / - *rapporteur:* VACANT, USAI, Paolino

*freeze\_meeting:*

*history (event, available, version,*

*remarks - general:*

*remarks - this release:*

Ph2 09 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/09\\_series](http://www.3gpp.org/ftp/Specs/archive/09_series)

**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,*

*remarks - general:*

*remarks - this release:* .

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

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[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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Server WITHDRAWN specs Ph2 11 .- series  
[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  
freeze\_meeting: smg-11b

WG (prime / other): G3ne / S1 / NP / T2 / SCP  
rapporteur: SALMERON, Lidia  
TELEPLUS LIMITED

G: yes U: MCC: CLAYTON, Michael

history (event, available, version,

smg-16	20/10/1995	4	.	13	.	0
smg-17	02/02/1996	4	.	14	.	0
smg-18	12/04/1996	4	.	15	.	0
smg-19	28/06/1996	4	.	16	.	0
ETSI publication	27/01/1997	4	.	16	.	1
smg-20	11/10/1996	4	.	17	.	0
ETSI publication	04/06/1997	4	.	17	.	1
smg-21	14/02/1997	4	.	18	.	0
ETSI publication	11/09/1997	4	.	18	.	1
smg-22	13/06/1997	4	.	19	.	0
ETSI publication	02/02/1998	4	.	19	.	1
smg-23	17/10/1997	4	.	20	.	0
ETSI publication	11/05/1998	4	.	20	.	1
smg-24	19/12/1997	4	.	21	.	0
ETSI publication	24/08/1998	4	.	21	.	1
smg-25	20/03/1998	4	.	22	.	0
ETSI publication	23/10/1998	4	.	22	.	1
smg-26	26/06/1998	4	.	23	.	0
ETSI publication	16/12/1998	4	.	23	.	1
smg-27	16/10/1998	4	.	24	.	0
ETSI publication	08/04/1999	4	.	24	.	1
smg-28	12/02/1999	4	.	25	.	0
ETSI publication	25/08/1999	4	.	25	.	1
smg-29	25/06/1999	4	.	26	.	0
ETSI publication	23/12/1999	4	.	26	.	1
smg-30	11/11/1999	4	.	27	.	0
ETSI publication	23/06/2000	4	.	27	.	1
smg-31	16/02/2000	4	.	28	.	0
ETSI publication	05/10/2000	4	.	28	.	1
smg-32	20/06/2000	4	.	29	.	0
GP-02	01/12/2000	4	.	30	.	0
GP-03	25/01/2001	4	.	31	.	0
GP-04	11/04/2001	4	.	32	.	0

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remarks - general: 2001-11-19: G4->G5.  
remarks - this release: GP-06: Rel-4 serves all releases.

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

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Server WITHDRAWN specs Ph2 11 .- series  
[http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

GP-05 28/06/2001 4 . 33 . 0  
GP-06 06/09/2001 4 . 34 . 0

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[get it](#)

## TS 11.16 Conformity Specifications for Transparent Facsimile Group 3 Adaptors

Ph2 *current version: none*  
*comments):*  
*history (event, available, version,*

*WG (prime / other):* - / *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* G: yes U: MCC: N, A

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

## TS 11.25 The GSM Base Station System (BSS) Equipment specification Half-rate speech

Ph2 *current version: none*  
*freeze\_meeting:*  
*history (event, available, version,*

*WG (prime / other):* G1 / - *rapporteur:* VACANT,  
G: yes U: MCC: USAI, Paolino

*remarks - general:*  
*remarks - this release:* (no such spec)

Ph2 12 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

## TS 12.07 Public Land Mobile Network (PLMN) Quality of Service (QoS)

Ph2 *current version: none*  
*freeze\_meeting:*  
*history (event, available, version,*  
draft 0 . 0 . 0

*WG (prime / other):* - / - *rapporteur:*  
G: yes U: MCC: N, A

*remarks - general:* Title may have been "Network Management (NM); Part 3: Operations and  
*remarks - this release:* . performance management".

# Ph1

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

# 3GPP specification status

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Server WITHDRAWN specs Ph1 00 .- series  
[http://www.3gpp.org/ftp/Specs/archive/00\\_series](http://www.3gpp.org/ftp/Specs/archive/00_series)

Ph1 00 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/00\\_series](http://www.3gpp.org/ftp/Specs/archive/00_series)

## 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,

remarks - general:

remarks - this release: .

Ph1 02 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

## 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,  
smg-01 06/05/1992 3 . 0 . 2

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

remarks - this release: .

