

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

**Title:**             **Specs status list at the end of TSGs#18**

**Document for:**   **information**

The following table shows the status list at the end of SA#18.

# 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Active or Withdrawn / Stopped (Active specs first)  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Withdrawn / Stopped

## ACTIVE specs

### 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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**TS 21.104 3rd Generation mobile system Release 6 specifications**

Rel-6 *current version:* none  
*freeze\_meeting:* SP-16  
*history (event, available, version,*

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

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

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**TR 21.905 Vocabulary for 3GPP Specifications**

Rel-6 *current version:* 6.1.0  
*freeze\_meeting:*  
*history (event, available, version,*  
SP-17 16/09/2002 6 . 0 . 0  
SP-18 6 . 1 . 0

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

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

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

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

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

*remarks - general:* Transfer>TSG#4  
*remarks - this release:* .

# 3GPP specification status

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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 22.066</b>	<b>Support of Mobile Number Portability (MNP); Stage 1</b>				
Rel-6	current version: 6.0.0	WG (prime / other): S1 / -	rapporteur: CLAYTON, Michael	EMCOM Ltd	
	freeze_meeting:	G: yes U: yes	MCC: CLAYTON, Michael		
	history (event, available, version, SP-18	6 . 0 . 0	remarks - general: Transfer>TSG#4		
			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: 6.0.0	WG (prime / other): S1 / -	rapporteur: SWETINA, Joerg	SIEMENS AG	
	freeze_meeting:	G: yes U: yes	MCC: CLAYTON, Michael		
	history (event, available, version, SP-18	6 . 0 . 0	remarks - general: Transfer>TSG#4		
			remarks - this release: .		
<b>TS 22.071</b>	<b>Location Services (LCS); Stage 1</b>				
Rel-6	current version: 6.2.0	WG (prime / other): S1 / -	rapporteur: WOHLERT, Randolph	SBC Communications Inc.	
	freeze_meeting:	G: yes U: yes	MCC: CLAYTON, Michael		
	history (event, available, version, SP-16 04/07/2002	6 . 0 . 0	remarks - general: Transfer>TSG#4		
	SP-17 17/09/2002	6 . 1 . 0	remarks - this release: .		
	SP-18	6 . 2 . 0			
<b>TS 22.101</b>	<b>Service aspects; Service principles</b>				
Rel-6	current version: 6.2.0	WG (prime / other): S1 / -	rapporteur: DWYER, Paul	NORTEL NETWORKS (EUROPE)	
	freeze_meeting:	G: U: yes	MCC: CLAYTON, Michael		
	history (event, available, version, SP-16 04/07/2002	6 . 0 . 0	remarks - general:		
	SP-17 17/09/2002	6 . 1 . 0	remarks - this release: SP-020234 slide 11 justifies existence.		
	SP-18	6 . 2 . 0			
<b>TS 22.105</b>	<b>Services and service capabilities</b>				
Rel-6	current version: 6.0.0	WG (prime / other): S1 / -	rapporteur: EVEN, Anne	France Telecom	
	freeze_meeting:	G: U: yes	MCC: CLAYTON, Michael		
	history (event, available, version, SP-17 17/09/2002	6 . 0 . 0	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-6 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 22.127</b>	<b>Service Requirement for the Open Services Access (OSA); Stage 1</b>								
Rel-6	current version: 6.2.0	WG (prime / other):	S1 / -	rapporteur:	SWETINA, Joerg	SIEMENS AG			
	freeze_meeting:	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:				
	SP-17 17/09/2002	6 . 1 . 0		<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	6 . 2 . 0							
<hr/>									
<b>TS 22.140</b>	<b>Multimedia Messaging Service (MMS); Stage 1</b>								
Rel-6	current version: 6.0.0	WG (prime / other):	S1 / -	rapporteur:	LAUMEN, Josef	SIEMENS AG			
	freeze_meeting:	G:	U: yes	MCC:	CLAYTON, Michael				
	history (event, available, version,								
	SP-18	6 . 0 . 0			remarks - general:	(development in T2)			
					remarks - this release:	.			
<hr/>									
<b>TS 22.141</b>	<b>Presence service; Stage 1</b>								
Rel-6	current version: 6.1.0	WG (prime / other):	S1 / -	rapporteur:	WOHLERT, Randolph	SBC Communications Inc.			
	freeze_meeting:	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".			
<hr/>									
<b>TS 22.146</b>	<b>Multimedia Broadcast/Multicast Service (MBMS); Stage 1</b>								
Rel-6	current version: 6.1.0	WG (prime / other):	S1 /	rapporteur:	JARVIS, Andre	Hutchison 3G UK Limited			
	freeze_meeting:	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:	.			

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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 22 .- series  
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<b>TS 22.174</b>	<b>Push service; Stage 1</b>								
Rel-6	<i>current version:</i> 6.1.0			<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> WOLAK, Stephen	VODAFONE Group Plc			
	<i>freeze_meeting:</i> SP-18			<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version,</i>								
	draft 27/03/2002	0 . 6 . 0	S1-020540	<a href="#">get it</a>	<i>remarks - general:</i>				
	draft	0 . 8 . 1			<i>remarks - this release:</i> SP-15: Timed out of Rel-5. SP-18: S1 seems to have lost interest in this spec.				
	SP-16	1 . 0 . 0	SP-020230 (inside liaison statement)		Known to be some holes in it.				
	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	6 . 1 . 0							

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<b>TS 22.177</b>	<b>Speech-enabled services; Stage 1</b>								
Rel-6	<i>current version:</i> none			<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> ZARRI, Michele	T-Mobile (UK) Ltd			
	<i>freeze_meeting:</i>			<i>G:</i> <i>U:</i> yes	<i>MCC:</i> CLAYTON, Michael				
	<i>history (event, available, version,</i>								
					<i>remarks - general:</i> Spec number reserved; production depends on results of feasibility study				
					<i>remarks - this release:</i> .				

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<b>TS 22.228</b>	<b>Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1</b>								
Rel-6	<i>current version:</i> 6.1.0			<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> CATALDO, Mark	Openwave Systems (N.I.) Ltd			
	<i>freeze_meeting:</i> SP-20			<i>G:</i> yes <i>U:</i> 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.				

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<b>TS 22.233</b>	<b>Transparent end-to-end packet-switched streaming service; Stage 1</b>								
Rel-6	<i>current version:</i> 6.1.0			<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> WOLAK, Stephen	VODAFONE Group Plc			
	<i>freeze_meeting:</i>			<i>G:</i> <i>U:</i> 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-18	6 . 1 . 0			<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 22.240 Service requirements for 3GPP Generic User Profile (GUP); Stage 1**

Rel-6 *current version:* none *WG (prime / other):* S1 / *rapporteur:* AMERY, Paul ORANGE PCS LTD  
*freeze\_meeting:* SP-17 *G:* *U:* yes *MCC:* CLAYTON, Michael

*history (event, available, version,*  
*remarks - general:* Cf work item 'Generic user profile"  
*remarks - this release:* SP-17: Expected for SP-18.

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

Rel-6 *current version:* 6.1.0 *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,*  
SP-15 19/03/2002 1 . 0 . 0 SP-020061 [get it](#) *remarks - general:* SP-18: Stages 2 & 3 to be done by OMA.  
SP-16 04/07/2002 2 . 0 . 0 SP-020261 [get it](#) *remarks - this release:* .  
SP-16 04/07/2002 6 . 0 . 0 [get it](#)  
SP-17 17/09/2002 6 . 1 . 0 [get it](#)

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

Rel-6 *current version:* 6.1.0 *WG (prime / other):* S1 / *rapporteur:* WILLIAMS, David Hugh QUALCOMM EUROPE S.A.R.L.  
*freeze\_meeting:* *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 6 . 1 . 0

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**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:* *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 2 . 0 . 0 SP-020669  
SP-18 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 Rel-6 22 .- series  
[http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

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<p><b>TS 22.340</b>    <b>IP Multimedia Subsystem (IMS) messaging; Stage 1</b>  Rel-6    <i>current version:</i> 6.0.0  <i>freeze_meeting:</i>  <i>history (event, available, version,</i>            SP-18            2 . 0 . 0    SP-020671            SP-18            6 . 0 . 0</p>	<p><i>WG (prime / other):</i> S1    /  <i>G:</i>            <i>U:</i> yes</p>	<p><i>rapporteur:</i> KALLIOKULJU, Juha    NOKIA MOBILE PHONES  <i>MCC:</i>        CLAYTON, Michael</p>	<p><i>remarks - general:</i>    2002-10-08: created from 22.940.  <i>remarks - this release:</i> .</p>
<hr/>			
<p><b>TR 22.800</b>    <b>IP Multimedia Subsystem (IMS) subscription and access scenarios</b>  Rel-6    <i>current version:</i> 0.0.5            DRAFT  <i>freeze_meeting:</i>  <i>history (event, available, version,</i>            S1-18            0 . 0 . 5    S1-022295</p>	<p><i>WG (prime / other):</i> S1    /  <i>G:</i>            <i>U:</i> yes</p>	<p><i>rapporteur:</i> FRANK, Robert            TELIA AB  <i>MCC:</i>        CLAYTON, Michael</p>	<p><i>remarks - general:</i>  <i>remarks - this release:</i> .</p>
<hr/>			
<p><b>TR 22.857</b>    <b>Run-time independent framework feasibility study</b>  Rel-6    <i>current version:</i> 6.0.0  <i>freeze_meeting:</i>  <i>history (event, available, version,</i>            TP-17 30/08/2002    1 . 0 . 0            TP-18            2 . 0 . 0    TP-020274            TP-18            6 . 0 . 0</p>	<p><i>WG (prime / other):</i> T2    /  <i>G:</i> yes    <i>U:</i> yes</p>	<p><i>rapporteur:</i> WOODWARD, Ernest    Intel Sweden AB  <i>MCC:</i>        RODERMUND, Friedhelm</p>	<p><a href="#">get it</a> <i>remarks - general:</i>  <i>remarks - this release:</i> .</p>
<hr/>			
<p><b>TR 22.934</b>    <b>Feasibility study on 3GPP system to Wireless Local Area Network (WLAN) interworking</b>  Rel-6    <i>current version:</i> 6.1.0  <i>freeze_meeting:</i> SP-18  <i>history (event, available, version,</i>            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            6 . 1 . 0</p>	<p><i>WG (prime / other):</i> S1    / -  <i>G:</i>            <i>U:</i> yes</p>	<p><i>rapporteur:</i> PAINT, Frédéric            Telenor AS  <i>MCC:</i>        CLAYTON, Michael</p>	<p><a href="#">get it</a> <i>remarks - general:</i>  <a href="#">get it</a> <i>remarks - this release:</i> .  <a href="#">get it</a></p>

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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 22 .- series  
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**TR 22.940 IP Multimedia Subsystem (IMS) messaging; Stage 1**

Rel-6 *current version:* 6.0.0  
*freeze\_meeting:*  
*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 2 . 0 . 0 SP-020670  
SP-18 6 . 0 . 0

*WG (prime / other):* S1 / *rapporteur:* KALLIOKULJU, Juha NOKIA MOBILE PHONES  
*G:* *U:* yes *MCC:* CLAYTON, Michael

[get it](#) *remarks - general:* 2002-10-08: -> 22.340. This TR to be withdrawn at SP-18. SP-18: No! In fact,  
[get it](#) *remarks - this release:* 2002-10-08: -> 22.340. This TR to be withdrawn at SP-18. SP-18: No! In fact,

[get it](#) unwithdrawn and approved!  
[get it](#)

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**TR 22.950 Priority service feasibility study**

Rel-6 *current version:* 6.1.0  
*freeze\_meeting:*  
*history (event, available, version,*  
SP-15 19/03/2002 1 . 0 . 0 SP-020060  
draft 1 . 1 . 0  
SP-16 04/07/2002 2 . 0 . 0 SP-020260  
SP-16 04/07/2002 6 . 0 . 0  
SP-18 6 . 1 . 0

*WG (prime / other):* S1 / - *rapporteur:* GARRAHAN, James Telcordia Technologies, Inc.  
*G:* *U:* yes *MCC:* CLAYTON, Michael

[get it](#) *remarks - general:* Additional rapporteur: B Pramanik (Telcordia).  
*remarks - this release:* .

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

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**TR 22.951 Service aspects and requirements for network sharing**

Rel-6 *current version:* 6.0.0  
*freeze\_meeting:* SP-15  
*history (event, available, version,*  
draft 0 . 0 . 0 S1-020342  
SP-17 16/09/2002 1 . 0 . 0 SP-020565  
SP-18 2 . 0 . 0 SP-020668  
SP-18 6 . 0 . 0

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

*remarks - general:*  
[get it](#) *remarks - this release:* TP-16: anticipate v1.0.0 at TP-17.

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

## TR 22.977 Feasibility study for speech-enabled services

Rel-6 current version: 6.0.0

freeze\_meeting:

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 T-Mobile (UK) Ltd  
G: U: yes MCC: CLAYTON, Michael

remarks - general:

remarks - this release: .

[get it](#)

[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 23.040 Technical realization of Short Message Service (SMS)

Rel-6 current version: 6.0.1

freeze\_meeting:

history (event, available, version,

TP-17 18/09/2002 6 . 0 . 0

post TP-17: adds 24/09/2002 6 . 0 . 1

test vector file

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

[get it](#) remarks - general:

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

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

Rel-6 current version: 6.0.0

freeze\_meeting:

history (event, available, version,

TP-17 18/09/2002 6 . 0 . 0

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

[get it](#) remarks - general: Transfer>TSG#4

remarks - this release: .

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

Rel-6 current version: 6.1.0

freeze\_meeting:

history (event, available, version,

TP-16 28/06/2002 6 . 0 . 0

TP-17 18/09/2002 6 . 1 . 0

WG (prime / other): T2 / - rapporteur: BRENK, Lars TTPCom Ltd  
G: yes U: yes MCC: RODERMUND, Friedhelm

[get it](#) remarks - general: Apr-2001: " Station Application" removed from title.

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

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

# 3GPP specification status

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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)

<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, SULTAN, Alain	ERICSSON RESEARCH CANADA		
	<i>freeze_meeting:</i>	<i>G:</i>	U: yes	<i>MCC:</i>				
<i>history (event, available, version,</i>	SP-18	6 . 0 . 0					<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".	
<b>TS 23.140</b>	<b>Multimedia Messaging Service (MMS); Functional description; Stage 2</b>							
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i>	T2 / -	<i>rapporteur:</i>	LAUMEN, Josef	SIEMENS AG		
	<i>freeze_meeting:</i>	<i>G:</i>	yes U: yes	<i>MCC:</i>	RODERMUND, Friedhelm			
<i>history (event, available, version,</i>	TP-18	6 . 0 . 0					<i>remarks - general:</i>	
							<i>remarks - this release:</i> .	
<b>TR 23.141</b>	<b>Presence service; Architecture and functional description; Stage 2</b>							
Rel-6	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i>	S2 /	<i>rapporteur:</i>	MAANSAARI, Kirsi	NOKIA KOREA		
	<i>freeze_meeting:</i>	<i>G:</i>	U: yes	<i>MCC:</i>	SULTAN, Alain			
<i>history (event, available, version,</i>	draft 17/06/2002	0 . 0 . 0					<i>remarks - general:</i>	
	SP-17 04/10/2002	1 . 0 . 0					<i>remarks - this release:</i> .	
	SP-17 07/10/2002	6 . 0 . 0					<a href="#">get it</a>	
							<a href="#">get it</a>	
	SP-18	6 . 1 . 0					<a href="#">get it</a>	
<b>TS 23.174</b>	<b>Push service; stage 2</b>							
Rel-6	<i>current version:</i> none	<i>WG (prime / other):</i>	S2 /	<i>rapporteur:</i>	WOLAK, Stephen	VODAFONE Group Plc		
	<i>freeze_meeting:</i>	<i>G:</i>	U: yes	<i>MCC:</i>	SULTAN, Alain			
<i>history (event, available, version,</i>							<i>remarks - general:</i> Rapporteur: "note that there are currently no plans for a Push stage 2 but it is	
case ...".							<i>remarks - this release:</i> SP-17: Rel-5 -> Rel-6 to accord with stage 1. good to reserve the number just in	

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<b>TS 23.228</b>	<b>IP Multimedia Subsystem (IMS); Stage 2</b>								
Rel-6	<i>current version:</i> none			<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> TOWLE, Thomas	Lucent Technologies			
	<i>freeze_meeting:</i>			G: yes U: yes	<i>MCC:</i> SULTAN, Alain				
	<i>history (event, available, version,</i>								
	conversion from	0 . 1 . 0							
	23.934 v0.5.0								
	SP-17 04/10/2002	1 . 0 . 0	SP-020537 Title on doc does not coincide with database (which bears same title as 23.934).	<a href="#">get it</a>					
					<i>remarks - general:</i>				
					<i>remarks - this release:</i>				
<b>TS 23.234</b>	<b>3GPP system to Wireless Local Area Network (WLAN) interworking; Functional and architectural definition</b>								
Rel-6	<i>current version:</i> 1.0.0		DRAFT	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> ,				
	<i>freeze_meeting:</i>			G: U: yes	<i>MCC:</i> SULTAN, Alain				
	<i>history (event, available, version,</i>								
	conversion from	0 . 1 . 0							
	23.934 v0.5.0								
	SP-17 04/10/2002	1 . 0 . 0	SP-020537 Title on doc does not coincide with database (which bears same title as 23.934).	<a href="#">get it</a>					
					<i>remarks - general:</i>				
					<i>remarks - this release:</i>	SP-18: Anticipate approval SP-19.			
<b>TS 23.241</b>	<b>3GPP Generic User Profile (GUP) requirements; Stage 2; Data description framework</b>								
Rel-6	<i>current version:</i> 0.3.0		DRAFT	<i>WG (prime / other):</i> T2 /	<i>rapporteur:</i> HOLOUBEK, Kevin J.	Motorola Inc.			
	<i>freeze_meeting:</i>			G: U: yes	<i>MCC:</i> RODERMUND, Friedhelm				
	<i>history (event, available, version,</i>								
	draft 28/05/2002	0 . 3 . 0							
				<a href="#">get it</a>	<i>remarks - general:</i>	Cf work item 'Generic user profile'			
					<i>remarks - this release:</i>	RP-15: Delayed from Rel-5.			
<b>TS 23.271</b>	<b>Location Services (LCS); Functional description; Stage 2</b>								
Rel-6	<i>current version:</i> 6.2.0			<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> KÅLL, Jan	NOKIA Corporation			
	<i>freeze_meeting:</i>			G: yes U: yes	<i>MCC:</i> SULTAN, Alain				
	<i>history (event, available, version,</i>								
	SP-16 18/06/2002	6 . 0 . 0							
	SP-17 02/10/2002	6 . 1 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	post-TSG#8: Recombined 2G and 3G spec for R00 onwards.			
	SP-18	6 . 2 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	Continues 23.871			
<b>TR 23.841</b>	<b>Presence service architecture</b>								
Rel-6	<i>current version:</i> 6.0.0			<i>WG (prime / other):</i> S2 /	<i>rapporteur:</i> MAANSAARI, Kirsi	NOKIA KOREA			
	<i>freeze_meeting:</i>			G: U: yes	<i>MCC:</i> SULTAN, Alain				
	<i>history (event, available, version,</i>								
	SP-16 22/07/2002	2 . 0 . 0	SP-020319	<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-16 25/07/2002	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	TP-16: clear that service is Rel-6.			

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<b>TR 23.846</b>	<b>Multimedia Broadcast/Multicast Service (MBMS); Stage 2</b>					
Rel-6	<i>current version:</i> 6.1.0		<i>WG (prime / other):</i> S2 /	<i>rapporteur:</i> JARVIS, Andre		Hutchison 3G UK Limited
	<i>freeze_meeting:</i>		<i>G:</i> U: yes	<i>MCC:</i> SULTAN, Alain		
	<i>history (event, available, version,</i>					
	draft 12/04/2002	0 . 3 . 0		<a href="#">get it</a>	<i>remarks - general:</i> This is a preparatory report which may result in the creation of a stage 2 TS	
	S2-24	0 . 4 . 0			<i>remarks - this release:</i> 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	6 . 1 . 0				

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<b>TR 23.895</b>	<b>Provision of UE specific behaviour information to network entities</b>					
Rel-6	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> S2 /	<i>rapporteur:</i> PUDNEY, Chris		VODAFONE Group Plc
	<i>freeze_meeting:</i>		<i>G:</i> U: yes	<i>MCC:</i> SULTAN, Alain		
	<i>history (event, available, version,</i>					
	draft	0 . 4 . 0			<i>remarks - general:</i>	
	SP-18	1 . 0 . 0	SP-020799 for approval		<i>remarks - this release:</i> .	
	SP-18	6 . 0 . 0	Anticipate CR next mtg to clarify that this is not a loophole to allow untested UEs to be placed on the market.			

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<b>TR 23.917</b>	<b>Dynamic policy control enhancements for End to end Quality of Service (QoS); Feasibility study</b>					
Rel-6	<i>current version:</i> 0.3.1	DRAFT	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> MOUSSET, Claire		NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting:</i> SP-18		<i>G:</i> yes U: yes	<i>MCC:</i> SULTAN, Alain		
	<i>history (event, available, version,</i>					
	draft 07/08/2002	0 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> Work Item: SP-020140	
	draft 24/09/2002	0 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .	
	draft 24/09/2002	0 . 2 . 0		<a href="#">get it</a>		
	draft 14/11/2002	0 . 3 . 0		<a href="#">get it</a>		
	draft 14/11/2002	0 . 3 . 1		<a href="#">get it</a>		

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**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:* SULTAN, Alain  
*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.

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**TS 24.241 3GPP generic user profile requirements; Stage 3; Access; Common objects**  
Rel-6 *current version:* 0.3.0 DRAFT *WG (prime / other):* T2 / *rapporteur:* HOLOUBEK, Kevin J. Motorola Inc.  
*freeze\_meeting:* *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  
*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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**TR 24.841 Presence service based on Session Initiation Protocol (SIP); Functional models, information flows and protocol details**  
Rel-6 *current version:* 0.3.0 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 17/09/2002 0 . 1 . 0 [get it](#) *remarks - general:*  
draft 03/10/2002 0 . 2 . 0 [get it](#) *remarks - this release:* .  
N1-26 14/11/2002 0 . 3 . 0 [get it](#)

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<b>TS 25.101</b>	<b>UE Radio transmission and reception (FDD)</b>								
Rel-6	<i>current version:</i> 6.0.0			<i>WG (prime / other):</i> R4 / -	<i>rapporteur:</i> FERNANDES, Edgar	MOTOROLA Ltd			
	<i>freeze_meeting:</i>			<i>G:</i>	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar				
	<i>history (event, available, version,</i>			<i>U: yes</i>					
	RP-16	6 . 0 . 0	RP16 agreed not to implement the CR creating this version.				<i>remarks - general:</i>		
							<i>remarks - this release:</i> .		
<hr/>									
<b>TS 25.104</b>	<b>UTRA (BS) FDD; Radio transmission and reception</b>								
Rel-6	<i>current version:</i> 6.0.0			<i>WG (prime / other):</i> R4 / -	<i>rapporteur:</i> SKÖLD, Johan	Telefon AB LM Ericsson			
	<i>freeze_meeting:</i>			<i>G:</i>	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar				
	<i>history (event, available, version,</i>			<i>U: yes</i>					
	RP-18	6 . 0 . 0					<i>remarks - general:</i>		
							<i>remarks - this release:</i> .		
<hr/>									
<b>TS 25.133</b>	<b>Requirements for support of radio resource management (FDD)</b>								
Rel-6	<i>current version:</i> 6.0.0			<i>WG (prime / other):</i> R4 / -	<i>rapporteur:</i> GUERRINI, Claudio	TELECOM ITALIA S.p.A.			
	<i>freeze_meeting:</i>			<i>G:</i>	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar				
	<i>history (event, available, version,</i>			<i>U: yes</i>					
	RP-18	6 . 0 . 0					<i>remarks - general:</i>		
							<i>remarks - this release:</i> .		
<hr/>									
<b>TS 25.141</b>	<b>Base station conformance testing (FDD)</b>								
Rel-6	<i>current version:</i> 6.0.0			<i>WG (prime / other):</i> R4 / -	<i>rapporteur:</i> NAKAMURA, Takaharu	Fujitsu Limited			
	<i>freeze_meeting:</i>			<i>G:</i>	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar				
	<i>history (event, available, version,</i>			<i>U: yes</i>					
	RP-18	6 . 0 . 0					<i>remarks - general:</i>		
							<i>remarks - this release:</i> .		
<hr/>									
<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> 1.1.0	DRAFT		<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> KOULAKIOTIS, Dimitris	Nokia Telecommunications Inc.			
	<i>freeze_meeting:</i>			<i>G:</i>	<i>MCC:</i> ARZELIER, Claude				
	<i>history (event, available, version,</i>			<i>U: yes</i>					
	draft 14/10/2002	1 . 1 . 0					<i>remarks - general:</i>		
				<a href="#">get it</a>			<i>remarks - this release:</i> .		

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<b>TR 25.887</b>	<b>Beamforming</b>	Rel-6	current version: none freeze_meeting: history (event, available, version,	WG (prime / other): R1 / - G: U: yes	rappporteur: KAHTAVA, Jussi MCC: SASAKI, Tsukasa	Nokia Japan Co. Ltd	remarks - general: remarks - this release: .
<b>TR 25.888</b>	<b>Improvement of inter frequency and inter system measurement for 1,28 Mcps TDD</b>	Rel-6	current version: 1.1.0 freeze_meeting: history (event, available, version, RP-18	DRAFT WG (prime / other): R1 / - G: U: yes	rappporteur: LI, Xiaoqiang MCC: SASAKI, Tsukasa	SAMSUNG Electronics Research Institute	1 . 1 . 0 RP-020815 remarks - general: remarks - this release: .
<b>TR 25.889</b>	<b>Viable deployment of UTRA in additional and diverse spectrum arrangements; Feasibility study</b>	Rel-6	current version: 1.2.1 freeze_meeting: history (event, available, version, RP-16 26/06/2002 RP-17 24/09/2002 RP-18	DRAFT WG (prime / other): R4 / - G: U: yes	rappporteur: STAHLFJALL, Peter MCC: GUTIERREZ MIGUELEZ, Cesar	Telefon AB LM Ericsson	1 . 0 . 0 RP-020354 1 . 1 . 0 RP-020657 1 . 2 . 1 RP-020690 <a href="#">get it</a> remarks - general: <a href="#">get it</a> remarks - this release: .
<b>TR 25.891</b>	<b>Improvement of Radio Resource Management (RRM) across RNS and RNS/BSS post-Rel-5</b>	Rel-6	current version: 0.1.1 freeze_meeting: history (event, available, version, R3-31 R3-31 draft 11/10/2002	DRAFT WG (prime / other): R3 / - G: U: yes	rappporteur: HWANG, Woonhee MCC: KRAUSE, Joern	NOKIA Corporation	0 . 0 . 1 0 . 1 . 0 0 . 1 . 1 <a href="#">get it</a> remarks - general: remarks - this release: .
<b>TR 25.892</b>	<b>Analysis of OFDM for UTRAN enhancement</b>	Rel-6	current version: none freeze_meeting: RP-19 history (event, available, version,	WG (prime / other): R1 / - G: U: yes	rappporteur: BOUMENDIL, Sarah MCC: SASAKI, Tsukasa	NORTEL NETWORKS (EUROPE)	remarks - general: remarks - this release: .

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<b>TR 25.894</b>	<b>Enhanced UE positioning using software blanking</b>	Rel-6	<i>current version: none</i> <i>freeze_meeting:</i> <i>history (event, available, version,</i>	<i>WG (prime / other):</i> R2 / - <i>G:</i> U: yes	<i>rapporteur:</i> BARTLETT, David <i>MCC:</i> ARZELIER, Claude	Cambridge Positioning Systems Limited	<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: none</i> <i>freeze_meeting:</i> <i>history (event, available, version,</i>	<i>WG (prime / other):</i> R1 / - <i>G:</i> U: yes	<i>rapporteur:</i> BEALE, Martin <i>MCC:</i> SASAKI, Tsukasa	IPWireless Inc.	<i>remarks - general:</i> <i>remarks - this release:</i> 2002-10-07: anticipate approval at RP-20.
<b>TR 25.896</b>	<b>Uplink enhancements for dedicated transport channels</b>	Rel-6	<i>current version: none</i> <i>freeze_meeting:</i> <i>history (event, available, version,</i>	<i>WG (prime / other):</i> R1 / - <i>G:</i> U: yes	<i>rapporteur:</i> RANTA-AHO, Karri <i>MCC:</i> SASAKI, Tsukasa	NOKIA Corporation	<i>remarks - general:</i> <i>remarks - this release:</i> .
<b>TR 25.897</b>	<b>Feasibility study on the evolution of UTRAN architecture</b>	Rel-6	<i>current version: none</i> <i>freeze_meeting:</i> <i>history (event, available, version,</i>	<i>WG (prime / other):</i> R3 / - <i>G:</i> U: yes	<i>rapporteur:</i> HWANG, Woonhee <i>MCC:</i> KRAUSE, Joern	NOKIA Corporation	<i>remarks - general:</i> <i>remarks - this release:</i> .
<b>TR 25.898</b>	<b>Power control enhancements for UTRA</b>	Rel-6	<i>current version: none</i> <i>freeze_meeting:</i> <i>history (event, available, version,</i>	<i>WG (prime / other):</i> R1 / - <i>G:</i> U: yes	<i>rapporteur:</i> MITRA, Diptendu <i>MCC:</i> SASAKI, Tsukasa	NOKIA UK Ltd	<i>remarks - general:</i> <i>remarks - this release:</i> .

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<b>TR 25.942</b>	<b>RF system scenarios</b>								
Rel-6	<i>current version:</i> 6.0.0			<i>WG (prime / other):</i> R4 / -	<i>rapporteur:</i> BENABDALLAH, Nadia	Vodafone Omnitel SpA			
	<i>freeze_meeting:</i>			<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i>	GUTIERREZ MIGUELEZ, Cesar			
	<i>history (event, available, version,</i>								
	RP-18	6 . 0 . 0					<i>remarks - general:</i> Additional rapporteur = A.De Pasquale.		
							<i>remarks - this release:</i> .		
<hr/>									
<b>TR 25.992</b>	<b>Multimedia Broadcast/Multicast Service (MBMS); UTRAN/GERAN requirements</b>								
Rel-6	<i>current version:</i> none			<i>WG (prime / other):</i> RP / GP	<i>rapporteur:</i> KOULAKIOTIS, Dimitris	Nokia Telecommunications Inc.			
	<i>freeze_meeting:</i>			<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i>	GUTIERREZ MIGUELEZ, Cesar			
	<i>history (event, available, version,</i>								
							<i>remarks - general:</i>		
							<i>remarks - this release:</i> .		
<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-6	<i>current version:</i> 6.0.0			<i>WG (prime / other):</i> R2 /	<i>rapporteur:</i> FAUCONNIER, Denis	NORTEL NETWORKS (EUROPE)			
	<i>freeze_meeting:</i>			<i>G:</i> <i>U:</i> yes	<i>MCC:</i>	ARZELIER, Claude			
	<i>history (event, available, version,</i>								
	RP-18	0 . 0 . 0	RP-020814; version number incorrect				<i>remarks - general:</i>		
	RP-18	0 . 1 . 0	on the document				<i>remarks - this release:</i> SP-17: Currently the latest release version.		
	RP-18	2 . 0 . 0	RP-020877						
	RP-18	2 . 0 . 0	rp-020890 = composite of previous two						
	RP-18	6 . 0 . 0	versions!						

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<b>TS 27.007</b>	<b>AT command set for 3G User Equipment (UE)</b>								
Rel-6	<i>current version:</i> 6.1.0			<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> TOMÉ, Olga	Telefon AB LM Ericsson			
	<i>freeze_meeting:</i>			<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i>	RODERMUND, Friedhelm			
	<i>history (event, available, version,</i>								
	TP-16 25/06/2002	6 . 0 . 0					<i>remarks - general:</i>		
	TP-18	6 . 1 . 0		<a href="#">get it</a>			<i>remarks - this release:</i> .		

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

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**TS 29.002 Mobile Application Part (MAP) specification**

Rel-6 current version: 6.0.0

freeze\_meeting:

history (event, available, version,  
NP-18 6 . 0 . 0

WG (prime / other): N4 / - rapporteur: WIEHE, Ulrich SIEMENS AG  
G: yes U: yes MCC: KYMALAINEN, Kimmo

remarks - general:  
remarks - this release:

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**TS 29.163 Interworking between the IM CN subsystem and CS networks**

Rel-6 current version: none

freeze\_meeting:

history (event, available, version,

WG (prime / other): N3 / rapporteur: SANDERS, David VODAFONE Group Plc  
G: yes U: yes MCC: BOSWARTHICK, David

remarks - general:  
remarks - this release: NP-16: For earlier versions: see Rel-5.

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**TS 29.200 Signalling System No. 7; Mobile Application Part (MAP); Security signalling flows for the Ze interface**

Rel-6 current version: none

freeze\_meeting:

history (event, available, version,

WG (prime / other): N4 / - rapporteur: JANSOON, Jari NOKIA Corporation  
G: U: yes MCC: KYMALAINEN, Kimmo

remarks - general: Work item description in N4-021258.  
remarks - this release: .

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**TS 29.332 Media Gateway Control Function (MGCF) - IM Media Gateway (IM-MGW) Mc interface; Stage 3**

Rel-6 current version: none

freeze\_meeting:

history (event, available, version,

WG (prime / other): N4 / - rapporteur: SCHMITT, Peter SIEMENS AG  
G: U: yes MCC: KYMALAINEN, Kimmo

remarks - general: 2002-05-30: Created in response to proposed new WI in N4-020773.  
remarks - this release:

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<b>TS 29.333</b>	<b>Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface; Stage 3</b>				
Rel-6	current version: none	WG (prime / other): N4 /	rapporteur: SANDERS, David	VODAFONE Group Plc	
	freeze_meeting:	G: U: yes	MCC: KYMALAINEN, Kimmo		
	history (event, available, version,				
					remarks - general: remarks - this release: .
<hr/>					
<b>TR 29.846</b>	<b>Multimedia Broadcast/Multicast Service (MBMS); CN1 procedure description</b>				
Rel-6	current version: none	WG (prime / other): N1 /	rapporteur: HOBBS, Kevan	Hutchison 3G UK Limited	
	freeze_meeting: NP-19	G: yes U: yes	MCC: JORGENSEN, Per Johan		
	history (event, available, version,				
					remarks - general: remarks - this release: .
<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	current version: 1.0.0	WG (prime / other): N3 / -	rapporteur: BELLING, Thomas	SIEMENS AG	
	freeze_meeting:	G: U: yes	MCC: BOSWARTHICK, David		
	history (event, available, version,				
	NP-18	1 . 0 . 0 NP-020610			remarks - general: remarks - this release: .
<hr/>					
<b>TR 29.994</b>	<b>Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults</b>				
Rel-6	current version: none	WG (prime / other): N1 / RP	rapporteur: ANDERSEN, Niels	MOTOROLA A/S	
	freeze_meeting:	G: yes U: yes	MCC: Peter Skov 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.

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Rel-6

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<b>TS 31.101</b>	<b>UICC-terminal interface; Physical and logical characteristics</b>								
Rel-6	<i>current version:</i> 6.1.0			<i>WG (prime / other):</i> T3 / SCP	<i>rapporteur:</i> VESTERGAARD, Peter	NOKIA UK Ltd			
	<i>freeze_meeting:</i> TP-17			<i>G:</i> U: yes	<i>MCC:</i>	DIETZE, Claus			
	<i>history (event, available, version,</i>								
	TP-17 18/09/2002	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	Contents is a reference to ETSI TR 102 221.			
	TP-18	6 . 1 . 0			<i>remarks - this release:</i>	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.			
<hr/>									
<b>TS 31.102</b>	<b>Characteristics of the USIM Application</b>								
Rel-6	<i>current version:</i> 6.0.0			<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> HEIM, Christian	GIESECKE & DEVRIENT GmbH			
	<i>freeze_meeting:</i>			<i>G:</i> U: yes	<i>MCC:</i>	DIETZE, Claus			
	<i>history (event, available, version,</i>								
	TP-18	6 . 0 . 0			<i>remarks - general:</i>				
					<i>remarks - this release:</i>	.			
<hr/>									
<b>TS 31.103</b>	<b>Characteristics of the ISIM application</b>								
Rel-6	<i>current version:</i> 6.0.0			<i>WG (prime / other):</i> T3 /	<i>rapporteur:</i>				
	<i>freeze_meeting:</i>			<i>G:</i> yes U: yes	<i>MCC:</i>	DIETZE, Claus			
	<i>history (event, available, version,</i>								
	TP-18	6 . 0 . 0			<i>remarks - general:</i>				
					<i>remarks - this release:</i>	.			
<hr/>									
<b>TS 31.113</b>	<b>USAT interpreter byte codes</b>								
Rel-6	<i>current version:</i> 6.1.0			<i>WG (prime / other):</i> T3 /	<i>rapporteur:</i>				
	<i>freeze_meeting:</i>			<i>G:</i> U: yes	<i>MCC:</i>	DIETZE, Claus			
	<i>history (event, available, version,</i>								
	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>	.			
<hr/>									
<b>TS 31.114</b>	<b>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>			<i>G:</i> U: 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.			

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<b>TS 31.115</b>	<b>Secured packet structure for (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>			<i>G:</i> U: 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		
	TP-17	23/09/2002	6 . 1 . 0		<a href="#">get it</a>		Rel-6.		
	TP-18		6 . 2 . 0						
<b>TS 31.116</b>	<b>Remote APDU Structure for (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>			<i>G:</i> yes U: 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		
	TP-17	23/09/2002	6 . 1 . 0		<a href="#">get it</a>		Rel-6, so scrap Rel-5.		
	TP-18		6 . 2 . 0						
<b>TS 31.131</b>	<b>C-language binding for (U)SIM API</b>								
Rel-6	<i>current version:</i> 6.0.0			<i>WG (prime / other):</i> T3 /	<i>rapporteur:</i> TON, Wim	ASPECTS Software Ltd			
	<i>freeze_meeting:</i>			<i>G:</i> U: 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>	.		

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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> 1.1.0	DRAFT		<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> CARYER, Geoffrey	TELECOMMUNICATIONS MANAGEMENT CONSULTANTS Ltd.			
	<i>freeze_meeting:</i>	SP-16		<i>G:</i> U: 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		1 . 1 . 0	SP-020728		<i>remarks - this release:</i>	SP-15: moved from Rel-5.		

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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> none		<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> EDER, Michael		NOKIA Corporation
	<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 32.150</b>	<b>Telecommunication management; User Equipment Management (UEM); UEM requirements and architecture; Stages 1 and 2</b>					
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> S5 / T2	<i>rapporteur:</i> MUDGE, John		VODAFONE Group Plc
	<i>freeze_meeting:</i>		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.		
				<i>remarks - this release:</i> .		
<hr/>						
<b>TS 32.411</b>	<b>Telecommunication management; Performance Management (PM) Integration Reference Point (IRP); Requirements</b>					
Rel-6	<i>current version:</i> 1.0.0	DRAFT	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOCHE, Christian		NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>					
	SP-17 16/09/2002 1 . 0 . 0 SP-020500		<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i> .		
<hr/>						
<b>TS 32.412</b>	<b>Telecommunication management; Performance Management (PM) Integration Reference Point (IRP); Information services</b>					
Rel-6	<i>current version:</i> none		<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOCHE, Christian		NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting:</i>		G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>					
				<i>remarks - general:</i>		
				<i>remarks - this release:</i> .		
<hr/>						
<b>TS 32.413</b>	<b>Telecommunication management; Performance Management (PM) Integration Reference Point (IRP); CORBA 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>		G: yes 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 32.421</b>	<b>Telecommunication management; Subscriber and equipment trace: Trace concepts and requirements</b>					
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> KORINEK, Frank	Motorola Inc.		
	<i>freeze_meeting:</i>	<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version,</i>					
	SP-16 17/06/2002 1 . 0 . 0 SP-020330	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-18 2 . 0 . 0 SP-020755		<i>remarks - this release:</i> .			
	SP-18 6 . 0 . 0					
<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>	<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> .			
<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> RONKA, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i>	<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> .			
<hr/>						
<b>TS 32.663</b>	<b>Telecommunication management; Configuration Management (CM); Kernel CM CORBA solution set</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>	<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> .			
<hr/>						
<b>TS 32.664</b>	<b>Telecommunication management; Configuration Management (CM); Kernel CM CMIP solution set</b>					
Rel-6	<i>current version:</i> none	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> POLLAKOWSKI, Olaf	SIEMENS AG		
	<i>freeze_meeting:</i>	<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> .			

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<b>TS 32.681</b>	<b>Telecommunication management; Inventory management; Inventory management Integration Reference Point (IRP): Requirements</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>	<i>G:</i>	<i>U: yes</i>	<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; Inventory management Integration Reference Point (IRP): Information service</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>	<i>G:</i>	<i>U: yes</i>	<i>MCC:</i>	ZOICAS, Adrian	
	<i>history (event, available, version,</i>					
				<i>remarks - general:</i>		
				<i>remarks - this release:</i>		
<hr/>						
<b>TS 32.683</b>	<b>Telecommunication management; Inventory management; Inventory management Integration Reference Point (IRP): 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>	<i>G:</i>	<i>U: yes</i>	<i>MCC:</i>	ZOICAS, Adrian	
	<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; Inventory management Integration Reference Point (IRP): 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>	<i>G:</i>	<i>U: yes</i>	<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 33.108</b>	<b>3G security; Handover interface for Lawful Interception (LI)</b>								
Rel-6	current version: 6.0.0			WG (prime / other): S3 /	rapporteur: WILHELM, Berthold	BUNDESMINISTERIUM FUR WIRTSCHAFT			
	freeze_meeting:			G: yes U: yes	MCC: POPE, Maurice				
	history (event, available, version, SP-18	6 . 0 . 0						remarks - general: 2001-12-04 Title changed from "Lawful Interception; Interface between core	
								remarks - this release: . network and law agency equipment" (Berthold.Wilhelm@RegTP.de).	

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<b>TS 33.210</b>	<b>3G security; Network Domain Security (NDS); IP network layer security</b>								
Rel-6	current version: 6.0.0			WG (prime / other): S3 / -	rapporteur: KOIEN, Geir	Telenor AS			
	freeze_meeting:			G: yes U: yes	MCC: POPE, Maurice				
	history (event, available, version, SP-18	6 . 0 . 0						remarks - general: 2001-05-24: 33.200 split into MAP (33.200) and IP (33.210).	
								remarks - this release: .	

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<b>TS 33.234</b>	<b>3G security; Wireless Local Area Network (WLAN) interworking security</b>								
Rel-6	current version: 0.1.0	DRAFT		WG (prime / other): S3 / -	rapporteur: LOPEZ SORIA, Luis	Telefon AB LM Ericsson			
	freeze_meeting:			G: yes U: yes	MCC: POPE, Maurice				
	history (event, available, version, S3-25 23/10/2002	0 . 1 . 0		<a href="#">get it</a>				remarks - general:	
								remarks - this release: .	

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<b>TS 33.246</b>	<b>3G Security; Security of Multimedia Broadcast/Multicast Service (MBMS)</b>								
Rel-6	current version: 0.0.1	DRAFT		WG (prime / other): S3 / -	rapporteur: ESCOTT, Adrian	Hutchison 3G UK Limited			
	freeze_meeting:			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:	
								remarks - this release: .	

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**TR 33.810 3G Security; Network Domain Security / Authentication Framework (NDS/AF); Feasibility Study to support NDS/IP evolution**  
Rel-6 *current version:* 6.0.0 *WG (prime / other):* S3 / *rapporteur:* ,  
*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 [get it](#)  
S3-25 1 . 1 . 0  
SP-18 2 . 0 . 0 SP-020723  
SP-18 6 . 0 . 0

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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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**TS 34.131 Test specification for C-language binding for (U)SIM API**  
Rel-6 *current version:* 1.0.0 DRAFT *WG (prime / other):* T3 / - *rapporteur:* GUTHERY, Scott B. Mobile-Mind Inc.  
*freeze\_meeting:* TP-25 *G:* yes *U:* yes *MCC:* DIETZE, Claus  
*history (event, available, version,*  
T3-13 0 . 1 . 0 *remarks - general:* Base spec is 31.131.  
TP-17 24/09/2002 0 . 1 . 1 TP-020223 [get it](#) *remarks - this release:* .  
TP-17 19/09/2002 1 . 0 . 0 [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 41.104 GSM Release 6 specifications**  
Rel-6 *current version:* none *WG (prime / other):* SP / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
*freeze\_meeting:* SP-16 *G:* yes *U:* *MCC:* POPE, Maurice  
*history (event, available, version,*  
*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-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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Rel-6 **43** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/43\\_series](http://www.3gpp.org/ftp/Specs/archive/43_series)

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**TS 43.022** **Functions related to Mobile Station (MS) in idle mode and group receive mode**  
Rel-6 *current version:* 6.0.0 *WG (prime / other):* G1 / N1 *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* *G:* yes *U:* *MCC:* USAI, Paolino  
*history (event, available, version,*  
GP-12 6 . 0 . 0 *remarks - general:* Moved from SMG3 Jan 2000.  
*remarks - this release:* .