## 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,  
25/08/1995 0 . 2 . 0  
06/10/1995 0 . 2 . 1  
10/05/1994 3 . 0 . 0  
10/05/1994 3 . 0 . 1

[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

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Server WITHDRAWN specs Ph1 02 .- series  
[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: none</i>					
	<i>freeze_meeting:</i>					
	<i>history (event, available, version,</i>					
		<i>WG (prime / other):</i>	- / -	<i>rapporteur:</i>	N, A	Indicate persons who left Company and wait for new One
		<i>G: yes U:</i>		<i>MCC:</i>	N, A	
				<i>remarks - general:</i>		
				<i>remarks - this release:</i>	.	
<hr/>						
<b>TS 02.12</b>	<b>Licensing</b>					
Ph1	<i>current version: none</i>					
	<i>freeze_meeting:</i>					
	<i>history (event, available, version,</i>					
		<i>WG (prime / other):</i>	- / -	<i>rapporteur:</i>	N, A	Indicate persons who left Company and wait for new One
		<i>G: yes U:</i>		<i>MCC:</i>	N, A	
				<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: none</i>					
	<i>freeze_meeting:</i>					
	<i>history (event, available, version,</i>					
		<i>WG (prime / other):</i>	- / -	<i>rapporteur:</i>	N, A	Indicate persons who left Company and wait for new One
		<i>G: yes U:</i>		<i>MCC:</i>	N, A	
				<i>remarks - general:</i>		
				<i>remarks - this release:</i>	.	
<hr/>						
<b>TS 02.14</b>	<b>Service Directory</b>					
Ph1	<i>current version: none</i>					
	<i>freeze_meeting:</i>					
	<i>history (event, available, version,</i>					
		<i>WG (prime / other):</i>	- /	<i>rapporteur:</i>	N, A	Indicate persons who left Company and wait for new One
		<i>G: yes U:</i>		<i>MCC:</i>	N, A	
				<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: none</i>					
	<i>freeze_meeting:</i>					
	<i>history (event, available, version,</i>					
		<i>WG (prime / other):</i>	- /	<i>rapporteur:</i>	N, A	Indicate persons who left Company and wait for new One
		<i>G: yes U:</i>		<i>MCC:</i>	N, A	
				<i>remarks - general:</i>		
				<i>remarks - this release:</i>	.	

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Server WITHDRAWN specs Ph1 02 .- series  
[http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

## TS 02.21 Transferred account procedure and billing information

Ph1  
current version: none  
freeze\_meeting:

WG (prime / other): S2 / rapporteur: N, A

Indicate persons who left Company and wait for new One

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

history (event, available, version,  
Jan 1990 10/05/1994 3 . 3 . 0  
? 10/05/1994 3 . 4 . 0

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

Ph1 03 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

## TS 03.42 SMS Compression

Ph1  
current version: none  
freeze\_meeting:

WG (prime / other): T2 / - rapporteur: HARRIS, Ian Research In Motion Limited  
G: yes U: MCC: RODERMUND, Friedhelm

history (event, available, version,  
gsm4 06/05/2003 3 . 0 . 0 Jan 1990: title was "Advanced data  
MHS".

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

Ph1 09 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/09\\_series](http://www.3gpp.org/ftp/Specs/archive/09_series)

## TS 09.09 Detailed Signalling Interworking within the PLMN and with the PSTN/ISDN

Ph1  
current version: none  
freeze\_meeting: gsm-25b

WG (prime / other): N4 / - rapporteur: VAINIKKA, Jari NOKIA Corporation  
G: yes U: MCC: KYMALAINEN, Kimmo

history (event, available, version,  
First complete 1 . 0 . 0

remarks - general: 2003-05-07: no draft available, so withdraw.  
remarks - this release: .

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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Server WITHDRAWN specs Ph1 11 .- series  
[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  
freeze\_meeting:

WG (prime / other): - / rapporteur: N, A  
G: yes U: MCC: N, A

Indicate persons who left Company and wait for new One

history (event, available, version,

remarks - general:  
remarks - this release: .

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**TS 11.20 GSM DCS 1800 Base Station Specification**

Ph1  
current version: none  
freeze\_meeting:  
history (event, available, version,

WG (prime / other): GP / NP rapporteur: VACANT,  
G: yes U: MCC: USAI, Paolino

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	01/09/2003	3	.	12	.	0
smg-07	01/01/1995	3	.	13	.	0
smg-08		3	.	14	.	0
smg-09		3	.	15	.	0
smg-10		3	.	16	.	0
smg-11		3	.	17	.	0
smg-12	01/01/1995	3	.	19	.	0
smg-13		3	.	20	.	0
smg-20	13/12/1996	3	.	23	.	1

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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 12.07 Public Land Mobile Network (PLMN) Quality of Service (QoS)**

Ph1  
current version: none  
freeze\_meeting:  
history (event, available, version,  
draft 0 . 0 . 0

WG (prime / other): - / - rapporteur:  
G: yes U: MCC: N, A

remarks - general: Title may have been "Network Management (NM); Part 3: Operations and  
remarks - this release: . performance management".

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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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**TS 24.04U UMTS Interworking and internetworking signalling aspects; Interworking of UMTS with other systems**

current version: none  
freeze\_meeting:  
history (event, available, version,

WG (prime / other): - / - rapporteur: N, A  
G: U: MCC: N, A

Indicate persons who left Company and wait for new  
One

remarks - general:  
remarks - this release:

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