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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 44.018** **Mobile radio interface layer 3 specification; Radio Resource Control Protocol**  
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-12 6 . 0 . 0 *remarks - general:*  
*remarks - this release:* .

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**TS 44.060** **General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol**  
Rel-6 *current version:* 6.0.0 *WG (prime / other):* G2 / *rapporteur:* BLACK, Jyoti MOTOROLA  
*freeze\_meeting:* *G:* yes *U:* *MCC:* THOMASEN, Gert  
*history (event, available, version,*  
GP-12 6 . 0 . 0 *remarks - general:* General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System  
*remarks - this release:* . (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol

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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)

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

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

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<b>TS 45.001</b>	<b>Physical Layer on the Radio Path (General Description)</b>				
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> JOKINEN, Harri		NOKIA MOBILE PHONES
	<i>freeze_meeting:</i>	G: yes U:	MCC: USAI, Paolino		
	<i>history (event, available, version,</i>			<i>remarks - general:</i>	
	GP-12	6 . 0 . 0		<i>remarks - this release:</i> .	
<hr/>					
<b>TS 45.005</b>	<b>Radio transmission and reception</b>				
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> SAMUELSSON, Mats		
	<i>freeze_meeting:</i>	G: yes U:	MCC: USAI, Paolino		
	<i>history (event, available, version,</i>			<i>remarks - general:</i>	
	GP-12	6 . 0 . 0		<i>remarks - this release:</i> .	
<hr/>					
<b>TS 45.008</b>	<b>Radio subsystem link control</b>				
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> EL-SAIGH, Amer		VODAFONE Group Plc
	<i>freeze_meeting:</i>	G: yes U:	MCC: USAI, Paolino		
	<i>history (event, available, version,</i>			<i>remarks - general:</i>	
	GP-12	6 . 0 . 0		<i>remarks - this release:</i> .	
<hr/>					
<b>TR 45.050</b>	<b>Background for RF Requirements</b>				
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> ANDERSEN, Niels		MOTOROLA A/S
	<i>freeze_meeting:</i>	G: yes U:	Peter Skov		
	<i>history (event, available, version,</i>		MCC: USAI, Paolino		
	GP-12	6 . 0 . 0		<i>remarks - general:</i>	
				<i>remarks - this release:</i> .	
<hr/>					
<b>TR 45.811</b>	<b>Uplink - Time Difference Of Arrival (U-TDOA) in GSM and GPRS</b>				
Rel-6	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> G1 /	<i>rapporteur:</i> GROSS, Robert		TruePosition Inc.
	<i>freeze_meeting:</i> SP-11	G: yes U:	MCC: USAI, Paolino		
	<i>history (event, available, version,</i>			<i>remarks - general:</i>	
	GP-10 19/07/2002	6 . 0 . 0		<i>remarks - this release:</i> Renumbered from 41.811.	
			<a href="#">get it</a>		Renumbered from 41.811.

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

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**TR 45.902 Flexible layer 1**  
Rel-6 *current version:* 0.3.0 DRAFT *WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist NOKIA Corporation  
*freeze\_meeting:* *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version,*  
draft 0 . 0 . 0 *remarks - general:*  
GP-12 26/11/2002 0 . 3 . 0 GP-023427 [get it](#) *remarks - this release:* .

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

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**TS 48.008 Mobile Switching Centre- Base Station system (MSC-BSS) Interface Layer 3 Specification**  
Rel-6 *current version:* 6.0.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* *G: yes U:* *MCC:* Peter Skov  
*history (event, available, version,* THOMASEN, Gert  
GP-12 6 . 0 . 0 *remarks - general:*  
*remarks - this release:* .

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

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**TS 52.008 Telecommunication management; GSM subscriber and equipment trace**  
Rel-6 *current version:* none *WG (prime / other):* S5 / - *rapporteur:* RONKA, Kari NOKIA Corporation  
*freeze\_meeting:* *G: yes U:* *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
*remarks - general:*  
*remarks - this release:* .

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

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

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

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<b>TS 55.205</b>	<b>Specification of the GSM-MILENAGE algorithms: An example algorithm set for the GSM Authentication and Key Generation Functions A3 and A8</b>								
Rel-6	<i>current version:</i> 6.0.0								
	<i>freeze_meeting:</i>								
	<i>history (event, available, version,</i>								
	S3-26	0	.	1	.	0	S3-020675		<i>remarks - general:</i> Not subject to export control.
	SP-18	1	.	0	.	0	SP-020724		<i>remarks - this release:</i> .
	SP-18	6	.	0	.	0			

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<b>TS 55.216</b>	<b>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</b>								
Rel-6	<i>current version:</i> 6.1.0								
	<i>freeze_meeting:</i> SP-20								
	<i>history (event, available, version,</i>								
	SP-17 22/07/2002	1	.	0	.	0	SP-020506	<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	6	.	1	.	0			

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<b>TS 55.217</b>	<b>Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 2: Implementors' test data</b>								
Rel-6	<i>current version:</i> 6.1.0								
	<i>freeze_meeting:</i> SP-20								
	<i>history (event, available, version,</i>								
	SP-17 22/07/2002	1	.	0	.	0	SP-020506	<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	6	.	1	.	0			

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<b>TS 55.218</b>	<b>Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 3: Design and conformance test data</b>								
Rel-6	<i>current version:</i> 6.1.0								
	<i>freeze_meeting:</i> SP-20								
	<i>history (event, available, version,</i>								
	SP-17 22/07/2002	1	.	0	.	0	SP-020506	<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	6	.	1	.	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 Rel-6 55 .- series  
[http://www.3gpp.org/ftp/Specs/archive/55\\_series](http://www.3gpp.org/ftp/Specs/archive/55_series)

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**TR 55.919 Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 4: Design and evaluation report**

Rel-6 *current version:* 6.1.0 *WG (prime / other):* S3 / *rapporteur:* ,  
*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 6 . 1 . 0

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## Rel-5

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

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**TS 21.103 3rd Generation mobile system Release 5 specifications**

Rel-5 *current version:* 5.2.0 *WG (prime / other):* SP / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
*freeze\_meeting:* SP-16 *G:* *U:* yes *MCC:* POPE, Maurice  
*history (event, available, version,*  
SP-12 0 . 0 . 0 SP-010275 *remarks - general:*  
SP-12 05/07/2001 0 . 1 . 0 SP-010381 [get it](#) *remarks - this release:* .  
SP-13 01/10/2001 1 . 0 . 0 SP-010418 [get it](#)  
SP-15 19/03/2002 1 . 1 . 0 SP-020095 [get it](#)  
SP-15 19/03/2002 1 . 2 . 0 SP-020202 [get it](#)  
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 [get it](#)  
SP-17 18/09/2002 5 . 1 . 0 [get it](#)  
SP-18 5 . 2 . 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 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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<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> 5.0.1		<i>WG (prime / other):</i> SP / -	<i>rapporteur:</i> MEREDITH, John M		ETSI Secretariat
	<i>freeze_meeting:</i> SP-15		<i>G:</i> yes <i>U:</i> 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> .	
<hr/>						
<b>TR 21.877</b>	<b>Radio optimization impacts on the Packet Switched (PS) domain architecture</b>					
Rel-5	<i>current version:</i> 0.5.0	DRAFT	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> LAUTIER, Laurence		NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting:</i> SP-16		<i>G:</i> U: yes	<i>MCC:</i> SULTAN, Alain		
	<i>history (event, available, version,</i>					
	draft 15/04/2002	0 . 2 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	draft 14/08/2002	0 . 4 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .	
	draft 17/09/2002	0 . 5 . 0		<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 <i>U:</i> 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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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 21.905 Vocabulary for 3GPP Specifications

Rel-5 *current version:* 5.5.0  
*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

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

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

Rel-5 **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-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:* KOKKOLA, Tommi  
*G:* yes U: yes *MCC:* CLAYTON, Michael NOKIA Corporation

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

## 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

*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:* .

## TS 22.003 Circuit Teleservices supported by a Public Land Mobile Network (PLMN)

Rel-5 *current version:* 5.2.0  
*freeze\_meeting:* SP-15  
*history (event, available, version,*  
SP-14 10/01/2002 5 . 0 . 0  
SP-15 25/03/2002 5 . 1 . 0  
SP-16 04/07/2002 5 . 2 . 0

*WG (prime / other):* S1 / - *rapporteur:* KOKKOLA, Tommi  
*G:* yes U: yes *MCC:* CLAYTON, Michael NOKIA Corporation

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

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

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<b>TS 22.004</b>	<b>General on supplementary services</b>								
Rel-5	<i>current version:</i> 5.0.0								
	<i>freeze_meeting:</i> SP-16								
	<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> .
<b>TS 22.011</b>	<b>Service accessibility</b>								
Rel-5	<i>current version:</i> 5.1.0								
	<i>freeze_meeting:</i> SP-16								
	<i>history (event, available, version,</i>								
	SP-16 19/07/2002	5	.	0	.	0			
	SP-17 17/09/2002	5	.	1	.	0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	<i>remarks - this release:</i> .
							<a href="#">get it</a>	<i>remarks - this release:</i> .	
<b>TS 22.016</b>	<b>International Mobile Equipment Identities (IMEI)</b>								
Rel-5	<i>current version:</i> 5.0.0								
	<i>freeze_meeting:</i> SP-16								
	<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> .
<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>freeze_meeting:</i> SP-17								
	<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> .
<b>TS 22.024</b>	<b>Description of Charge Advice Information (CAI)</b>								
Rel-5	<i>current version:</i> 5.0.0								
	<i>freeze_meeting:</i> SP-16								
	<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,CR at TSG#5	<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 22.030</b>	<b>Man-Machine Interface (MMI) of the User Equipment (UE)</b>								
Rel-5	current version: 5.0.0 freeze_meeting: SP-16	WG (prime / other): S1 / -	rapporteur: TOIVANEN, Annukka	NOKIA Corporation					
	history (event, available, version, SP-16 19/07/2002 5 . 0 . 0	G: yes U: yes	MCC: CLAYTON, Michael						
		<a href="#">get it</a>	remarks - general: Transfer>TSG#4						
			remarks - this release: .						
<b>TS 22.031</b>	<b>Fraud Information Gathering System (FIGS); Service description; Stage 1</b>								
Rel-5	current version: 5.0.0 freeze_meeting: SP-18	WG (prime / other): S3 /	rapporteur: WRIGHT, Tim	Indicate persons who left Company and wait for new One					
	history (event, available, version, SP-18 5 . 0 . 0	G: yes U: yes	MCC: POPE, Maurice						
	Technically identical to 43.031 v5.0.0.								
			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: Created from 42.031 Rel-5.						
<b>TS 22.032</b>	<b>Immediate Service Termination (IST); Service description; Stage 1</b>								
Rel-5	current version: 5.0.0 freeze_meeting: SP-16	WG (prime / other): S3 /	rapporteur: WRIGHT, Tim	Indicate persons who left Company and wait for new One					
	history (event, available, version, SP-16 24/06/2002 5 . 0 . 0	G: yes U: yes	MCC: POPE, Maurice						
		<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: .						
<b>TS 22.034</b>	<b>High Speed Circuit Switched Data (HSCSD); Stage 1</b>								
Rel-5	current version: 5.0.0 freeze_meeting: SP-16	WG (prime / other): S1 / -	rapporteur: KOKKOLA, Tommi	NOKIA Corporation					
	history (event, available, version, SP-16 19/07/2002 5 . 0 . 0	G: yes U: yes	MCC: CLAYTON, Michael						
		<a href="#">get it</a>	remarks - general: Transfer>TSG#4						
			remarks - this release: .						
<b>TS 22.038</b>	<b>USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1</b>								
Rel-5	current version: 5.2.0 freeze_meeting: SP-15	WG (prime / other): S1 / -	rapporteur: CARPENTER, Paul	Research In Motion Limited					
	history (event, available, version, SP-09 18/10/2000 5 . 0 . 0 SP-10 08/01/2001 5 . 1 . 0 SP-12 27/06/2001 5 . 2 . 0	G: yes U: yes	MCC: CLAYTON, Michael						
		<a href="#">get it</a>	remarks - general: Transfer>TSG#4						
		<a href="#">get it</a>	remarks - this release: .						
		<a href="#">get it</a>							

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<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	<i>G:</i> yes <i>U:</i> 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> 5.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> DAHLKVIST, Mikael	ERICSSON MOBILE COMMUNICATIONS AB		
	<i>freeze_meeting:</i> SP-16	<i>G:</i> yes <i>U:</i> 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 22.053</b>	<b>Tandem Free Operation (TFO); Service description; Stage 1</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> NAVARRO, William	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> SP-16	<i>G:</i> yes <i>U:</i> 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 22.057</b>	<b>Mobile Execution Environment (MExE) service description; Stage 1</b>					
Rel-5	<i>current version:</i> 5.4.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CATALDO, Mark	Openwave Systems (N.I.) Ltd		
	<i>freeze_meeting:</i> SP-15	<i>G:</i> yes <i>U:</i> 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> Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution			
	SP-11 02/04/2001 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> Environment (MExE); Stage 1".			
	SP-13 05/10/2001 5 . 2 . 0	<a href="#">get it</a>				
	SP-15 25/03/2002 5 . 3 . 0	<a href="#">get it</a>				
edito post	SP-15 04/04/2002 5 . 3 . 1	<a href="#">get it</a>				
	SP-16 04/07/2002 5 . 4 . 0	<a href="#">get it</a>				

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<b>TS 22.060</b>	<b>General Packet Radio Service (GPRS); Service description; Stage 1</b>								
Rel-5	<i>current version:</i> 5.2.0	<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-13 05/10/2001 5 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4		
	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 22.066</b>	<b>Support of Mobile Number Portability (MNP); 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 22.067</b>	<b>enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> SWETINA, Joerg	SIEMENS AG					
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version,</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 22.071</b>	<b>Location Services (LCS); Stage 1</b>								
Rel-5	<i>current version:</i> 5.1.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> WOHLERT, Randolph	SBC Communications Inc.					
	<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#4		
	SP-15 25/03/2002 5 . 1 . 0					<a href="#">get it</a>	<i>remarks - this release:</i> .		
	edito post SP-15 04/04/2002 5 . 1 . 1					<a href="#">get it</a>			
<hr/>									
<b>TS 22.072</b>	<b>Call Deflection (CD); Stage 1</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> RAUCH, Horst	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> .		

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<b>TS 22.076</b>	<b>Noise suppression for the AMR codec; Service description; Stage 1</b>									
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	Telecom Italia Lab 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>						
				<i>remarks - this release:</i>						
<hr/>										
<b>TS 22.078</b>	<b>Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1</b>									
Rel-5	<i>current version:</i> 5.9.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> GRECH, Michel	Lucent Technologies Network Systems UK						
	<i>freeze_meeting:</i> SP-15	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael							
	<i>history (event, available, version,</i>									
	SP-09 09/11/2000	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-14 10/01/2002	5 . 5 . 0	<a href="#">get it</a>							
	SP-15 25/03/2002	5 . 6 . 0	<a href="#">get it</a>							
	SP-16 04/07/2002	5 . 7 . 0	<a href="#">get it</a>							
	SP-17 17/09/2002	5 . 8 . 0	<a href="#">get it</a>							
	SP-18	5 . 9 . 0								
<hr/>										
<b>TS 22.079</b>	<b>Support of optimal routing; Stage 1</b>									
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd						
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael							
	<i>history (event, available, version,</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 22.081</b>	<b>Line Identification supplementary services; Stage 1</b>									
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> AHNBERG, Tomas	Indicate persons who left Company and wait for new One						
	<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 22.082</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	<i>G: yes U: yes</i>	<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	<i>G: yes U: yes</i>	<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	<i>G: yes U: yes</i>	<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	<i>G: yes U: yes</i>	<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	<i>G: yes U: yes</i>	<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>			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4
	SP-16 19/07/2002 5 . 0 . 0				<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>			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4
	SP-16 19/07/2002 5 . 0 . 0				<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>			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4
	SP-16 19/07/2002 5 . 0 . 0				<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>			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4
	SP-16 19/07/2002 5 . 0 . 0				<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>			<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4
	SP-16 19/07/2002 5 . 0 . 0				<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		
			<i>remarks - this release:</i> .		
<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> 5.8.0	<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 5 . 8 . 0				

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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			<i>G:</i> 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			<i>G:</i> 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> 5.2.0			<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> MONTEGROSSO, Emanuele	TELECOM ITALIA S.p.A.			
	<i>freeze_meeting:</i> SP-15			<i>G:</i> 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>		
<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			<i>G:</i> 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	<a href="#">get it</a>		Converted from TS to TR.

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<b>TS 22.127</b>	<b>Service Requirement for the Open Services Access (OSA); Stage 1</b>								
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		<a href="#">get it</a>	remarks - general:				
	SP-13 05/10/2001	5 . 1 . 0		<a href="#">get it</a>	remarks - this release: .				
	edito 09/10/2001	5 . 1 . 1		<a href="#">get it</a>					
	SP-14 10/01/2002	5 . 2 . 0		<a href="#">get it</a>					
	SP-15 29/03/2002	5 . 3 . 0		<a href="#">get it</a>					
	SP-16 04/07/2002	5 . 4 . 0		<a href="#">get it</a>					
	SP-18	5 . 5 . 0							
<b>TS 22.129</b>	<b>Handover requirements between UTRAN and GERAN or other radio systems</b>								
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		<a href="#">get it</a>	remarks - general:				
	SP-14 10/01/2002	5 . 1 . 0		<a href="#">get it</a>	remarks - this release: .				
	SP-16 04/07/2002	5 . 2 . 0		<a href="#">get it</a>					
<b>TS 22.135</b>	<b>Multicall; Service description; Stage 1</b>								
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		<a href="#">get it</a>	remarks - general:				
					remarks - this release: .				
<b>TS 22.140</b>	<b>Multimedia Messaging Service (MMS); Stage 1</b>								
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		<a href="#">get it</a>	remarks - general: (development in T2)				
	SP-15 28/03/2002	5 . 1 . 0		<a href="#">get it</a>	remarks - this release: .				
	SP-16 04/07/2002	5 . 2 . 0		<a href="#">get it</a>					
	SP-17 17/09/2002	5 . 3 . 0		<a href="#">get it</a>					
	SP-18	5 . 4 . 0							

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

Rel-5 *current version:* 5.2.0 *freeze\_meeting:* SP-15  
*history (event, available, version,*  
SP-09 27/11/2000 1 . 0 . 0  
SP-12 27/06/2001 2 . 0 . 0 SP-010266  
SP-12 27/06/2001 5 . 0 . 0  
SP-13 05/10/2001 5 . 1 . 0  
SP-15 28/03/2002 5 . 2 . 0

*WG (prime / other):* S1 / - *rapporteur:* HELLSTROM, Gunnar The Swedish Handicap Institute  
*G: yes U: yes* *MCC:* CLAYTON, Michael

[get it](#) *remarks - general:* SP-16: to "GERAN" set.  
[get it](#) *remarks - this release:* WI approved TSG#7  
[get it](#)  
[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 *freeze\_meeting:* SP-15  
*history (event, available, version,*  
SP-09 28/09/2000 1 . 0 . 0  
SP-10 12/01/2001 5 . 0 . 0  
SP-11 02/04/2001 5 . 1 . 0  
SP-12 27/06/2001 5 . 2 . 0  
SP-13 05/10/2001 5 . 3 . 0  
SP-14 10/01/2002 5 . 4 . 0  
SP-15 28/03/2002 5 . 5 . 0  
SP-16 19/07/2002 5 . 6 . 0

*WG (prime / other):* S1 / *rapporteur:* CATALDO, Mark Openwave Systems (N.I.) Ltd  
*G: yes U: yes* *MCC:* CLAYTON, Michael

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* Clayton 2000-10-16: Rel-5 confirmed.  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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

Rel-5 *current version:* 5.0.0 *freeze\_meeting:* SP-16  
*history (event, available, version,*  
S1-12 0 . 1 . 0  
S1-13 0 . 2 . 0  
S1-14 0 . 3 . 0  
SP-14 02/01/2002 1 . 0 . 0 SP-010733  
SP-15 19/03/2002 2 . 0 . 0 SP-020062  
SP-15 27/03/2002 5 . 0 . 0

*WG (prime / other):* S1 / *rapporteur:* WOLAK, Stephen VODAFONE Group Plc  
*G: U: yes* *MCC:* CLAYTON, Michael

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

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<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>			<i>WG (prime / other):</i> S1 / <i>G:</i> U: yes	<i>rapporteur:</i> CATALDO, Mark <i>MCC:</i> CLAYTON, Michael			Openwave Systems (N.I.) Ltd	
<i>remarks - general:</i> <i>remarks - this release:</i> .									
<b>TR 22.941</b>	<b>IP based multimedia framework; Stage 0</b>								
Rel-5	<i>current version:</i> 0.7.0 <i>freeze_meeting:</i> SP-15 <i>history (event, available, version,</i>	DRAFT		<i>WG (prime / other):</i> S1 / <i>G:</i> U: yes	<i>rapporteur:</i> WOHLERT, Randolph <i>MCC:</i> CLAYTON, Michael			SBC Communications Inc.	
	draft 05/07/2001	0 . 1 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-12 05/07/2001	0 . 2 . 4	S1-010359, SP-010359 - not seen by SA1.	<a href="#">get it</a>	<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).				
	draft 15/10/2001	0 . 4 . 1		<a href="#">get it</a>					
	SP-14 02/01/2002	0 . 7 . 0	NP-010701 (!)	<a href="#">get it</a>					
<b>TR 22.944</b>	<b>Service requirements for UE functionality split</b>								
Rel-5	<i>current version:</i> 5.1.0 <i>freeze_meeting:</i> SP-15 <i>history (event, available, version,</i>			<i>WG (prime / other):</i> S1 / <i>G:</i> U: yes	<i>rapporteur:</i> GUPTA, Sanjay <i>MCC:</i> CLAYTON, Michael			MOTOROLA Ltd	
	SP-14 02/01/2002	1 . 0 . 0	SP-010679, SP-020064	<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-15 19/03/2002	2 . 0 . 0	SP-020064	<a href="#">get it</a>	<i>remarks - this release:</i> .				
	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>					
<b>TR 22.976</b>	<b>Study on PS domain services and capabilities</b>								
Rel-5	<i>current version:</i> 2.0.0 <i>freeze_meeting:</i> SP-15 <i>history (event, available, version,</i>	DRAFT		<i>WG (prime / other):</i> S1 / - <i>G:</i> U: yes	<i>rapporteur:</i> CATALDO, Mark <i>MCC:</i> CLAYTON, Michael			Openwave Systems (N.I.) Ltd	
	SP-08 28/06/2000	2 . 0 . 0	transferred from Rel-4	<a href="#">get it</a>	<i>remarks - general:</i> Created Jan-00 <i>remarks - this release:</i> 2001-12-04: Rel4->Rel-5 (Clayton).				

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<b>TS 23.002</b>	<b>Network architecture</b>					
Rel-5	<i>current version:</i> 5.9.0					
	<i>freeze_meeting:</i> SP-15					
	<i>history (event, available, version,</i>					
	SP-09 18/10/2000	5 . 0 . 0				
	SP-10 21/12/2000	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Transfer>TSG#4,CR at TSG#5	
	SP-11 06/04/2001	5 . 2 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-12 12/07/2001	5 . 3 . 0	<a href="#">get it</a>			
	SP-13 12/10/2001	5 . 4 . 0	<a href="#">get it</a>			
	SP-14 07/01/2002	5 . 5 . 0	<a href="#">get it</a>			
	SP-15 02/04/2002	5 . 6 . 0	<a href="#">get it</a>			
	SP-16 17/06/2002	5 . 7 . 0	<a href="#">get it</a>			
	SP-17 24/09/2002	5 . 8 . 0	<a href="#">get it</a>			
	SP-18	5 . 9 . 0				
<hr/>						
<b>TS 23.003</b>	<b>Numbering, Addressing and Identification</b>					
Rel-5	<i>current version:</i> 5.5.0					
	<i>freeze_meeting:</i> NP-15					
	<i>history (event, available, version,</i>					
	NP-12 27/06/2001	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-13 03/10/2001	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	.	
	NP-14 11/01/2002	5 . 2 . 0	<a href="#">get it</a>			
	NP-16 21/06/2002	5 . 3 . 0	<a href="#">get it</a>			
	NP-17 17/09/2002	5 . 4 . 0	<a href="#">get it</a>			
	NP-18	5 . 5 . 0				
<hr/>						
<b>TS 23.007</b>	<b>Restoration procedures</b>					
Rel-5	<i>current version:</i> 5.0.0					
	<i>freeze_meeting:</i> NP-15					
	<i>history (event, available, version,</i>					
	NP-16 21/06/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i>	.	

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<b>TS 23.008</b>	<b>Organisation of subscriber data</b>					
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> BAUER, Rolf	ALCATEL SEL AG		
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version,</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 17/09/2002 5 . 2 . 0	<a href="#">get it</a>				
	NP-18 5 . 3 . 0					
<hr/>						
<b>TS 23.009</b>	<b>Handover procedures</b>					
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> N1 / N4	<i>rapporteur:</i> FARHOUMAND,	Ericsson Incorporated		
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> ROUZBEH			
	<i>history (event, available, version,</i>		JORGENSEN, Per Johan			
	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 5 . 3 . 0					
<hr/>						
<b>TS 23.011</b>	<b>Technical realization of Supplementary Services</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> CONRAD, Alan	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> NP-15	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version,</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 23.012</b>	<b>Location management procedures</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	SONERA Corporation		
	<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>			
			<i>remarks - this release:</i> .			

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**TS 23.014 Support of Dual Tone Multi Frequency (DTMF) signalling**

Rel-5 *current version:* 5.1.0  
*freeze\_meeting:* NP-15

*history (event, available, version,*  
NP-16 26/06/2002 5 . 0 . 0  
NP-17 17/09/2002 5 . 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-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:* PARK, Ian David VODAFONE LTD  
*G: yes U: yes* *MCC:* Chalmers  
KYMALAINEN, Kimmo

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

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**TS 23.016 Subscriber data management; Stage 2**

Rel-5 *current version:* 5.2.0  
*freeze\_meeting:* NP-15

*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

*WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich SIEMENS AG  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

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

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**TS 23.018 Basic Call Handling; Technical realization**

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

*history (event, available, version,*  
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 5 . 5 . 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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<b>TS 23.031</b>	<b>Fraud Information Gathering System (FIGS); Service description; Stage 2</b>						
Rel-5	current version: 5.0.0 freeze_meeting: SP-18	WG (prime / other): S3 / -	rapporteur: WRIGHT, Tim		Indicate persons who left Company and wait for new One		
	history (event, available, version, SP-18	G: yes U: yes	MCC: POPE, Maurice				
	5 . 0 . 0			Technically identical to 43.031 v5.0.0		remarks - general: SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 & remarks - this release: Created from 43.031 Rel-5. Rel-5 -> 23.031.	
<b>TS 23.034</b>	<b>High Speed Circuit Switched Data (HSCSD); Stage 2</b>						
Rel-5	current version: 5.1.0 freeze_meeting: NP-15	WG (prime / other): N1 / -	rapporteur: CARRION RODRIGO, Inmaculada		NOKIA Corporation		
	history (event, available, version, NP-16 26/06/2002	G: yes U: yes	MCC: JORGENSEN, Per Johan				
	NP-18			5 . 0 . 0 5 . 1 . 0		get it remarks - general: remarks - this release: .	
<b>TS 23.035</b>	<b>Immediate Service Termination (IST); Stage 2</b>						
Rel-5	current version: 5.1.0 freeze_meeting: SP-16	WG (prime / other): S3 / -	rapporteur: WRIGHT, Tim		Indicate persons who left Company and wait for new One		
	history (event, available, version, SP-16 24/06/2002	G: yes U: yes	MCC: POPE, Maurice				
	SP-17 18/09/2002			5 . 0 . 0 5 . 1 . 0		get it remarks - general: SP-16: created to take over from 03.35 (R99) and 43.035 (Rel-4 onwards). get it remarks - this release: .	
<b>TS 23.038</b>	<b>Alphabets and language-specific information</b>						
Rel-5	current version: 5.0.0 freeze_meeting: TP-15	WG (prime / other): T2 / -	rapporteur: HARRIS, Ian		Teleca Limited		
	history (event, available, version, TP-15 21/03/2002	G: yes U: yes	MCC: RODERMUND, Friedhelm				
	5 . 0 . 0					get it remarks - general: remarks - this release: .	
<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	current version: 5.0.0 freeze_meeting: TP-15	WG (prime / other): T2 / -	rapporteur: HARRIS, Ian		Teleca Limited		
	history (event, available, version, TP-16 02/07/2002	G: yes U: yes	MCC: RODERMUND, Friedhelm				
	5 . 0 . 0					get it remarks - general: remarks - this release: .	

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

Rel-5 *current version:* 5.5.1  
*freeze\_meeting:* TP-15  
*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
post TP-17: adds	24/09/2002	5	.	5	.	1

test vector file

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

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

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

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

TP-16	26/06/2002	5	.	0	.	0
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*WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Teleca Limited  
*G: yes U: yes* *MCC:* RODERMUND, Friedhelm

[get it](#) *remarks - general:* Transfer>TSG#4  
*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  
*history (event, available, version,*

TP-16	26/06/2002	5	.	0	.	0
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*WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Teleca Limited  
*G: yes U: yes* *MCC:* RODERMUND, Friedhelm

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

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## TS 23.048 Security Mechanisms for the (U)SIM application toolkit; Stage 2

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

TP-12	06/07/2001	5	.	0	.	0
TP-13	12/10/2001	5	.	1	.	0
TP-14	17/01/2002	5	.	2	.	0
TP-15	28/03/2002	5	.	3	.	0
TP-17	23/09/2002	5	.	4	.	0
TP-18		5	.	5	.	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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<b>TS 23.053</b>	<b>Tandem Free Operation (TFO); Service description; Stage 2</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / S2	<i>rapporteur:</i> USAI, Paolino	Telecom Italia Lab S.p.A.					
	<i>freeze_meeting:</i> SP-16	<i>G: yes U: yes</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> No draft.						
			<i>remarks - this release:</i> .						
<b>TS 23.057</b>	<b>Mobile Execution Environment (MExE); Functional description; Stage 2</b>								
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> BRENK, Lars	TTPCom Ltd					
	<i>freeze_meeting:</i> TP-15	<i>G: yes U: yes</i>	<i>MCC:</i> RODERMUND, Friedhelm						
	<i>history (event, available, version,</i>								
	TP-15 25/03/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Apr-2001: " Station Application" removed from title.						
	TP-17 18/09/2002 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .						
<b>TS 23.060</b>	<b>General Packet Radio Service (GPRS) Service description; Stage 2</b>								
Rel-5	<i>current version:</i> 5.4.0	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> DELECKI, Andrew	MOTOROLA Ltd					
	<i>freeze_meeting:</i> SP-15	<i>G: yes U: yes</i>	<i>MCC:</i> SULTAN, Alain						
	<i>history (event, available, version,</i>								
	SP-14 08/01/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4						
	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>							
	SP-17 02/10/2002 5 . 3 . 0	<a href="#">get it</a>							
	SP-18 5 . 4 . 0								
<b>TS 23.066</b>	<b>Support of GSM Mobile Number Portability (MNP) stage 2</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> LOPEZ SORIA, Luis	Telefon AB LM Ericsson					
	<i>freeze_meeting:</i> NP-15	<i>G: yes U: yes</i>	<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> Transfer>TSG#4, CR at TSG#5						
			<i>remarks - this release:</i> .						
<b>TS 23.067</b>	<b>Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> SCHMITT, Peter	SIEMENS AG					
	<i>freeze_meeting:</i> NP-15	<i>G: yes U: yes</i>	<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 23.072</b>	<b>Call Deflection Supplementary Service; Stage 2</b>								
Rel-5	<i>current version:</i> 5.0.0			<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> CONRAD, Alan		T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> NP-15			<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>			
						<i>remarks - this release:</i>	.		
<hr/>									
<b>TS 23.078</b>	<b>Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2</b>								
Rel-5	<i>current version:</i> 5.2.0			<i>WG (prime / other):</i> N2 / -	<i>rapporteur:</i> HOMANN, Christian		ALCATEL SEL AG		
	<i>freeze_meeting:</i> NP-16			<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> JURISIC, Andrijana				
	<i>history (event, available, version,</i>								
	NP-16 17/06/2002	5	.	0	.	0			
	NP-17 17/09/2002	5	.	1	.	0			
	NP-18	5	.	2	.	0			
					<a href="#">get it</a>	<i>remarks - general:</i>	CR at TSG#4,CR at TSG#5		
					<a href="#">get it</a>	<i>remarks - this release:</i>	Phase 4.		
<hr/>									
<b>TS 23.079</b>	<b>Support of Optimal Routeing (SOR); Technical realization; Stage 2</b>								
Rel-5	<i>current version:</i> 5.2.0			<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David		VODAFONE LTD		
	<i>freeze_meeting:</i> NP-15			<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> Chalmers KYMALAINEN, Kimmo				
	<i>history (event, available, version,</i>								
	NP-15 28/03/2002	5	.	0	.	0			
	NP-16 21/06/2002	5	.	1	.	0			
	NP-18	5	.	2	.	0			
					<a href="#">get it</a>	<i>remarks - general:</i>	CR at TSG#4,CR at TSG#5		
					<a href="#">get it</a>	<i>remarks - this release:</i>	.		
<hr/>									
<b>TS 23.081</b>	<b>Line Identification supplementary services; Stage 2</b>								
Rel-5	<i>current version:</i> 5.1.0			<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo		SONERA Corporation		
	<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			
	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 23.082</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 2</b>								
Rel-5	<i>current version:</i> 5.0.0			<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo		SONERA Corporation		
	<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 21/06/2002	5	.	0	.	0			
					<a href="#">get it</a>	<i>remarks - general:</i>			
						<i>remarks - this release:</i>	.		

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<b>TS 23.083</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 Group Plc			
	<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 Group Plc			
	<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	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 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	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 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	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> .				

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**TS 23.088 Call Barring (CB) 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  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo SIEMENS AG

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

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**TS 23.090 Unstructured Supplementary Service Data (USSD); 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:* CROOK, Mick  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo ORANGE PCS LTD

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

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**TS 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2**

Rel-5 *current version:* 5.1.0  
*freeze\_meeting:* NP-15  
*history (event, available, version,*  
NP-16 21/06/2002 5 . 0 . 0  
NP-17 17/09/2002 5 . 1 . 0

*WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo SIEMENS AG

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

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**TS 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2**

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

*WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo SIEMENS AG

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

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**TS 23.094 Follow Me Stage 2**

Rel-5 *current version:* 5.0.1  
*freeze\_meeting:* NP-15  
*history (event, available, version,*  
NP-16 24/06/2002 5 . 0 . 0  
post NP-16 edito: 01/07/2002 5 . 0 . 1  
make fig 5.1

*WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo SIEMENS AG

[get it](#) *remarks - general:* Transfer>TSG#4. GSM only @TSG#5  
[get it](#) *remarks - this release:* .

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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 SIEMENS AG  
*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:* HEWSON, Ruth VODAFONE Group Plc  
*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:* 5.7.0  
*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 5 . 7 . 0

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

[get it](#) *remarks - general:* was 23.907  
[get it](#) *remarks - this release:*  
[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:* SALKINTZIS, Apostolis MOTOROLA GmbH  
*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		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> 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		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> 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		G: U: 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	5 . 2 . 0							
<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		G: U: yes	<i>MCC:</i> SULTAN, Alain					
	<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		G: 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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G = required in systems with GERAN acces; U = required in systems with UMTS

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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> 5.5.0			<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
	TP-15	29/03/2002	5	.	2	.	0		<a href="#">get it</a>	SDO publication till it is available.
	TP-16	05/07/2002	5	.	3	.	0	Schema delivered 2002-07-07 (uploaded	<a href="#">get it</a>	
								-19) to		
								<a href="http://www.3gpp.org/ftp/Specs/archive/23_series/23.140/schema/REL-5-MM7-1-0">http://www.3gpp.org/ftp/Specs/archive/23_series/23.140/schema/REL-5-MM7-1-0</a> .		
	TP-17	30/09/2002	5	.	4	.	0	Schema v1.1 uploaded 2002-11-14	<a href="#">get it</a>	
	TP-18		5	.	5	.	0			
<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> 5.3.0			<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		5	.	3	.	0			

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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> WIIK, Rune Werner	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> NP-16	<i>G:</i> U: yes	<i>MCC:</i> BOSWARTHICK, David		
	<i>history (event, available, version,</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	5 . 1 . 0			
<hr/>					
<b>TS 23.205</b>	<b>Bearer-independent circuit-switched core network; Stage 2</b>				
Rel-5	<i>current version:</i> 5.4.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> GARCIA-MENDIVE,	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-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	5 . 4 . 0			
<hr/>					
<b>TS 23.207</b>	<b>End-to-end Quality of Service (QoS) concept and architecture</b>				
Rel-5	<i>current version:</i> 5.6.0	<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 U: yes	<i>MCC:</i> SULTAN, Alain		
	<i>history (event, available, version,</i>				
	SP-12	2 . 0 . 0		<i>remarks - general:</i>	SP-010337
	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	5 . 6 . 0			

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

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

*WG (prime / other):* N1 / - *rapporteur:* ALLEN, Andrew dynamicsoft Inc.  
*G: yes U: yes* *MCC:* JORGENSEN, Per Johan

draft 30/03/2001 0 . 5 . 0  
draft 20/08/2001 0 . 5 . 2  
draft 11/09/2001 0 . 6 . 0  
draft 10/10/2001 0 . 7 . 0  
draft 05/11/2001 0 . 8 . 0  
draft 19/11/2001 0 . 9 . 0  
NP-14 05/12/2001 1 . 0 . 0 NP-010640  
draft 22/01/2002 1 . 1 . 0  
draft 06/02/2002 1 . 2 . 0  
draft 26/02/2002 2 . 0 . 0  
NP-15 19/03/2002 2 . 0 . 1 NP-020047  
NP-15 19/03/2002 5 . 0 . 0  
NP-16 25/06/2002 5 . 1 . 0  
NP-17 17/09/2002 5 . 2 . 0  
NP-18 5 . 3 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* .  
[get it](#)  
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## TS 23.221 Architectural requirements

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

*WG (prime / other):* S2 / - *rapporteur:* DANIEL, Elizabeth Lucent Technologies Network Systems UK  
*G: yes U: yes* *MCC:* SULTAN, Alain

SP-11 06/04/2001 5 . 0 . 0  
SP-12 02/07/2001 5 . 1 . 0  
SP-13 12/10/2001 5 . 2 . 0  
SP-14 07/01/2002 5 . 3 . 0  
SP-15 05/04/2002 5 . 4 . 0  
SP-16 18/06/2002 5 . 5 . 0  
SP-17 02/10/2002 5 . 6 . 0  
SP-18 5 . 7 . 0

[get it](#) *remarks - general:* Derived from R99-specific 23.121  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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

Rel-5 *current version:* 5.2.0 *WG (prime / other):* S2 / - *rapporteur:* HELLSTROM, Gunnar The Swedish Handicap Institute  
*freeze\_meeting:* NP-15 *G: yes U: yes* *MCC:* SULTAN, Alain  
*history (event, available, version,*  
SP-12 29/06/2001 2 . 0 . 0 SP-010336 *remarks - general:* 2002-03-06: N4->S2 (was wrong!) SP-16: to "GERAN" set.  
SP-12 07/01/2002 5 . 0 . 0 [get it](#) *remarks - this release:* WI approved TSG#7  
SP-14 07/01/2002 5 . 1 . 0 [get it](#)  
SP-15 05/04/2002 5 . 2 . 0 [get it](#)

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

Rel-5 *current version:* 5.1.0 *WG (prime / other):* T2 / - *rapporteur:* TOMÉ, Olga Telefon AB LM Ericsson  
*freeze\_meeting:* TP-15 *G: U: yes* *MCC:* RODERMUND, Friedhelm  
*history (event, available, version,*  
TP-14 11/01/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
TP-15 26/03/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .

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

Rel-5 *current version:* 5.7.0 *WG (prime / other):* S2 / - *rapporteur:* TOWLE, Thomas Lucent Technologies  
*freeze\_meeting:* SP-15 *G: yes U: yes* *MCC:* SULTAN, Alain  
*history (event, available, version,*  
draft 30/11/2000 1 . 0 . 0 [get it](#) *remarks - general:*  
SP-10 10/01/2001 1 . 4 . 0 SP-000598 [get it](#) *remarks - this release:* SP-15: No IMS support in Rel-5.  
draft 06/02/2001 1 . 7 . 0 [get it](#)  
SP-11 06/04/2001 5 . 0 . 0 [get it](#)  
SP-12 02/07/2001 5 . 1 . 0 [get it](#)  
SP-13 17/10/2001 5 . 2 . 0 [get it](#)  
repair of lost 5 . 2 . 1  
figures  
SP-14 04/01/2002 5 . 3 . 0 [get it](#)  
SP-15 08/04/2002 5 . 4 . 0 [get it](#)  
edito post SP-15 12/04/2002 5 . 4 . 1 [get it](#)  
SP-16 17/06/2002 5 . 5 . 0 [get it](#)  
SP-17 30/09/2002 5 . 6 . 0 [get it](#)  
SP-18 5 . 7 . 0

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<b>TS 23.236</b>	<b>Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes</b>				
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> TERRILL, Stephen	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> SP-15	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> SULTAN, Alain		
	<i>history (event, available, version,</i>				
	SP-12 12/07/2001 1 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	draft 16/08/2001 1 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .	
	SP-13 01/10/2001 2 . 0 . 0		<a href="#">get it</a>		
	SP-13 2 . 1 . 0			not made available	
	SP-13 15/10/2001 5 . 0 . 0		<a href="#">get it</a>		
	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>		

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<b>TS 23.240</b>	<b>3GPP generic user profile requirements; Stage 2; Architecture</b>				
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> S2 /	<i>rapporteur:</i> UZQUIANO, Nacho	TELEFONICA DE ESPAÑA SA	
	<i>freeze_meeting:</i> SP-15	<i>G:</i> <i>U:</i> yes	<i>MCC:</i> SULTAN, Alain		
	<i>history (event, available, version,</i>				
				<i>remarks - general:</i> Cf work item 'Generic user profile"	
				<i>remarks - this release:</i> SP-17: anticipate 1.0.0 at SP-18, 2.0.0 at SP-19.	

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<b>TS 23.271</b>	<b>Location Services (LCS); Functional description; Stage 2</b>				
Rel-5	<i>current version:</i> 5.5.0	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> KÅLL, Jan	NOKIA Corporation	
	<i>freeze_meeting:</i> SP-15	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> SULTAN, Alain		
	<i>history (event, available, version,</i>				
	SP-13 15/10/2001 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> post-TSG#8: Recombined 2G and 3G spec for R00 onwards.	
	SP-14 07/01/2002 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .	
	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 5 . 5 . 0				

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

Rel-5 *current version:* 5.1.0 *WG (prime / other):* N2 / - *rapporteur:* REMOQUILLO, Angelica Lucent Technologies  
*freeze\_meeting:* NP-18 *G:* yes *U:* yes *MCC:* JURISIC, Andrijana

*history (event, available, version,*

NP-14	02/01/2002	1	.	0	.	0	NP-010586
NP-15	19/03/2002	1	.	1	.	0	NP-020059
NP-16	26/06/2002	2	.	0	.	0	NP-020207 - not approved
NP-17	24/09/2002	2	.	1	.	0	NP-020348
NP-17	17/09/2002	5	.	0	.	0	
NP-18		5	.	1	.	0	

[get it](#)

*remarks - general:* 2001-10-26: renumbered from 23.178.

[get it](#)

*remarks - this release:* Was briefly 23.178. CAMEL Phase 4.

[get it](#)

[get it](#)

[get it](#)

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## TR 23.815 Charging implications of IMS architecture

Rel-5 *current version:* 5.0.0 *WG (prime / other):* S2 / *rapporteur:* MILINSKI, Alexander SIEMENS AG  
*freeze\_meeting:* SP-15 *G:* yes *U:* yes *MCC:* SULTAN, Alain

*history (event, available, version,*

draft		0	.	0	.	0	2001-08
S2-19		0	.	1	.	0	2001-10
S2-20	20/11/2001	0	.	2	.	0	
S2-21	04/12/2001	0	.	3	.	0	
SP-14	11/01/2002	1	.	0	.	0	SP-010718
SP-15	19/03/2002	2	.	0	.	0	SP-020144
SP-15	05/04/2002	5	.	0	.	0	

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*remarks - general:* Was 23.915.

*remarks - this release:* 2002-04 (Rapporteur): Proposed to withdraw, since contents has now been fully absorbed into S5 specs (esp 32.225).

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<b>TR 23.871</b>	<b>Enhanced support for user privacy in Location Services (LCS)</b>						
Rel-5	<i>current version:</i> 5.0.0						
	<i>freeze_meeting:</i> SP-15						
	<i>history (event, available, version,</i>						
	draft	0 . 0 . 1					
	draft	0 . 0 . 2					
	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			<a href="#">get it</a>	
	S2-23	1 . 2 . 0					
	draft 19/03/2002	1 . 3 . 0				<a href="#">get it</a>	
	SP-15	2 . 0 . 0	not presented				
	SP-16 22/07/2002	2 . 1 . 0	SP-020379			<a href="#">get it</a>	
	SP-16 25/07/2002	5 . 0 . 0				<a href="#">get it</a>	
							<i>remarks - general:</i>
							<i>remarks - this release:</i> Not to progress to Rel-6: see 23.271.
<b>TR 23.875</b>	<b>Support of Push service</b>						
Rel-5	<i>current version:</i> 5.1.0						
	<i>freeze_meeting:</i> SP-15						
	<i>history (event, available, version,</i>						
	SP-13 16/10/2001	5 . 0 . 0	derived from SP-010508			<a href="#">get it</a>	<i>remarks - general:</i> SP-13: changed number from 23.974.
	SP-14 04/04/2002	5 . 1 . 0				<a href="#">get it</a>	<i>remarks - this release:</i> .
<b>TR 23.910</b>	<b>Circuit switched data bearer services</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> 03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)
	NP-17 17/09/2002	5 . 1 . 0				<a href="#">get it</a>	<i>remarks - this release:</i> .
	NP-18	5 . 2 . 0					

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**TR 23.955 Virtual Home Environment (VHE) concepts**  
Rel-5 *current version:* 0.1.0 DRAFT *WG (prime / other):* S2 / - *rapporteur:* SULTAN, Alain SOURCE COM  
*freeze\_meeting:* SP-16 *G:* U: yes *MCC:* SULTAN, Alain  
*history (event, available, version,*  
draft 08/01/2001 0 . 0 . 0 [get it](#) *remarks - general:*  
draft 24/01/2001 0 . 1 . 0 [get it](#) *remarks - this release:*

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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 24.002 GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration**  
Rel-5 *current version:* 5.0.0 *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 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TS 24.007 Mobile radio interface signalling layer 3; General Aspects**  
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 [get it](#) *remarks - general:* Transfer>TSG#4,CR at TSG#5  
NP-17 17/09/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .

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

Rel-5 *current version:* 5.6.0 *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 [get it](#) *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 [get it](#) *remarks - this release:* . be resolved till Jun00.  
NP-14 10/01/2002 5 . 2 . 0 [get it](#)  
NP-18 5 . 3 . 0  
NP-15 21/03/2002 5 . 3 . 0 [get it](#)  
NP-16 24/06/2002 5 . 4 . 0 [get it](#)  
NP-17 17/09/2002 5 . 5 . 0 [get it](#)  
NP-18 5 . 6 . 0

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## TS 24.010 Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects

Rel-5 *current version:* 5.0.0 *WG (prime / other):* N4 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* NP-15 *G:* yes *U:* yes *MCC:* Peter Skov  
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 24.011 Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface

Rel-5 *current version:* 5.1.0 *WG (prime / other):* N1 / T2 *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* NP-15 *G:* yes *U:* yes *MCC:* Peter Skov  
JORGENSEN, Per Johan

*history (event, available, version,*  
NP-16 28/06/2002 5 . 0 . 0 [get it](#) *remarks - general:* Transfer>TSG#4  
NP-18 5 . 1 . 0 *remarks - this release:* .

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## TS 24.022 Radio Link Protocol (RLP) for circuit switched bearer and teleservices

Rel-5 *current version:* 5.1.0 *WG (prime / other):* N3 / - *rapporteur:* KLEHN, Norbert SIEMENS AG  
*freeze\_meeting:* NP-15 *G:* yes *U:* yes *MCC:* BOSWARTHICK, David

*history (event, available, version,*  
NP-14 16/01/2002 5 . 0 . 0 [get it](#) *remarks - general:* CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link  
NP-18 5 . 1 . 0 *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)

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

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<b>TS 24.030</b>	<b>Location Services (LCS); Supplementary service operations; Stage 3</b>								
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i>	N4 / -	<i>rapporteur:</i>	GARAPATY, Sonia	Nortel Networks (USA)			
	<i>freeze_meeting:</i> NP-15	<i>G: yes U: yes</i>		<i>MCC:</i>	KYMALAINEN, Kimmo				
	<i>history (event, available, version,</i>								
	NP-15 28/03/2002 5 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	TSG#7: txfrd from SMG to 3GPP for R99.				
	NP-16 21/06/2002 5 . 1 . 0	<a href="#">get it</a>		<i>remarks - this release:</i>	.				
<hr/>									
<b>TS 24.067</b>	<b>Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i>	N4 / -	<i>rapporteur:</i>	SCHMITT, Peter	SIEMENS AG			
	<i>freeze_meeting:</i> NP-15	<i>G: yes U: yes</i>		<i>MCC:</i>	KYMALAINEN, Kimmo				
	<i>history (event, available, version,</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	SIEMENS AG			
	<i>freeze_meeting:</i> NP-15	<i>G: yes U: yes</i>		<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	SIEMENS AG			
	<i>freeze_meeting:</i> NP-15	<i>G: yes U: yes</i>		<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 5 . 3 . 0								
<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	SIEMENS AG			
	<i>freeze_meeting:</i> NP-15	<i>G: yes U: yes</i>		<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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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>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	SIEMENS AG		
	<i>freeze_meeting:</i> NP-15	<i>G: yes U: yes</i>	<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 24.083</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 Group Plc		
	<i>freeze_meeting:</i> NP-15	<i>G: yes U: yes</i>	<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 Group Plc		
	<i>freeze_meeting:</i> NP-15	<i>G: yes U: yes</i>	<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	SIEMENS AG		
	<i>freeze_meeting:</i> NP-15	<i>G: yes U: yes</i>	<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	SIEMENS AG		
	<i>freeze_meeting:</i> NP-15	<i>G: yes U: yes</i>	<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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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>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	SIEMENS AG		
	<i>freeze_meeting:</i> NP-15	<i>G: yes U: yes</i>	<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 24.088</b>	<b>Call Barring (CB) Supplementary Service; Stage 3</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	SIEMENS AG		
	<i>freeze_meeting:</i> NP-15	<i>G: yes U: yes</i>	<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 24.090</b>	<b>Unstructured Supplementary Service Data (USSD); Stage 3</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> BRUSS, Jörg	ERICSSON Eurolab Deutschland GmbH		
	<i>freeze_meeting:</i> NP-15	<i>G: yes U: yes</i>	<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 24.091</b>	<b>Explicit Call Transfer (ECT) 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	SIEMENS AG		
	<i>freeze_meeting:</i> NP-15	<i>G: yes U: yes</i>	<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 24.093</b>	<b>Call Completion to Busy Subscriber (CCBS); Stage 3</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	SIEMENS AG		
	<i>freeze_meeting:</i> NP-15	<i>G: yes U: yes</i>	<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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**TS 24.096 Name Identification 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:* WIEHE, Ulrich  
*G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo SIEMENS AG

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

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

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

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

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

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## TS 24.228 Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3

Rel-5	current version: 5.3.0	WG (prime / other):	N1 / -	rapporteur:	KISS, Krisztian	NOKIA Corporation
	freeze_meeting: NP-16	G: yes U: yes		MCC:	JORGENSEN, Per Johan	
<i>history (event, available, version,</i>						
NP-10	05/01/2001	0 . 1 . 0	N1-001114->1378 (NP-000683)	<a href="#">get it</a>	<i>remarks - general:</i>	
draft	26/03/2001	0 . 4 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
draft	18/04/2001	0 . 5 . 0		<a href="#">get it</a>		
draft		1 . 0 . 0	N1-17			
NP-12	26/06/2001	1 . 0 . 0	NP-010278	<a href="#">get it</a>		
draft	26/06/2001	1 . 1 . 0	N1-010944	<a href="#">get it</a>		
draft	01/08/2001	1 . 2 . 0	N1-011230	<a href="#">get it</a>		
draft	11/09/2001	1 . 3 . 0	N1-011363	<a href="#">get it</a>		
draft	14/09/2001	1 . 4 . 0	N1-011364	<a href="#">get it</a>		
draft	05/10/2001	1 . 5 . 0	N1-011496	<a href="#">get it</a>		
draft	24/10/2001	1 . 6 . 0	N1-011706	<a href="#">get it</a>		
draft	19/11/2001	1 . 7 . 0		<a href="#">get it</a>		
NP-14	04/12/2001	1 . 8 . 0	NP-010641	<a href="#">get it</a>		
draft	22/01/2002	1 . 9 . 0		<a href="#">get it</a>		
draft	06/02/2002	1 . 10 . 0		<a href="#">get it</a>		
draft	26/02/2002	2 . 0 . 0		<a href="#">get it</a>		
draft	26/02/2002	2 . 0 . 1		<a href="#">get it</a>		
NP-15	19/03/2002	2 . 0 . 2	NP-020048	<a href="#">get it</a>		
NP-15	19/03/2002	5 . 0 . 0	not yet frozen	<a href="#">get it</a>		
NP-16	16/07/2002	5 . 1 . 0	Enormous CRs to create this version; take several man.weeks to accomplish	<a href="#">get it</a>		
NP-17	17/09/2002	5 . 2 . 0		<a href="#">get it</a>		
NP-18		5 . 3 . 0				

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## TS 24.229 IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3

Rel-5	current version: 5.3.0	WG (prime / other): N1 / -	rapporteur: DRAGE, Keith	Lucent Technologies Network Systems UK
	freeze_meeting: NP-16	G: yes U: yes	MCC: JORGENSEN, Per Johan	
<i>history (event, available, version,</i>				
NP-10		0 . 0 . 6		<i>remarks - general:</i> 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)	<i>remarks - this release:</i>
draft	26/03/2001	0 . 1 . 0		<a href="#">get it</a>
draft	10/05/2001	0 . 2 . 0		<a href="#">get it</a>
draft	26/06/2001	0 . 3 . 0		<a href="#">get it</a>
draft	26/07/2001	0 . 4 . 0		<a href="#">get it</a>
draft	12/09/2001	0 . 5 . 0		<a href="#">get it</a>
draft	09/10/2001	0 . 6 . 0		<a href="#">get it</a>
draft	24/10/2001	0 . 7 . 0		<a href="#">get it</a>
draft	19/11/2001	0 . 8 . 0		<a href="#">get it</a>
NP-14	06/12/2001	1 . 0 . 0	NP-010642	<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	06/02/2002	1 . 2 . 1		<a href="#">get it</a>
draft	27/02/2002	2 . 0 . 0		<a href="#">get it</a>
NP-15	19/03/2002	2 . 0 . 2	NP-020049	<a href="#">get it</a>
NP-15	19/03/2002	5 . 0 . 0	not frozen	<a href="#">get it</a>
NP-16	28/06/2002	5 . 1 . 0	CR009 not implemented; expect further CR at NP-17 to remove it.	<a href="#">get it</a>
NP-17	17/09/2002	5 . 2 . 0		<a href="#">get it</a>
NP-18		5 . 3 . 0		

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 UE Radio transmission and reception (FDD)**

Rel-5 *current version:* 5.5.0  
*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 5 . 5 . 0

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

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**TS 25.102 UTRA (UE) TDD; Radio transmission and reception**

Rel-5 *current version:* 5.3.0  
*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 5 . 3 . 0

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

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**TS 25.104 UTRA (BS) FDD; Radio transmission and reception**

Rel-5 *current version:* 5.5.0  
*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 5 . 5 . 0

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

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

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<b>TS 25.105</b>	<b>UTRA (BS) TDD: Radio transmission and reception</b>						
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> R4 / -	<i>rapporteur:</i> KOTTKAMP, Meik	SIEMENS AG			
	<i>freeze_meeting:</i> RP-15	<i>G:</i> U: yes	<i>MCC:</i>	GUTIERREZ MIGUELEZ, Cesar			
	<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 01/07/2002	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	RP-17 02/10/2002	5 . 2 . 0	<a href="#">get it</a>				
	RP-18	5 . 3 . 0					
<hr/>							
<b>TS 25.106</b>	<b>UTRA Repeater; Radio transmission and reception</b>						
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> R4 / -	<i>rapporteur:</i> NILSSON, Martin	Indicate persons who left Company and wait for new			
	<i>freeze_meeting:</i> RP-15	<i>G:</i> U: yes	<i>MCC:</i>	GUTIERREZ MIGUELEZ, Cesar	One		
	<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 01/07/2002	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	RP-17 02/10/2002	5 . 2 . 0	<a href="#">get it</a>				
	RP-18	5 . 3 . 0					
<hr/>							
<b>TS 25.113</b>	<b>Base station and repeater electromagnetic compatibility (EMC)</b>						
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> R4 / -	<i>rapporteur:</i> BARNES, David	DTI - Department of Trade and Industry			
	<i>freeze_meeting:</i> RP-15	<i>G:</i> 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>			
	edito 19/04/2002	5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	RP-16 01/07/2002	5 . 1 . 0	<a href="#">get it</a>				
	RP-17 02/10/2002	5 . 2 . 0	<a href="#">get it</a>				
	RP-18	5 . 3 . 0					
<hr/>							
<b>TS 25.123</b>	<b>Requirements for support of radio resource management (TDD)</b>						
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> R4 / -	<i>rapporteur:</i> GUERRINI, Claudio	TELECOM ITALIA S.p.A.			
	<i>freeze_meeting:</i> RP-15	<i>G:</i> U: yes	<i>MCC:</i>	GUTIERREZ MIGUELEZ, Cesar			
	<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 03/07/2002	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	RP-17 10/10/2002	5 . 2 . 0	<a href="#">get it</a>				
	RP-18	5 . 3 . 0					

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

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

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-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 5 . 5 . 0

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## TS 25.141 Base station conformance testing (FDD)

Rel-5 *current version:* 5.5.0 *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 5 . 5 . 0

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## TS 25.142 Base station conformance testing (TDD)

Rel-5 *current version:* 5.3.0 *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-15 29/03/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
RP-16 04/07/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
RP-17 04/10/2002 5 . 2 . 0 [get it](#)  
RP-18 5 . 3 . 0

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

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<b>TS 25.143</b>	<b>UTRA repeater; Conformance testing</b>					
Rel-5	current version: 5.3.0	WG (prime / other):	R4 / -	rapporteur:	KUMMETZ, Thomas	MIKOM GmbH - Mikrotechnik zur Kommunikation
	freeze_meeting: RP-15	G:	U: yes	MCC:	GUTIERREZ MIGUELEZ, Cesar	
	history (event, available, version,					
	RP-15 19/03/2002			<a href="#">get it</a>	remarks - general:	Created by renumbering 25.107
	RP-16 03/07/2002			<a href="#">get it</a>	remarks - this release:	.
	RP-17 02/10/2002			<a href="#">get it</a>		
	RP-18					
	5 . 0 . 0					
	5 . 1 . 0					
	5 . 2 . 0					
	5 . 3 . 0					
<hr/>						
<b>TS 25.201</b>	<b>Physical layer - general description</b>					
Rel-5	current version: 5.2.0	WG (prime / other):	R1 / -	rapporteur:	TOSKALA, Antti	NOKIA Corporation
	freeze_meeting: RP-15	G:	U: yes	MCC:	SASAKI, Tsukasa	
	history (event, available, version,					
	RP-15 29/03/2002			<a href="#">get it</a>	remarks - general:	
	RP-16 28/06/2002			<a href="#">get it</a>	remarks - this release:	.
	RP-17 27/09/2002			<a href="#">get it</a>		
	5 . 0 . 0					
	5 . 1 . 0					
	5 . 2 . 0					
<hr/>						
<b>TS 25.211</b>	<b>Physical channels and mapping of transport channels onto physical channels (FDD)</b>					
Rel-5	current version: 5.3.0	WG (prime / other):	R1 / -	rapporteur:	WILDE, Andreas	Telefon AB LM Ericsson
	freeze_meeting: RP-15	G:	U: yes	MCC:	SASAKI, Tsukasa	
	history (event, available, version,					
	RP-15 29/03/2002			<a href="#">get it</a>	remarks - general:	
	RP-16 28/06/2002			<a href="#">get it</a>	remarks - this release:	.
	RP-17 27/09/2002			<a href="#">get it</a>		
	RP-18					
	5 . 0 . 0					
	5 . 1 . 0					
	5 . 2 . 0					
	5 . 3 . 0					
<hr/>						
<b>TS 25.212</b>	<b>Multiplexing and channel coding (FDD)</b>					
Rel-5	current version: 5.3.0	WG (prime / other):	R1 / -	rapporteur:	TANAKA, Yoshinori	Fujitsu Limited
	freeze_meeting: RP-15	G:	U: yes	MCC:	SASAKI, Tsukasa	
	history (event, available, version,					
	RP-15 29/03/2002			<a href="#">get it</a>	remarks - general:	
	RP-16 28/06/2002			<a href="#">get it</a>	remarks - this release:	.
	RP-17 27/09/2002			<a href="#">get it</a>		
	RP-18					
	5 . 0 . 0					
	5 . 1 . 0					
	5 . 2 . 0					
	5 . 3 . 0					

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

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<b>TS 25.213</b>	<b>Spreading and modulation (FDD)</b>					
Rel-5	<i>current version:</i> 5.2.0	<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>				
<hr/>						
<b>TS 25.214</b>	<b>Physical layer procedures (FDD)</b>					
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> IKEDA, Shinobu	NEC Corporation		
	<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 5 . 3 . 0					
<hr/>						
<b>TS 25.215</b>	<b>Physical layer; Measurements (FDD)</b>					
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> IKEDA, Shinobu	NEC Corporation		
	<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-17 27/09/2002 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	RP-18 5 . 2 . 0					
<hr/>						
<b>TS 25.221</b>	<b>Physical channels and mapping of transport channels onto physical channels (TDD)</b>					
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> HIRAMATSU, Katsuhiko	Matsushita Communication Industrial Co, Ltd		
	<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 5 . 3 . 0					

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

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**TS 25.222 Multiplexing and channel coding (TDD)**

Rel-5 *current version:* 5.3.0

*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

editorial to correct 22/10/2002 5 . 2 . 1

clause numbers

RP-18 5 . 3 . 0

*WG (prime / other):* R1 / -

*G:* U: yes

*rapporteur:* KAHTAVA, Jussi

*MCC:* SASAKI, Tsukasa

Nokia Japan Co. Ltd

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

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

[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

*history (event, available, version,*

RP-15 29/03/2002 5 . 0 . 0

RP-16 28/06/2002 5 . 1 . 0

RP-18 5 . 3 . 0

*WG (prime / other):* R1 / -

*G:* U: yes

*rapporteur:* VACANT,

*MCC:* SASAKI, Tsukasa

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

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

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**TS 25.224 Physical layer procedures (TDD)**

Rel-5 *current version:* 5.3.0

*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

editorial to correct 22/10/2002 5 . 2 . 1

clause numbers

RP-18 5 . 3 . 0

*WG (prime / other):* R1 / -

*G:* U: yes

*rapporteur:* OESTREICH, Stefan

*MCC:* SASAKI, Tsukasa

SIEMENS AG

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

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

[get it](#)

[get it](#)

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

Rel-5 *current version:* 5.3.0

*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 5 . 3 . 0

*WG (prime / other):* R1 / -

*G:* U: yes

*rapporteur:* IKEDA, Shinobu

*MCC:* SASAKI, Tsukasa

NEC Corporation

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

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

[get it](#)

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

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

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<b>TS 25.302</b>	<b>Services provided by the physical layer</b>					
Rel-5	<i>current version:</i> 5.3.0		<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> MIHAILESCU, Claudiu		NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting:</i> RP-15		<i>G:</i> U: yes	<i>MCC:</i> ARZELIER, Claude		
	<i>history (event, available, version,</i>					
	RP-15 19/03/2002	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> V3.0.0 approved via e-mail July 99 CR at TSG#5?	
	RP-16 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	5 . 3 . 0				

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<b>TS 25.303</b>	<b>Interlayer procedures in Connected Mode</b>					
Rel-5	<i>current version:</i> 5.1.0		<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> RINNE, Mikko J		Nokia Research Center
	<i>freeze_meeting:</i> RP-15		<i>G:</i> U: yes	<i>MCC:</i> ARZELIER, Claude		
	<i>history (event, available, version,</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> .	

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<b>TS 25.304</b>	<b>UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode</b>					
Rel-5	<i>current version:</i> 5.2.0		<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> MAHKONEN, Marko		NOKIA Corporation
	<i>freeze_meeting:</i> RP-15		<i>G:</i> U: yes	<i>MCC:</i> ARZELIER, Claude		
	<i>history (event, available, version,</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	5 . 2 . 0				

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

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<b>TS 25.305</b>	<b>User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2</b>							
Rel-5	<i>current version:</i> 5.4.0	<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>					
<b>TS 25.306</b>	<b>UE Radio Access capabilities definition</b>							
Rel-5	<i>current version:</i> 5.3.0	<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	5 . 3 . 0						
<b>TS 25.307</b>	<b>Requirements on UEs supporting a release-independent frequency band</b>							
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> R2 / R4	<i>rapporteur:</i> FAUCONNIER, Denis	NORTEL NETWORKS (EUROPE)				
	<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> Release independent! - sort of. RP-13: responsibility: R2 = signalling				
				<i>remarks - this release:</i> Expect continual updates each time a new band is allowed. requirements, R4 = RF &				
				RMM requirements.				
<b>TS 25.308</b>	<b>UTRA High Speed Downlink Packet Access (HSPDA); Overall description; Stage 2</b>							
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> R2 /	<i>rapporteur:</i> KUCHIBHOTLA, Ravi	MOTOROLA Ltd				
	<i>freeze_meeting:</i> RP-15	G: U: yes	<i>MCC:</i> ARZELIER, Claude					
	<i>history (event, available, version,</i>							
	RP-13 01/10/2001	0 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i> TS created from entrails of TR 25.855.				
	RP-13 02/10/2001	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .				
	RP-14 04/01/2002	5 . 1 . 0	<a href="#">get it</a>					
	RP-15 21/03/2002	5 . 2 . 0	<a href="#">get it</a>					
	RP-18	5 . 3 . 0						

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



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

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-17 18/09/2002 5 . 2 . 0  
RP-18 5 . 3 . 0

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

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

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

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-17 19/09/2002 5 . 2 . 0  
RP-18 5 . 3 . 0

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

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

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

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

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

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

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**TS 25.324 Broadcast/Multicast Control (BMC)**

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-18 5 . 2 . 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 access; U = required in systems with UMTS

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<b>TS 25.331</b>	<b>Radio Resource Control (RRC) protocol specification</b>				
Rel-5	current version: 5.3.0	WG (prime / other): R2 / -	rapporteur: KUCHIBHOTLA, Ravi	MOTOROLA Ltd	
	freeze_meeting: RP-15	G: U: yes	MCC: ARZELIER, Claude		
	history (event, available, version,				
	RP-15 04/04/2002 5 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	RP-16 21/06/2002 5 . 1 . 0	<a href="#">get it</a>	remarks - this release: .		
	RP-17 01/10/2002 5 . 2 . 0	<a href="#">get it</a>			
	RP-18 5 . 3 . 0				
<b>TS 25.401</b>	<b>UTRAN Overall Description</b>				
Rel-5	current version: 5.5.0	WG (prime / other): R3 / -	rapporteur: CALMEL, Jean-Marie	NORTEL NETWORKS (EUROPE)	
	freeze_meeting: RP-15	G: U: yes	MCC: KRAUSE, Joern		
	history (event, available, version,				
	RP-12 06/07/2001 5 . 0 . 0	<a href="#">get it</a>	remarks - general: Approval at TSG#5		
	RP-13 12/10/2001 5 . 1 . 0	<a href="#">get it</a>	remarks - this release: .		
	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 5 . 5 . 0				
<b>TS 25.402</b>	<b>Synchronisation in UTRAN Stage 2</b>				
Rel-5	current version: 5.1.0	WG (prime / other): R3 / -	rapporteur: PIOLINI, Flavio	Indicate persons who left Company and wait for new One	
	freeze_meeting: RP-15	G: U: yes	MCC: KRAUSE, Joern		
	history (event, available, version,				
	RP-15 02/04/2002 5 . 0 . 0	<a href="#">get it</a>	remarks - general: New		
	RP-16 28/06/2002 5 . 1 . 0	<a href="#">get it</a>	remarks - this release: .		
<b>TS 25.410</b>	<b>UTRAN Iu Interface: General Aspects and Principles</b>				
Rel-5	current version: 5.3.0	WG (prime / other): R3 / -	rapporteur: TOWNEND, Richard	mmO2 plc	
	freeze_meeting: RP-15	G: U: yes	MCC: KRAUSE, Joern		
	history (event, available, version,				
	RP-15 25/03/2002 5 . 0 . 0	<a href="#">get it</a>	remarks - general: Approval at TSG#5		
	RP-16 28/06/2002 5 . 1 . 0	<a href="#">get it</a>	remarks - this release: .		
	RP-17 30/09/2002 5 . 2 . 0	<a href="#">get it</a>			
	RP-18 5 . 3 . 0				

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

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<b>TS 25.411</b>	<b>UTRAN Iu interface layer 1</b>								
Rel-5	current version: 5.0.0	WG (prime / other):	R3 / -	rapporteur:	BRANDT, Achim V.	SIEMENS AG			
	freeze_meeting: RP-15	G:	U: yes	MCC:	KRAUSE, Joern				
	history (event, available, version,								
	RP-15 25/03/2002	5	. 0 . 0	<a href="#">get it</a>	remarks - general:				
	RP-15 25/03/2002	5	. 0 . 0	<a href="#">get it</a>	remarks - this release: .				
<b>TS 25.411</b>	<b>UTRAN Iu interface layer 1</b>								
Rel-5	current version: 5.0.0	WG (prime / other):	R3 / -	rapporteur:	BRANDT, Achim V.	SIEMENS AG			
	freeze_meeting: RP-15	G:	U: yes	MCC:	KRAUSE, Joern				
	history (event, available, version,								
	RP-15 25/03/2002	5	. 0 . 0	<a href="#">get it</a>	remarks - general:				
	RP-15 25/03/2002	5	. 0 . 0	<a href="#">get it</a>	remarks - this release: .				
<b>TS 25.412</b>	<b>UTRAN Iu interface signalling transport</b>								
Rel-5	current version: 5.1.0	WG (prime / other):	R3 / -	rapporteur:	THAKARE, Kiran	RadioScape Limited			
	freeze_meeting: RP-15	G:	U: yes	MCC:	KRAUSE, Joern				
	history (event, available, version,								
	RP-15 25/03/2002	5	. 0 . 0	<a href="#">get it</a>	remarks - general:				
	RP-17 30/09/2002	5	. 1 . 0	<a href="#">get it</a>	remarks - this release: .				
<b>TS 25.413</b>	<b>UTRAN Iu interface RANAP signalling</b>								
Rel-5	current version: 5.3.0	WG (prime / other):	R3 / -	rapporteur:	JUSSILA, Jyrki	NOKIA Corporation			
	freeze_meeting: RP-15	G:	U: yes	MCC:	KRAUSE, Joern				
	history (event, available, version,								
	RP-15 02/04/2002	5	. 0 . 0	<a href="#">get it</a>	remarks - general:				
	RP-16 05/07/2002	5	. 1 . 0	<a href="#">get it</a>	remarks - this release: .				
	RP-17 11/10/2002	5	. 2 . 0	<a href="#">get it</a>					
	RP-18	5	. 3 . 0						
<b>TS 25.414</b>	<b>UTRAN Iu interface data transport &amp; transport signalling</b>								
Rel-5	current version: 5.3.0	WG (prime / other):	R3 / -	rapporteur:	COMSTOCK, David	Telefon AB LM Ericsson			
	freeze_meeting: RP-15	G:	U: yes	MCC:	KRAUSE, Joern				
	history (event, available, version,								
	RP-15 02/04/2002	5	. 0 . 0	<a href="#">get it</a>	remarks - general:				
	RP-16 28/06/2002	5	. 1 . 0	<a href="#">get it</a>	remarks - this release: .				
	RP-17 30/09/2002	5	. 2 . 0	<a href="#">get it</a>					
	RP-18	5	. 3 . 0						

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

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<b>TS 25.415</b>	<b>UTRAN Iu interface user plane protocols</b>					
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> 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 5 . 3 . 0					
<b>TS 25.419</b>	<b>UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)</b>					
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> TAYLOR, Carolyn	MOTOROLA Ltd		
	<i>freeze_meeting:</i> RP-15	<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern			
	<i>history (event, available, version,</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>				
<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> 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-17 03/10/2002 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
<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> U: yes	<i>MCC:</i> KRAUSE, Joern			
	<i>history (event, available, version,</i>					
	TP-15 25/03/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			
<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> 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-17 03/10/2002 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			

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

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## TS 25.423 UTRAN Iur interface RNSAP signalling

Rel-5 *current version:* 5.4.0 *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 CRs needs PCG approval. [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 5 . 4 . 0

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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:* .

---

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

Rel-5 *current version:* 5.3.0 *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 5 . 3 . 0

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

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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> 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-18		5	.	1	.	0		<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> 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>
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> 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>
									<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> 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>
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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G = required in systems with GERAN acces; U = required in systems with UMTS

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<b>TS 25.433</b>	<b>UTRAN lub interface NBAP signalling</b>						
Rel-5	current version: 5.3.0	WG (prime / other):	R3 / -	rapporteur:	ISHIKAWA, Nobutaka	NTT DoCoMo Inc	
	freeze_meeting: RP-15	G:	U: yes	MCC:	KRAUSE, Joern		
	history (event, available, version,						
	RP-15 04/04/2002	5 . 0 . 0		<a href="#">get it</a>	remarks - general:		
	RP-16 19/07/2002	5 . 1 . 0		<a href="#">get it</a>	remarks - this release: .		
	RP-17 11/10/2002	5 . 2 . 0		<a href="#">get it</a>			
	RP-18	5 . 3 . 0					
<hr/>							
<b>TS 25.434</b>	<b>UTRAN lub interface data transport &amp; transport signalling for CCH data streams</b>						
Rel-5	current version: 5.1.0	WG (prime / other):	R3 / -	rapporteur:	ALDEN, Magnus	TELIA AB	
	freeze_meeting: RP-15	G:	U: yes	MCC:	KRAUSE, Joern		
	history (event, available, version,						
	RP-15 02/04/2002	5 . 0 . 0		<a href="#">get it</a>	remarks - general:		
	RP-16 28/06/2002	5 . 1 . 0		<a href="#">get it</a>	remarks - this release: .		
<hr/>							
<b>TS 25.435</b>	<b>UTRAN lub interface user plane protocols for CCH data streams</b>						
Rel-5	current version: 5.3.0	WG (prime / other):	R3 / -	rapporteur:	CALMEL, Jean-Marie	NORTEL NETWORKS (EUROPE)	
	freeze_meeting: RP-15	G:	U: yes	MCC:	KRAUSE, Joern		
	history (event, available, version,						
	RP-15 02/04/2002	5 . 0 . 0		<a href="#">get it</a>	remarks - general:		
	RP-16 28/06/2002	5 . 1 . 0		<a href="#">get it</a>	remarks - this release: .		
	RP-17 03/10/2002	5 . 2 . 0		<a href="#">get it</a>			
	RP-18	5 . 3 . 0					
<hr/>							
<b>TS 25.442</b>	<b>UTRAN implementation-specific O&amp;M transport</b>						
Rel-5	current version: 5.1.0	WG (prime / other):	R3 / -	rapporteur:	RECKER, Stephan	Indicate persons who left Company and wait for new One	
	freeze_meeting: RP-15	G:	U: yes	MCC:	KRAUSE, Joern		
	history (event, available, version,						
	RP-15 28/03/2002	5 . 0 . 0		<a href="#">get it</a>	remarks - general:		
edito post	RP-15	5 . 0 . 1	(not supplied - use v5.0.0)	<a href="#">get it</a>	remarks - this release: .		
	RP-17 03/10/2002	5 . 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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**TS 25.450 UTRAN Iupc interface general aspects and principles**

Rel-5 *current version:* 5.1.0 *WG (prime / other):* R3 / *rapporteur:* LIN, le-Hong Qualcomm Inc  
*freeze\_meeting:* RP-15 *G:* U: yes *MCC:* KRAUSE, Joern  
*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 Iupc interface layer 1**

Rel-5 *current version:* 5.0.1 *WG (prime / other):* R3 / *rapporteur:* LIN, le-Hong Qualcomm Inc  
*freeze\_meeting:* RP-15 *G:* U: yes *MCC:* KRAUSE, Joern  
*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 Iupc interface signalling transport**

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

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**TS 25.453 UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling**

Rel-5 *current version:* 5.4.0 *WG (prime / other):* R3 / *rapporteur:* LIN, le-Hong Qualcomm Inc  
*freeze\_meeting:* RP-15 *G:* U: yes *MCC:* KRAUSE, Joern  
*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](#)

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



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**TR 25.854 Uplink Synchronous Transmission Scheme (USTS)**

Rel-5 *current version:* 5.0.0

*freeze\_meeting:* RP-15

*history (event, available, version,*

RP-13 01/10/2001 1 . 0 . 0 RP-010647

RP-11 05/04/2001 1 . 0 . 0 RP-010428 at RP-12

RP-14 02/01/2002 2 . 0 . 0 RP-010826

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

*WG (prime / other):* R1 /

*G:* *U:* yes

*rapporteur:* KIM, Duk Kyung

*MCC:* SASAKI, Tsukasa

SK TELECOM

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

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

[get it](#)

[get it](#)

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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 /

*G:* *U:* yes

*rapporteur:* KUCHIBHOTLA, Ravi

*MCC:* ARZELIER, Claude

MOTOROLA Ltd

*remarks - general:*

*remarks - this release:* .

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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 /

*G:* *U:* yes

*rapporteur:* BECKMANN, Mark

*MCC:* ARZELIER, Claude

SIEMENS AG

*remarks - general:*

*remarks - this release:* .

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**TR 25.858 Physical layer aspects of UTRA High Speed Downlink Packet Access**

Rel-5 *current version:* 5.0.0

*freeze\_meeting:* RP-15

*history (event, available, version,*

RP-14 02/01/2002 1 . 0 . 0 RP-010823

RP-15 04/04/2002 2 . 0 . 0 RP-020255

RP-15 29/03/2002 5 . 0 . 0

*WG (prime / other):* R1 / -

*G:* *U:* yes

*rapporteur:* GHOSH, Amitabha

*MCC:* SASAKI, Tsukasa

Motorola Inc.

[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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**TR 25.859 User Equipment (UE) positioning enhancements for 1,28 Mcps TDD**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* R2 / *rapporteur:* ,  
*freeze\_meeting:* RP-15 *G:* U: yes *MCC:* ARZELIER, Claude  
*history (event, available, version,*  
draft 0 . 0 . 0 *remarks - general:*  
draft 04/09/2001 0 . 1 . 0 *remarks - this release:* .  
RP-13 02/10/2001 1 . 0 . 1 RP-010560 [get it](#)  
RP-15 19/03/2002 2 . 0 . 0 RP-020089 [get it](#)  
RP-15 19/03/2002 2 . 0 . 1 RP-020214 [get it](#)  
RP-15 19/03/2002 5 . 0 . 0 [get it](#)

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**TR 25.860 Radio access bearer support enhancements**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* R2 / - *rapporteur:* MIKOLA, Juha NOKIA Corporation  
*freeze\_meeting:* RP-15 *G:* U: yes *MCC:* ARZELIER, Claude  
*history (event, available, version,*  
RP-15 19/03/2002 1 . 0 . 0 RP-020087 [get it](#) *remarks - general:*  
RP-16 25/06/2002 2 . 0 . 0 RP-020344 [get it](#) *remarks - this release:* .  
RP-16 17/06/2002 5 . 0 . 0 [get it](#)

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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  
*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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<b>TR 25.869</b>	<b>Transmitter diversity solutions for multiple antennas</b>								
Rel-5	<i>current version:</i> 1.0.2	DRAFT	<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> KIM, Sung-Jin	Samsung Electronics Ind. Co., Ltd.				
	<i>freeze_meeting:</i> RP-15		<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa					
	<i>history (event, available, version,</i>								
	RP-12 28/06/2001	1 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i>	
	RP-13 01/10/2001	1 . 0 . 1					<a href="#">get it</a>	<i>remarks - this release:</i> .	
	RP-15 19/03/2002	1 . 0 . 2					<a href="#">get it</a>		
<hr/>									
<b>TR 25.870</b>	<b>Enhancement on the DSCH Hard Split mode</b>								
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> R1 /	<i>rapporteur:</i> KIM, Jaeyoel	Samsung Electronics Ind. Co., Ltd.				
	<i>freeze_meeting:</i> RP-15		<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa					
	<i>history (event, available, version,</i>								
	RP-12 28/06/2001	0 . 1 . 0					<a href="#">get it</a>	<i>remarks - general:</i>	
	draft 14/09/2001	1 . 0 . 0					<a href="#">get it</a>	<i>remarks - this release:</i> .	
	RP-14 02/01/2002	1 . 1 . 0					<a href="#">get it</a>		
	RP-15 19/03/2002	2 . 0 . 0					<a href="#">get it</a>		
	RP-15 29/03/2002	5 . 0 . 0					<a href="#">get it</a>		
<hr/>									
<b>TR 25.875</b>	<b>NAS node selector function</b>								
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> R3 /	<i>rapporteur:</i> MCWILLIAMS, Brendan	VODAFONE Group Plc				
	<i>freeze_meeting:</i> RP-15		<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern					
	<i>history (event, available, version,</i>								
	RP-11 06/04/2001	0 . 0 . 1					<a href="#">get it</a>	<i>remarks - general:</i>	
	RP-14 02/01/2002	1 . 0 . 0					<a href="#">get it</a>	<i>remarks - this release:</i>	
	RP-15 19/03/2002	2 . 0 . 0					<a href="#">get it</a>		
	RP-15 25/03/2002	5 . 0 . 0					<a href="#">get it</a>		
<hr/>									
<b>TR 25.876</b>	<b>Multiple-Input Multiple-Output Antenna Processing for HSDPA</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> U: yes	<i>MCC:</i> SASAKI, Tsukasa					
	<i>history (event, available, version,</i>								
	RP-14 02/01/2002	1 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i>	
	RP-15 31/07/2002	1 . 1 . 0					<a href="#">get it</a>	<i>remarks - this release:</i> .	

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**TR 25.877 High Speed Downlink Packet Access (HSDPA) - lub/lur Protocol Aspects**

Rel-5 *current version:* 5.1.0 *WG (prime / other):* R3 / *rapporteur:* DIESEN, Michael MOTOROLA Ltd  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* KRAUSE, Joern  
*history (event, available, version,*  
draft 12/10/2001 0 . 1 . 0 [get it](#) *remarks - general:*  
draft 07/11/2001 0 . 2 . 2 [get it](#) *remarks - this release:* .  
draft 02/01/2002 0 . 3 . 1 [get it](#)  
RP-15 28/02/2002 1 . 0 . 0 R3-020891 = RP-020157 [get it](#)  
RP-15 28/02/2002 2 . 0 . 0 R3-020892 = RP-020158 [get it](#)  
RP-15 25/03/2002 5 . 0 . 0 [get it](#)  
RP-16 28/06/2002 5 . 1 . 0 [get it](#)

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**TR 25.878 RL timing adjustment**

Rel-5 *current version:* 5.1.0 *WG (prime / other):* R3 / *rapporteur:* VOLTOLINA, Elena Eva Telefon AB LM Ericsson  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* KRAUSE, Joern  
*history (event, available, version,*  
R3-23 11/01/2002 0 . 2 . 0 awaiting input from RAN1 & RAN2. [get it](#) *remarks - general:*  
RP-15 19/03/2002 1 . 0 . 0 RP-020139 [get it](#) *remarks - this release:* .  
RP-15 19/03/2002 2 . 0 . 0 RP-020140 [get it](#)  
RP-15 25/03/2002 5 . 0 . 0 [get it](#)  
RP-16 28/06/2002 5 . 1 . 0 [get it](#)

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

Rel-5 *current version:* 5.0.0 *WG (prime / other):* R3 / *rapporteur:*  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* KRAUSE, Joern  
*history (event, available, version,*  
R3-23 0 . 2 . 0 Status report in RP-010608. *remarks - general:*  
draft 03/12/2001 0 . 3 . 0 [get it](#) *remarks - this release:* .  
draft 03/12/2001 0 . 3 . 1 [get it](#)  
RP-15 19/03/2002 1 . 0 . 0 RP-020142 [get it](#)  
RP-15 19/03/2002 2 . 0 . 0 RP-020143 [get it](#)  
RP-15 25/03/2002 5 . 0 . 0 [get it](#)

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## TS 25.880 Traffic termination point swapping

Rel-5 *current version:* 5.0.0 *WG (prime / other):* R3 / *rapporteur:* ISOKANGAS, Jari NOKIA Corporation  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* KRAUSE, Joern  
*history (event, available, version,*  
R3-23 0 . 1 . 0 RP-010609 *remarks - general:*  
draft 11/01/2002 0 . 3 . 0 [get it](#) *remarks - this release:* .  
RP-15 19/03/2002 1 . 0 . 0 RP-020145 [get it](#)  
RP-15 19/03/2002 2 . 0 . 0 RP-020146 [get it](#)  
RP-15 25/03/2002 5 . 0 . 0 [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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<b>TR 25.883</b>	<b>Direct Transport Bearers Between SRNC and Node-B</b>								
Rel-5	<i>current version:</i> 5.0.0			<i>WG (prime / other):</i> R3 /	<i>rapporteur:</i> VAN LIESHOUT,		ERICSSON EUROLAB NETHERLANDS BV		
	<i>freeze_meeting:</i> RP-16			G: U: yes	MCC: KRAUSE, Joern				
	<i>history (event, available, version,</i>								
	draft 03/12/2001	0	. 2	. 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	RP-16 25/06/2002	1	. 0	. 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	RP-16 25/06/2002	2	. 0	. 0	<a href="#">get it</a>				
	RP-16 25/06/2002	2	. 0	. 1	<a href="#">get it</a>				
	RP-16 28/06/2002	5	. 0	. 0	<a href="#">get it</a>				

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<b>TR 25.884</b>	<b>Iur Neighbouring cell reporting efficiency optimisation</b>								
Rel-5	<i>current version:</i> 5.0.0			<i>WG (prime / other):</i> R3 /	<i>rapporteur:</i> VOLTOLINA, Elena Eva		Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> NP-16			G: U: yes	MCC: KRAUSE, Joern				
	<i>history (event, available, version,</i>								
	referred to at 11/01/2002	0	. 1	. 0	<a href="#">get it</a>	<i>remarks - general:</i> Previous rapporteur: Shahrokh Amirijoo.			
	RP-13					<i>remarks - this release:</i> .			
	RP-15 19/03/2002	1	. 0	. 0	<a href="#">get it</a>				
	RP-15 19/03/2002	2	. 0	. 0	<a href="#">get it</a>				
	RP-15 02/04/2002	5	. 0	. 0	<a href="#">get it</a>				

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<b>TR 25.890</b>	<b>High Speed Downlink Packet Access (HSDPA); User Equipment (UE) radio transmission and reception (FDD)</b>								
Rel-5	<i>current version:</i> 1.0.0			<i>WG (prime / other):</i> R4 /	<i>rapporteur:</i> FERNANDES, Edgar		MOTOROLA A/S		
	<i>freeze_meeting:</i>			G: U: yes	MCC: GUTIERREZ MIGUELEZ, Cesar				
	<i>history (event, available, version,</i>								
	draft	0	. 0	. 0		<i>remarks - general:</i>			
	RP-16 26/06/2002	1	. 0	. 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			

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<b>TR 25.893</b>	<b>Radio access bearer scenarios</b>								
Rel-5	<i>current version:</i> none			<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> MIKOLA, Juha		NOKIA Corporation		
	<i>freeze_meeting:</i> RP-19			G: U: yes	MCC: ARZELIER, Claude				
	<i>history (event, available, version,</i>								
						<i>remarks - general:</i>			
						<i>remarks - this release:</i> .			

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<b>TR 25.921</b>	<b>Guidelines and principles for protocol description and error handling</b>					
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> KALLA, Gairn	NOKIA UK Ltd		
	<i>freeze_meeting:</i> RP-15	<i>G:</i> 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-18 5 . 1 . 0		<i>remarks - this release:</i> .			
<hr/>						
<b>TR 25.922</b>	<b>Radio Resource Management Strategies</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> BULDORINI, Andrea	Telecom Italia Lab S.p.A.		
	<i>freeze_meeting:</i> RP-15	<i>G:</i> 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>			
			<i>remarks - this release:</i> .			
<hr/>						
<b>TR 25.931</b>	<b>UTRAN Functions, examples on signalling procedures</b>					
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> CASALINO, Francesco	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> RP-15	<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> .			
<hr/>						
<b>TR 25.933</b>	<b>IP transport in UTRAN</b>					
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> DREVON, Nicolas	ALCATEL S.A.		
	<i>freeze_meeting:</i> RP-15	<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern			
	<i>history (event, available, version,</i>					
	RP-15 28/03/2002 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> 2001-12-05: Rel-4 abandoned in favour of Rel-5 (Drevon).			
	RP-17 03/10/2002 5 . 2 . 0	<a href="#">get it</a>				
<hr/>						
<b>TR 25.942</b>	<b>RF system scenarios</b>					
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> R4 / -	<i>rapporteur:</i> BENABDALLAH, Nadia	Vodafone Omnitel SpA		
	<i>freeze_meeting:</i> RP-15	<i>G:</i> 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> Additional rapporteur = A.De Pasquale.			
	RP-16 03/07/2002 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			

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<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>	.
<b>TR 25.951</b>	<b>Base Station classification (FDD)</b>								
Rel-5	<i>current version:</i> 1.1.0								
	<i>freeze_meeting:</i> RP-16								
	<i>history (event, available, version,</i>								
	RP-13 01/10/2001	1	.	1	.	0			moved from Rel-4
							<a href="#">get it</a>	<i>remarks - general:</i>	
								<i>remarks - this release:</i>	2002-01-24: Gutierrez: moved from Rel-4.
<b>TR 25.952</b>	<b>Base Station classification (TDD)</b>								
Rel-5	<i>current version:</i> 5.1.0								
	<i>freeze_meeting:</i> RP-15								
	<i>history (event, available, version,</i>								
	RP-12	2	.	0	.	0			RP-010457
	RP-12 29/06/2001	5	.	0	.	0			
	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>	promoted from Rel-4 at RP-12.
<b>TR 25.956</b>	<b>UTRA repeater: Planning guidelines and system analysis</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 25.991</b>	<b>Feasibility study on the mitigation of the effect of common pilot channel (CPICH) interference at the user equipment</b>				
Rel-5	current version: 5.1.0	WG (prime / other): R4 /	rapporteur: MOSHAVI, Shimon	Intel Corporation	
	freeze_meeting: RP-15	G: U: yes	MCC: GUTIERREZ MIGUELEZ, Cesar		
history (event, available, version,					
	RP-14	02/01/2002	1 . 0 . 0	RP-010892	<a href="#">get it</a> remarks - general:
	RP-15	19/03/2002	2 . 0 . 0	RP-020121	<a href="#">get it</a> remarks - this release: .
	RP-15	02/04/2002	5 . 0 . 0		<a href="#">get it</a>
	RP-18		5 . 1 . 0		

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<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	current version: 5.0.0	WG (prime / other): R2 /	rapporteur: FAUCONNIER, Denis	NORTEL NETWORKS (EUROPE)	
	freeze_meeting:	G: U: yes	MCC: ARZELIER, Claude		
history (event, available, version,					
	RP-18		5 . 0 . 0		remarks - general:
					remarks - this release: 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	current version: 0.0.0	DRAFT	WG (prime / other): RP /	rapporteur: COURAU, Franois	ALCATEL S.A.
	freeze_meeting:		G: U: yes	MCC: GUTIERREZ MIGUELEZ, Cesar	
history (event, available, version,					
	RP-18		0 . 0 . 0	RP-020880	remarks - general:
					remarks - this release: .

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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	current version: 0.0.1	DRAFT	WG (prime / other): RP /	rapporteur: COURAU, Franois	ALCATEL S.A.
	freeze_meeting:		G: U: yes	MCC: GUTIERREZ MIGUELEZ, Cesar	
history (event, available, version,					
	draft		0 . 0 . 1		remarks - general:
					remarks - this release: .

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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>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 26.073</b>	<b>AMR speech Codec; C-source code</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>		
			<i>remarks - this release:</i> .		
<hr/>					
<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 Suppressor Application to the AMR Speech Encoder</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	Telecom Italia Lab 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>		
			<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> .		

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<b>TS 26.091</b>	<b>AMR speech Codec; Error concealment of lost frames</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</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> .		
<hr/>					
<b>TS 26.093</b>	<b>AMR speech Codec; Source Controlled Rate operation</b>				
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> SP-16	G: yes U: yes	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	SP-16 28/06/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4		
	SP-17 24/09/2002 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	SP-18 5 . 2 . 0				
<hr/>					
<b>TS 26.094</b>	<b>AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	Telecom Italia Lab 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> Transfer>TSG#4		
			<i>remarks - this release:</i> .		
<hr/>					
<b>TS 26.101</b>	<b>Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> HAGQVIST, Jari	NOKIA Corporation	
	<i>freeze_meeting:</i> SP-16	G: U: yes	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</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 26.102</b>	<b>AMR speech Codec; 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-16			<i>G: yes U: yes</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>			
	SP-18	5	. 1	. 0		<i>remarks - this release:</i>			
<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			<i>G: yes U: yes</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>	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	5	. 4	. 0					
<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> 5.0.0			<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino				Telecom Italia Lab S.p.A.
	<i>freeze_meeting:</i> SP-16			<i>G: yes U: yes</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>			
<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			<i>G: yes U: yes</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>			
<b>TS 26.111</b>	<b>Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324</b>								
Rel-5	<i>current version:</i> 5.0.0			<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> ARONSON, Barry				TOSHIBA CO
	<i>freeze_meeting:</i> SP-16			<i>G: yes U: yes</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>	CR at TSG#5		
						<i>remarks - this release:</i>			

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<b>TS 26.115</b>	<b>Echo control for speech and multi-media services</b>								
Rel-5	<i>current version:</i> 5.0.0			<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino		Telecom Italia Lab S.p.A.		
	<i>freeze_meeting:</i> SP-16			<i>G:</i> 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>		<i>remarks - this release:</i> .
<hr/>									
<b>TS 26.131</b>	<b>Terminal acoustic characteristics for telephony; Requirements</b>								
Rel-5	<i>current version:</i> 5.2.0			<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> GOETZ, Ian		TELLABS OPERATIONS INC.		
	<i>freeze_meeting:</i> SP-15			<i>G:</i> 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-13	02/10/2001	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>			
<hr/>									
<b>TS 26.132</b>	<b>Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification</b>								
Rel-5	<i>current version:</i> 5.3.0			<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> GOETZ, Ian		TELLABS OPERATIONS INC.		
	<i>freeze_meeting:</i> SP-15			<i>G:</i> 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-13	02/10/2001	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-17	24/09/2002	5 . 3 . 0			<a href="#">get it</a>			
<hr/>									
<b>TS 26.140</b>	<b>Multimedia Messaging Service (MMS); Media formats and codes</b>								
Rel-5	<i>current version:</i> 5.2.0			<i>WG (prime / other):</i> S4 / T2	<i>rapporteur:</i> CASTAGNO, Roberto		NOKIA Corporation		
	<i>freeze_meeting:</i> SP-15			<i>G:</i> yes 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-16	28/06/2002	5 . 1 . 0			<a href="#">get it</a>			
	SP-18		5 . 2 . 0						

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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 (AMR) Wideband speech codec

Rel-5 *current version:* 5.5.0 *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 [get it](#) *remarks - general:* 2001-10-01: added "G" flag.  
SP-12 27/06/2001 5 . 1 . 0 [get it](#) *remarks - this release:*  
edito 27/06/2001 5 . 1 . 1 [get it](#)  
SP-13 02/10/2001 5 . 2 . 0 [get it](#)  
SP-14 09/01/2002 5 . 3 . 0 [get it](#)  
SP-15 28/03/2002 5 . 4 . 0 [get it](#)  
SP-18 5 . 5 . 0

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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 [get it](#) *remarks - general:*  
SP-12 27/06/2001 5 . 1 . 0 [get it](#) *remarks - this release:*  
correction to test 12/11/2001 5 . 1 . 1 [get it](#)  
sequences  
SP-14 09/01/2002 5 . 2 . 0 [get it](#)  
SP-15 28/03/2002 5 . 3 . 0 [get it](#)  
SP-18 5 . 4 . 0

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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 [get it](#) *remarks - general:*  
SP-14 09/01/2002 5 . 1 . 0 [get it](#) *remarks - this release:*

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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>			
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<b>TS 26.193</b>	<b>AMR speech codec, wideband; Source Controlled Rate operation</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-15	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</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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<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>			
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<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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<b>TS 26.202</b>	<b>AMR speech codec, wideband; Interface to lu and Uu</b>								
Rel-5	current version: 5.1.0			WG (prime / other): S4 / -	rapporteur: NAVARRO, William	NORTEL NETWORKS (EUROPE)			
	freeze_meeting: SP-15			G: yes U: yes	MCC: USAI, Paolino				
	history (event, available, version,								
	draft	1 . 0 . 0					remarks - general:		
	SP-11 02/08/2002	2 . 0 . 0	SP-010091				remarks - this release:		
	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>	
<hr/>									
<b>TS 26.204</b>	<b>ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) wideband speech codec</b>								
Rel-5	current version: 5.0.0			WG (prime / other): S4 /	rapporteur: ,				
	freeze_meeting: SP-15			G: yes U: yes	MCC: USAI, Paolino				
	history (event, available, version,								
	SP-14 02/01/2002	1 . 0 . 0	SP-010693				remarks - general:		
	SP-15 19/03/2002	2 . 0 . 0	SP-020073				remarks - this release: .		
	SP-15 28/03/2002	5 . 0 . 0						<a href="#">get it</a>	
<hr/>									
<b>TS 26.226</b>	<b>Global text telephony (GTT);Transport of text in the voice channel</b>								
Rel-5	current version: 5.0.0			WG (prime / other): S4 / -	rapporteur: HELLSTROM, Gunnar	The Swedish Handicap Institute			
	freeze_meeting: SP-15			G: yes U: yes	MCC: USAI, Paolino				
	history (event, available, version,								
	SP-11 10/04/2001	5 . 0 . 0					remarks - general: SP-16: in "GERAN" set.		
							remarks - this release: TSG#10:2.0.0=SP-000569(Rel-5)->Rel-4		
<hr/>									
<b>TS 26.230</b>	<b>Global text telephony (GTT); Cellular text telephone modem transmitter C-code description</b>								
Rel-5	current version: 5.0.1			WG (prime / other): S4 / -	rapporteur: HELLSTROM, Gunnar	The Swedish Handicap Institute			
	freeze_meeting: SP-15			G: yes U: yes	MCC: USAI, Paolino				
	history (event, available, version,								
	SP-11 10/04/2001	5 . 0 . 0					remarks - general: SP-16: in "GERAN" set.		
	correct c-code 29/05/2001	5 . 0 . 1					remarks - this release: TSG#10:2.0.0=SP-000570(Rel-5)->Rel-4		

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



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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		The Swedish Handicap Institute	
	<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> <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>End-to-end transparent streaming service; Protocols and codecs</b>					
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> NOHLGREN, Anders		Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> SP-15	<i>G:</i> <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	5 . 3 . 0				
<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 based on v4.1.0	<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>	SP-12: transferred 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>TS 26.236</b>	<b>Packet switched conversational multimedia applications; Transport protocols</b>					
Rel-5	<i>current version:</i> 5.1.0		<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> OJALA, Pasi		Nokia Research Center
	<i>freeze_meeting:</i> SP-15		<i>G:</i> U: yes	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</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	5 . 1 . 0				
<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> 5.0.0		<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>	
					<i>remarks - this release:</i> .	
<hr/>						
<b>TR 26.937</b>	<b>Transparent end-to-end packet switched streaming service (PSS); RTP usage model</b>					
Rel-5	<i>current version:</i> 1.2.0	DRAFT	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> VARSA, Viktor		Nokia Telecommunications Inc.
	<i>freeze_meeting:</i>		<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	1 . 2 . 0			<i>remarks - this release:</i> .	
<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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**TR 26.976 Performance characterization of the Adaptive Multi-Rate Wideband (AMR-WB) speech codec**

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,*  
draft 0 . 0 . 1 *remarks - general:* Cf 26.975.  
SP-12 27/06/2001 0 . 3 . 0 SP-010302 [get it](#) *remarks - this release:* .  
SP-14 02/01/2002 0 . 6 . 0 SP-010692 [get it](#)  
SP-17 24/09/2002 1 . 0 . 0 SP-020432 [get it](#)  
SP-18 2 . 0 . 0 SP-020682  
SP-18 5 . 0 . 0

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**TS 27.001 General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)**

Rel-5 *current version:* 5.4.0 *WG (prime / other):* N3 / - *rapporteur:* WIJK, Rune Werner 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:*  
NP-15 20/03/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
NP-16 24/06/2002 5 . 2 . 0 [get it](#)  
NP-17 17/09/2002 5 . 3 . 0 [get it](#)  
NP-18 5 . 4 . 0

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**TS 27.002 Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* N3 / - *rapporteur:* WIJK, Rune Werner 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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G = required in systems with GERAN acces; U = required in systems with UMTS

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<b>TS 27.003</b>	<b>Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> WIJK, Rune Werner	Telefon AB LM Ericsson					
	<i>freeze_meeting:</i> NP-15	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i>	BOSWARTHICK, David					
	<i>history (event, available, version,</i>								
	NP-14 11/01/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
				<i>remarks - this release:</i>					
<hr/>									
<b>TS 27.005</b>	<b>Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Teleca Limited					
	<i>freeze_meeting:</i> TP-15	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i>	RODERMUND, Friedhelm					
	<i>history (event, available, version,</i>								
	TP-16 25/06/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
				<i>remarks - this release:</i>					
<hr/>									
<b>TS 27.007</b>	<b>AT command set for 3G User Equipment (UE)</b>								
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> TOMÉ, Olga	Telefon AB LM Ericsson					
	<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-14 15/01/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
	TP-15 04/04/2002	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					
	TP-18	5 . 2 . 0							
<hr/>									
<b>TS 27.010</b>	<b>Terminal Equipment to User Equipment (TE-UE) multiplexer protocol</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> BROOK, Richard	SAMSUNG Electronics Research Institute					
	<i>freeze_meeting:</i> TP-15	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i>	RODERMUND, Friedhelm					
	<i>history (event, available, version,</i>								
	TP-16 26/06/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
				<i>remarks - this release:</i>					
<hr/>									
<b>TS 27.060</b>	<b>Packet domain; Mobile Station (MS) supporting Packet Switched services</b>								
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> WILD, Johanna	MOTOROLA Ltd					
	<i>freeze_meeting:</i> NP-15	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i>	BOSWARTHICK, David					
	<i>history (event, available, version,</i>								
	NP-14 11/01/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	GPRS				
	NP-16 24/06/2002	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	5 . 3 . 0							

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<b>TS 27.103</b>	<b>Wide Area Network Synchronization</b>								
Rel-5	<i>current version:</i> 5.0.0			<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> CHAU, Alan	NOKIA UK Ltd			
	<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-16 26/06/2002 5 . 0 . 0							<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
<hr/>									
<b>TS 27.104</b>	<b>vObjects and other constructs for data synchronization</b>								
Rel-5	<i>current version:</i> 0.1.1	DRAFT		<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> LOCKHART, Rob	Motorola Inc.			
	<i>freeze_meeting:</i> TP-15			<i>G:</i> <i>U:</i> yes	<i>MCC:</i> RODERMUND, Friedhelm				
	<i>history (event, available, version,</i>								
	TP-10 05/01/2001 0 . 1 . 1 SP-000657							<a href="#">get it</a>	<i>remarks - general:</i> TP-14: may be merged with 24.241 <i>remarks - this release:</i> TSG#11:Rel4->Rel5.
<hr/>									
<b>TS 27.241</b>	<b>3GPP generic user profile requirements; Stage 3; Access; Common objects</b>								
Rel-5	<i>current version:</i> none			<i>WG (prime / other):</i> T2 /	<i>rapporteur:</i> LOCKHART, Rob	Motorola Inc.			
	<i>freeze_meeting:</i> TP-16			<i>G:</i> <i>U:</i> yes	<i>MCC:</i> RODERMUND, Friedhelm				
	<i>history (event, available, version,</i>								
									<i>remarks - general:</i> Cf work item 'Generic user profile" - may be renumbered to 24.241 <i>remarks - this release:</i> .
<hr/>									
<b>TR 27.901</b>	<b>Report on Terminal Interfaces - An Overview</b>								
Rel-5	<i>current version:</i> 5.0.0			<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> REX, Thomas	ERICSSON MOBILE COMMUNICATIONS AB			
	<i>freeze_meeting:</i> TP-15			<i>G:</i> <i>U:</i> yes	<i>MCC:</i> RODERMUND, Friedhelm				
	<i>history (event, available, version,</i>								
	TP-16 26/06/2002 5 . 0 . 0							<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .
<hr/>									

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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 5 . 3 . 0

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**TS 29.002 Mobile Application Part (MAP) specification**

Rel-5 *current version:* 5.4.0 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich SIEMENS AG  
*freeze\_meeting:* NP-15 *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 5 . 4 . 0

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**TS 29.007 General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone**

Rel-5 *current version:* Network (PSTN) 5.4.0 *WG (prime / other):* N3 / - *rapporteur:* KLEHN, Norbert  
SIEMENS AG  
*freeze\_meeting:* NP-15 *G: yes U: yes* *MCC:* BOSWARTHICK, David  
*history (event, available, version,*  
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 5 . 4 . 0

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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-5 SONERA Corporation	<i>current version:</i> Procedures and the Mobile Application Part (MAP) <i>freeze_meeting:</i> NP-15 <i>history (event, available, version,</i> NP-16 21/06/2002 5 . 0 . 0 NP-17 18/09/2002 5 . 1 . 0 NP-18 5 . 2 . 0	5.2.0 WG (prime / other): N4	G: yes U: yes	MCC: KYMALAINEN, Kimmo	-	<i>rapporteur:</i> KYMALAINEN, Kimmo	
								<i>remarks - general:</i> Transfer>TSG#4 (transfer??) <i>remarks - this release:</i> .	
<b>TS 29.011</b>	<b>Signalling Interworking for 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 25/06/2002 5 . 0 . 0	WG (prime / other): N4 / -	G: yes U: yes	<i>rapporteur:</i> WIEHE, Ulrich <i>MCC:</i> KYMALAINEN, Kimmo	/ -	SIEMENS AG	
								<i>remarks - general:</i> <i>remarks - this release:</i> .	
<b>TS 29.013</b>	<b>Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols</b>	Rel-5	<i>current version:</i> 5.0.0 <i>freeze_meeting:</i> NP-15 <i>history (event, available, version,</i> NP-16 25/06/2002 5 . 0 . 0	WG (prime / other): N4 / -	G: yes U: yes	<i>rapporteur:</i> WIEHE, Ulrich <i>MCC:</i> KYMALAINEN, Kimmo	/ -	SIEMENS AG	
								<i>remarks - general:</i> Transfer>TSG#4 <i>remarks - this release:</i> .	
<b>TS 29.016</b>	<b>Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification</b>	Rel-5	<i>current version:</i> 5.0.0 <i>freeze_meeting:</i> NP-15 <i>history (event, available, version,</i> NP-16 26/06/2002 5 . 0 . 0	WG (prime / other): N1 / -	G: yes U: yes	<i>rapporteur:</i> MILLS, Duncan <i>MCC:</i> JORGENSEN, Per Johan	/ -	VODAFONE Group Plc	
								<i>remarks - general:</i> <i>remarks - this release:</i> .	
<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> 5.3.0 <i>freeze_meeting:</i> NP-15 <i>history (event, available, version,</i> NP-14 04/01/2002 5 . 0 . 0 NP-15 19/03/2002 5 . 1 . 0 NP-16 26/06/2002 5 . 2 . 0 NP-18 5 . 3 . 0	WG (prime / other): N1 / -	G: yes U: yes	<i>rapporteur:</i> MILLS, Duncan <i>MCC:</i> JORGENSEN, Per Johan	/ -	VODAFONE Group Plc	
								<i>remarks - general:</i> <i>remarks - this release:</i> .	

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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> 5.4.0			<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	SONERA Corporation			
	<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-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		5 . 4 . 0						
<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> 5.4.0			<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> WILD, Johanna	MOTOROLA Ltd			
	<i>freeze_meeting:</i> NP-17			<i>G:</i> yes <i>U:</i> 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	NP-16: spec should not be considered	<a href="#">get it</a>	<i>remarks - this release:</i> NP-16: some indications from N3 report that this 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		5 . 4 . 0						
<hr/>									
<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> 5.2.0			<i>WG (prime / other):</i> N2 / -	<i>rapporteur:</i> NOLDUS, Rogier	Telefon AB LM Ericsson			
	<i>freeze_meeting:</i> NP-16			<i>G:</i> yes <i>U:</i> 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		5 . 2 . 0						
<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> 5.2.0			<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> VESELY, Alexander	SIEMENS AG			
	<i>freeze_meeting:</i> RP-15			<i>G:</i> <i>U:</i> 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		5 . 2 . 0						

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<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		<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> 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		<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> New after TSG#5					
				<i>remarks - this release:</i> .					
<hr/>									
<b>TS 29.162</b>	<b>Interworking between the IM CN subsystem and IP networks</b>								
Rel-5	<i>current version:</i> 1.0.0	DRAFT	<i>WG (prime / other):</i> N3 /	<i>rapporteur:</i> HOLLAND, Nigel	mmO2 plc				
	<i>freeze_meeting:</i> NP-16		<i>G:</i> yes U: yes	<i>MCC:</i> BOSWARTHICK, David					
	<i>history (event, available, version,</i>								
	draft 01/06/2001	0 . 1 . 0							
	draft 08/11/2001	0 . 3 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	draft 14/01/2002	0 . 4 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .				
	draft 18/02/2002	0 . 6 . 1		<a href="#">get it</a>					
	NP-15 19/03/2002	1 . 0 . 0 NP-020076		<a href="#">get it</a>					
<hr/>									
<b>TS 29.198-01</b>	<b>Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview</b>								
Rel-5	<i>current version:</i> 5.1.0		<i>WG (prime / other):</i> N5 /	<i>rapporteur:</i> MOERDIJK, Ard-Jan	Telefon AB LM Ericsson				
	<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							
	NP-17 01/10/2002	5 . 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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**TS 29.198-02 Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data**

Rel-5 *current version:* 5.1.1 *WG (prime / other):* N5 / *rapporteur:* MOERDIJK, Ard-Jan Telefon AB LM Ericsson  
*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

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

Rel-5 *current version:* 5.1.0 *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:* .

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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:* 5.1.0 *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:* .

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

Rel-5 *current version:* 5.1.0 *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:* .

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

Rel-5 *current version:* 5.1.0 *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:* .

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

Rel-5 *current version:* 5.1.0 *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:* .

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

Rel-5 *current version:* 5.1.0 *WG (prime / other):* N5 / *rapporteur:* ZOICAS, Adrian  
*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:* .

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

Rel-5 *current version:* 5.1.0 *WG (prime / other):* N5 / *rapporteur:* TWEEDIE, David NORTEL NETWORKS (EUROPE)  
*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:* .

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

Rel-5 *current version:* 5.2.0 *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](#)

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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:* 5.1.0 *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:* .

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

Rel-5 *current version:* 5.1.0 *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:* .

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

Rel-5 *current version:* 5.1.0 *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:* .

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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 13: Presence and Availability Management (PAM)**

Rel-5 *current version:* 5.1.0 *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](#)

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<b>TS 29.202</b>	<b>Signalling System No. 7 (SS7) signalling transport in core network; Stage 3</b>								
Rel-5	<i>current version:</i> 5.2.0		<i>WG (prime / other):</i> N4 /		<i>rapporteur:</i> ANGELO, Ciriaco		Telefon AB LM Ericsson		
	<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>				
	NP-17 18/09/2002	5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .				
	NP-18	5 . 2 . 0							
<hr/>									
<b>TS 29.205</b>	<b>Application of Q.1900 series to bearer-independent circuit-switched core network architecture; Stage 3</b>								
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> N4 /		<i>rapporteur:</i> HEIDERMARK, Alf		Telefon AB LM Ericsson		
	<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>				
					<i>remarks - this release:</i> .				
<hr/>									
<b>TS 29.207</b>	<b>Policy control over Go interface</b>								
Rel-5	<i>current version:</i> 5.2.0		<i>WG (prime / other):</i> N3 / -		<i>rapporteur:</i> YOKOTA, Daisuke		Lucent Technologies Japan Ltd.		
	<i>freeze_meeting:</i> NP-16		G: 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	5 . 2 . 0							

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

Rel-5 *current version:* 5.2.0  
*freeze\_meeting:* NP-16  
*history (event, available, version,*

*WG (prime / other):* N3 / *rapporteur:* YOKOTA, Daisuke Lucent Technologies Japan Ltd.  
*G: yes U: yes* *MCC:* BOSWARTHICK, David

draft 08/11/2001 0 . 1 . 0  
draft 14/01/2002 0 . 2 . 0  
draft 18/02/2002 0 . 3 . 1  
NP-15 19/03/2002 1 . 0 . 0 NP-020079  
draft 18/04/2002 1 . 1 . 0  
NP-16 26/06/2002 2 . 0 . 0 NP-020166  
NP-16 28/06/2002 5 . 0 . 0  
NP-17 18/09/2002 5 . 1 . 0  
NP-18 5 . 2 . 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 29.228 IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents

Rel-5 *current version:* 5.2.0  
*freeze\_meeting:* NP-16  
*history (event, available, version,*

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

NP-12 04/07/2001 0 . 1 . 0 NP-010303  
N4-08 0 . 2 . 0 N4-010697  
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  
draft 28/03/2002 1 . 1 . 0  
NP-16 25/06/2002 2 . 0 . 0 NP-020264  
NP-16 25/06/2002 5 . 0 . 0  
NP-17 17/09/2002 5 . 1 . 0  
NP-18 5 . 2 . 0

[get it](#) *remarks - general:* Additional rapporteur: Miguel-Angel Pallares-Lopez  
*remarks - this release:* .  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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**TS 29.229 Cx and Dx interfaces based on the Diameter protocol; Protocol details**

Rel-5 *current version:* 5.2.0 *freeze\_meeting:* NP-16  
*WG (prime / other):* N4 / - *rapporteur:* PALLARES LÓPEZ, Miguel Angel Telefon AB LM Ericsson  
*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	<a href="#">get it</a>	<i>remarks - general:</i> 2nd rapporteur: CZOMA, Balazs.
draft	28/03/2002	1	. 1	. 0		<a href="#">get it</a>	<i>remarks - this release:</i> .
NP-16	26/06/2002	2	. 0	. 0	NP-020265	<a href="#">get it</a>	
NP-16	25/06/2002	5	. 0	. 0		<a href="#">get it</a>	
NP-17	18/09/2002	5	. 1	. 0		<a href="#">get it</a>	
NP-18		5	. 2	. 0			

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**TS 29.232 Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3**

Rel-5 *current version:* 5.4.0 *freeze\_meeting:* NP-15  
*WG (prime / other):* N4 / - *rapporteur:* PARK, Ian David VODAFONE LTD  
*G:* U: yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*

NP-14	11/01/2002	5	. 0	. 0		<a href="#">get it</a>	<i>remarks - general:</i> Additional rapporteur: Laura.Pomponi@CSELT.IT
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		5	. 4	. 0			

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**TS 29.240 3GPP generic user profile requirements; Stage 3; Network**

Rel-5 *current version:* none *freeze\_meeting:* NP-16  
*WG (prime / other):* N4 / *rapporteur:* KYMALAINEN, Kimmo SONERA Corporation  
*G:* U: yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*

*remarks - general:* Cf work item 'Generic user profile" - may be renumbered to 27.241  
*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 29.278</b>	<b>Custom used Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS)</b>				
Rel-5	<i>current version:</i> 5.1.0	<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	5 . 1 . 0			
<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> 5.2.0	<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-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	5 . 2 . 0			
<hr/>					
<b>TS 29.329</b>	<b>Sh interface based on the Diameter protocol</b>				
Rel-5	<i>current version:</i> 5.2.0	<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	5 . 2 . 0			
<hr/>					
<b>TS 29.414</b>	<b>Core network Nb data transport and transport signalling</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BELLING, Thomas	SIEMENS AG	
	<i>freeze_meeting:</i> NP-15	G: U: yes	<i>MCC:</i> BOSWARTHICK, David		
	<i>history (event, available, version,</i>				
	NP-15 20/03/2002	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>
					<i>remarks - this release:</i> .

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**TS 29.415 Core network Nb interface user plane protocols**

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* NP-15  
*history (event, available, version,*  
NP-15 20/03/2002 5 . 0 . 0

*WG (prime / other):* N3 / - *rapporteur:* SANDERS, David VODAFONE Group Plc  
*G:* U: yes *MCC:* BOSWARTHICK, David

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

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**TR 29.903 Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)**

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

*WG (prime / other):* N4 / *rapporteur:* YOUNG, Michael MOTOROLA Ltd  
*G:* U: yes *MCC:* KYMALAINEN, Kimmo

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

*remarks - general:* Supersedes 29.203.  
*remarks - this release:* NP-11:creation Supersedes 29.203

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

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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:*  
*remarks - this release:* .

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

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

*WG (prime / other):* N1 / RP *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
*G:* yes U: yes *MCC:* JORGENSEN, Per Johan

*history (event, available, version,*  
NP-16 26/06/2002 5 . 0 . 0

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

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

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<b>TR 29.998-01 Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General Issues on API Mapping</b>
Rel-5 <i>current version:</i> 5.0.0 <i>WG (prime / other):</i> N5 / <i>rapporteur:</i> UNMEHOPA, Musa    Lucent Technologies Nederland B.V. <i>freeze_meeting:</i> NP-15 <i>G:</i> <i>U:</i> yes <i>MCC:</i> ZOICAS, Adrian
<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> .
<hr/>
<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-5 <i>current version:</i> 5.0.0 <i>WG (prime / other):</i> N5 / <i>rapporteur:</i> UNMEHOPA, Musa    Lucent Technologies Nederland B.V. <i>freeze_meeting:</i> NP-15 <i>G:</i> <i>U:</i> yes <i>MCC:</i> ZOICAS, Adrian
<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> .
<hr/>
<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 4:Call Control Service Mapping; Subpart 4: Multiparty Call Control SIP</b>
Rel-5 <i>current version:</i> 5.0.0 <i>WG (prime / other):</i> N5    /- <i>rapporteur:</i> UNMEHOPA, Musa Lucent Technologies Nederland B.V.
<i>freeze_meeting:</i> NP-16 <i>G:</i> <i>U:</i> yes <i>MCC:</i> ZOICAS, Adrian
<i>history (event, available, version,</i> draft 19/02/2002 0 . 2 . 1 N5-020084 <a href="#">get it</a> <i>remarks - general:</i> Evidence for existance unearthed in N5-020143. draft 22/04/2002 1 . 0 . 0 <a href="#">get it</a> <i>remarks - this release:</i> .Was originally Rel-6, but moved to Rel 5 NP-15. NP-16 31/05/2002 2 . 0 . 0 NP-020198 (RFC nos. to be <a href="#">get it</a> NP-16 20/06/2002 5 . 0 . 0 <a href="#">get it</a>
<hr/>
<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-5 <i>current version:</i> 5.0.0 <i>WG (prime / other):</i> N5 / <i>rapporteur:</i> UNMEHOPA, Musa    Lucent Technologies Nederland B.V. <i>freeze_meeting:</i> NP-15 <i>G:</i> <i>U:</i> yes <i>MCC:</i> ZOICAS, Adrian
<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> .
<hr/>
<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 2: INAP mapping</b>
Rel-5 <i>current version:</i> none <i>WG (prime / other):</i> N5 / <i>rapporteur:</i> UNMEHOPA, Musa    Lucent Technologies Nederland B.V. <i>freeze_meeting:</i> NP-16 <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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<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 3: MEGACO mapping</b>			
Rel-5 <i>current version:</i> none	<i>WG (prime / other):</i> N5 /	<i>rapporteur:</i> UNMEHOPA, Musa	Lucent Technologies Nederland B.V.
<i>freeze_meeting:</i> NP-16	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>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-5 <i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N5 /	<i>rapporteur:</i> UNMEHOPA, Musa	Lucent Technologies Nederland B.V.
<i>freeze_meeting:</i> NP-15	G:      U: yes	<i>MCC:</i> ZOICAS, Adrian	
<i>history (event, available, version,</i>			<i>remarks - general:</i>
NP-16 20/06/2002 5 . 0 . 0	<a href="#">get it</a>		<i>remarks - this release:</i> .
<hr/>			
<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-5 <i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N5 /	<i>rapporteur:</i> UNMEHOPA, Musa	Lucent Technologies Nederland B.V.
<i>freeze_meeting:</i> NP-15	G:      U: yes	<i>MCC:</i> ZOICAS, Adrian	
<i>history (event, available, version,</i>			<i>remarks - general:</i>
NP-16 20/06/2002 5 . 0 . 0	<a href="#">get it</a>		<i>remarks - this release:</i> .
<hr/>			
<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-5 <i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N5 /	<i>rapporteur:</i> UNMEHOPA, Musa	Lucent Technologies Nederland B.V.
<i>freeze_meeting:</i> NP-15	G:      U: yes	<i>MCC:</i> ZOICAS, Adrian	
<i>history (event, available, version,</i>			<i>remarks - general:</i>
NP-16 20/06/2002 5 . 0 . 0	<a href="#">get it</a>		<i>remarks - this release:</i> .

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**TR 30.002 Guidelines for the modification of the Mobile Application Part (MAP)**

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:*  
*history (event, available, version,*  
NP-18

5 . 0 . 0

*WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich SIEMENS AG  
*G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo

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

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Rel-5 **31** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/31\\_series](http://www.3gpp.org/ftp/Specs/archive/31_series)

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**TS 31.048 Test specification for security mechanisms for the (U)SIM application toolkit**

Rel-5 *current version:* none  
*freeze\_meeting:* TP-21  
*history (event, available, version,*

*WG (prime / other):* T3 / - *rapporteur:* VIALLET, Sophie GEMPLUS Card International  
*G:* yes *U:* yes *MCC:* DIETZE, Claus

*remarks - general:* Test spec for 23.048.  
*remarks - this release:*

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**TS 31.101 UICC-terminal interface; Physical and logical characteristics**

Rel-5 *current version:* 5.1.0  
*freeze\_meeting:* TP-17  
*history (event, available, version,*  
TP-17 18/09/2002 5 . 0 . 0  
TP-18 5 . 1 . 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.  
*remarks - this release:* TP-17: upgraded to Rel-5 to fill gap between Releases 4 and 6.

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**TS 31.102 Characteristics of the USIM Application**

Rel-5 *current version:* 5.3.0  
*freeze\_meeting:* TP-15  
*history (event, available, version,*  
TP-15 28/03/2002 5 . 0 . 0  
TP-16 28/06/2002 5 . 1 . 0  
TP-17 25/09/2002 5 . 2 . 0  
TP-18 5 . 3 . 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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<b>TS 31.103</b>	<b>Characteristics of the ISIM application</b>				
Rel-5	<i>current version:</i> 5.2.0		<i>WG (prime / other):</i> T3 /	<i>rapporteur:</i> ,	
	<i>freeze_meeting:</i> TP-16		<i>G:</i> yes <i>U:</i> 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 5 . 2 . 0				
<hr/>					
<b>TS 31.111</b>	<b>USIM Application Toolkit (USAT)</b>				
Rel-5	<i>current version:</i> 5.3.0		<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-15		<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> DIETZE, Claus	One
	<i>history (event, available, version,</i>				
	TP-15 28/03/2002 5 . 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-16 28/06/2002 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .	
	TP-17 18/09/2002 5 . 2 . 0		<a href="#">get it</a>		
	TP-18 5 . 3 . 0				
<hr/>					
<b>TS 31.112</b>	<b>USAT Interpreter Architecture Description; Stage 2</b>				
Rel-5	<i>current version:</i> 5.2.0		<i>WG (prime / other):</i> T3 /	<i>rapporteur:</i> ,	
	<i>freeze_meeting:</i> TP-15		<i>G:</i> <i>U:</i> yes	<i>MCC:</i> DIETZE, Claus	
	<i>history (event, available, version,</i>				
	TP-11 09/04/2001 1 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	TP-13 12/10/2001 2 . 0 . 0	TP-010207	<a href="#">get it</a>	<i>remarks - this release:</i> started life as Rel-4 draft, but ran out of time so ended up Rel-5.	
	TP-13 12/10/2001 5 . 0 . 0		<a href="#">get it</a>		
	TP-14 14/01/2002 5 . 1 . 0		<a href="#">get it</a>		
	TP-16 19/06/2002 5 . 2 . 0		<a href="#">get it</a>		

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## TS 31.113 USAT interpreter byte codes

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

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

TP-11 09/04/2001 1 . 0 . 0  
TP-13 12/10/2001 2 . 0 . 0 TP-010208  
TP-13 12/10/2001 5 . 0 . 0  
TP-14 14/01/2002 5 . 1 . 0  
TP-15 28/03/2002 5 . 2 . 0  
TP-16 19/06/2002 5 . 3 . 0  
TP-17 25/09/2002 5 . 4 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* started life as Rel-4 draft, but ran out of time so ended up Rel-5.  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 31.114 USAT interpreter protocol and administration

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

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

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

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

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## TR 31.900 SIM/USIM internal and external interworking aspects

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

*WG (prime / other):* T3 / *rapporteur:* KALINER, Stefan T-MOBILE DEUTSCHLAND  
*G:* U: yes *MCC:* DIETZE, Claus

TP-15 28/03/2002 5 . 0 . 0  
TP-16 19/06/2002 5 . 1 . 0

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

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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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<b>TS 32.101</b>	<b>Telecommunication management; Principles and high level requirements</b>								
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TRUSS, Michael	MOTOROLA Ltd					
	<i>freeze_meeting:</i> SP-15	G: U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version,</i>								
	SP-15 26/03/2002	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> .					
	SP-18	5 . 2 . 0							
<hr/>									
<b>TS 32.102</b>	<b>Telecommunication management; Architecture</b>								
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> BERGGREN, Tommy	Telia Mobile AB					
	<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>					
	SP-17 18/09/2002	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .					
	SP-18	5 . 2 . 0							
<hr/>									
<b>TS 32.111-1</b>	<b>Telecommunication management; Fault Management; Part 1: 3G fault management requirements</b>								
Rel-5	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> SCHMIDT, Joerg	Motorola Inc.					
	<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> TSG#8: split into 4 parts					
	SP-17 18/09/2002	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .					
<hr/>									
<b>TS 32.111-2</b>	<b>Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service</b>								
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> SCHMIDT, Joerg	Motorola Inc.					
	<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> TSG#8: split into 4 parts					
	SP-17 20/09/2002	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .					
	SP-18	5 . 2 . 0							
<hr/>									
<b>TS 32.111-3</b>	<b>Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1</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-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> TSG#8: split into 4 parts					
	SP-17 08/10/2002	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .					
	SP-18	5 . 2 . 0							

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<b>TS 32.111-4</b>	<b>Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set</b>								
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOVINGER, Thomas	Telefon AB LM Ericsson					
	<i>freeze_meeting:</i> SP-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> TSG#8: split into 4 parts					
	SP-16 20/06/2002	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .					
	SP-17 20/09/2002	5 . 2 . 0	<a href="#">get it</a>						
	SP-18	5 . 3 . 0							
<hr/>									
<b>TS 32.200</b>	<b>Telecommunication management; Charging management; Charging principles</b>								
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> AHLBÄCK, Hans	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 26/03/2002	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	5 . 2 . 0							
<hr/>									
<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> 5.2.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> BENDER, James	Nortel Networks (USA)					
	<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	5 . 2 . 0							
<hr/>									
<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> 5.2.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> LEHNERT, Matthias	ALCATEL S.A.					
	<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	5 . 2 . 0							

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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> 5.1.0			<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> SHARON, Ariel			Lucent Technologies Networks System GmbH	
	<i>freeze_meeting:</i> SP-17			<i>G:</i> yes <i>U:</i> 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		5	.	1	.	0		
<hr/>									
<b>TS 32.235</b>	<b>Telecommunication management; Charging management; Charging data description for application services</b>								
Rel-5	<i>current version:</i> 5.1.0			<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> GOERMER, Gerald			SIEMENS AG	
	<i>freeze_meeting:</i> SP-17			<i>G:</i> 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		5	.	1	.	0		<i>remarks - this release:</i> .
<hr/>									
<b>TS 32.300</b>	<b>Telecommunication management; Configuration Management (CM); Name convention for Managed Objects</b>								
Rel-5	<i>current version:</i> 5.0.0			<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOVINGER, Thomas			Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> SP-17			<i>G:</i> 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)
									<i>remarks - this release:</i> .
<hr/>									
<b>TS 32.301</b>	<b>Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): requirements</b>								
Rel-5	<i>current version:</i> 5.0.0			<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> SCHMIDT, Joerg			Motorola Inc.	
	<i>freeze_meeting:</i> SP-15			<i>G:</i> 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
									<i>remarks - this release:</i> .
<hr/>									
<b>TS 32.302</b>	<b>Telecommunication management; Configuration Management (CM); Notification Integration Reference Point; Information Service version 1</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			<i>G:</i> 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> .

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**TS 32.303 Telecommunication management; Configuration Management (CM); Notification Integration Reference Point; CORBA solution set version 1:1**  
Rel-5 *current version:* 5.1.1 *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:* was 32.301-3  
SP-17 18/09/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
edito post SP-17 01/10/2002 5 . 1 . 1 [get it](#)

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**TS 32.304 Telecommunication management; Configuration Management (CM); Notification Integration Reference Point; CMIP Solution Set Version 1:1**  
Rel-5 *current version:* 5.2.0 *WG (prime / other):* S5 / - *rapporteur:* ZHOU, Di SIEMENS AG  
*freeze\_meeting:* SP-15 *G:* U: yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
SP-14 11/01/2002 5 . 0 . 0 [get it](#) *remarks - general:* was 32.301-4  
SP-15 26/03/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .  
SP-16 20/06/2002 5 . 2 . 0 [get it](#)

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**TS 32.311 Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements**  
Rel-5 *current version:* 5.0.0 *WG (prime / other):* S5 / *rapporteur:* TSE, Edwin Ericsson Incorporated  
*freeze\_meeting:* SP-15 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
SP-15 26/03/2002 5 . 0 . 0 [get it](#) *remarks - general:* was 32.112-1  
*remarks - this release:* .

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**TS 32.312 Telecommunication management; Generic Integration Reference Point (IRP) management; Information service**  
Rel-5 *current version:* 5.0.0 *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:* was 32.112-2  
*remarks - this release:* .

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**TS 32.321 Telecommunication management; Test 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,*  
SP-16 17/06/2002 1 . 0 . 0 SP-020328 [get it](#) *remarks - general:*  
SP-17 06/09/2002 2 . 0 . 0 SP-020456 [get it](#) *remarks - this release:* .  
SP-17 18/09/2002 5 . 0 . 0 [get it](#)

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<b>TS 32.322</b>	<b>Telecommunication management; Test management Integration Reference Point (IRP); Information service</b>								
Rel-5	<i>current version:</i> 5.0.0			<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> POLLAKOWSKI, Olaf	SIEMENS AG			
	<i>freeze_meeting:</i> SP-17			<i>G:</i> 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>
<hr/>									
<b>TS 32.323</b>	<b>Telecommunication management; Test management Integration Reference Point (IRP); Corba solution set</b>								
Rel-5	<i>current version:</i> 5.0.0			<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TSE, Edwin	Ericsson Incorporated			
	<i>freeze_meeting:</i> SP-17			<i>G:</i> 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>
<hr/>									
<b>TS 32.324</b>	<b>Telecommunication management; Test management Integration Reference Point (IRP); 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			<i>G:</i> 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>
<hr/>									
<b>TS 32.401</b>	<b>Telecommunication management; Performance Management (PM); Concept and requirements</b>								
Rel-5	<i>current version:</i> 5.1.0			<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> HÜBINETTE, Ulf	Telefon AB LM Ericsson			
	<i>freeze_meeting:</i> SP-15			<i>G:</i> yes 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 32.104 (pars)
	SP-17	18/09/2002	5	.	1	.	0		<a href="#">get it</a> <i>remarks - this release:</i> .

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<b>TS 32.403</b>	<b>Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM</b>									
Rel-5	<i>current version:</i> 5.1.0				<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOCHE, Christian				NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting:</i> SP-15				<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version,</i>									
	SP-16	20/06/2002	5	.	0				WARNING: approved CRs 004, 005 & 006 accidentally not implemented!! (But these CRs later withdrawn.)	<a href="#">get it</a> <i>remarks - general:</i> was 32.104 (pars)
										<i>remarks - this release:</i> .
	SP-17	19/09/2002	5	.	1					<a href="#">get it</a>
<b>TS 32.600</b>	<b>Telecommunication management; Configuration Management (CM); Concept and high-level requirements</b>									
Rel-5	<i>current version:</i> 5.0.0				<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> WILBER, John				
	<i>freeze_meeting:</i> SP-17				<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version,</i>									
	SP-17	20/09/2002	5	.	0					<a href="#">get it</a> <i>remarks - general:</i> Replaces 32.106 (pars).
										<i>remarks - this release:</i> .
<b>TS 32.601</b>	<b>Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): requirements</b>									
Rel-5	<i>current version:</i> 5.0.0				<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PIRT, Trevor				MOTOROLA Ltd
	<i>freeze_meeting:</i> SP-17				<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version,</i>									
	SP-17	23/09/2002	5	.	0					<a href="#">get it</a> <i>remarks - general:</i> was 32.601-1
										<i>remarks - this release:</i> .
<b>TS 32.602</b>	<b>Telecommunication management; Configuration Management (CM); Basic Configuration Management Integration Reference Point (IRP) information service</b>									
Rel-5	<i>current version:</i> 5.0.0				<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> WILBER, John				
	<i>freeze_meeting:</i> SP-17				<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version,</i>									
	SP-17	27/09/2002	5	.	0					<a href="#">get it</a> <i>remarks - general:</i> was 32.601-2
										<i>remarks - this release:</i> .
<b>TS 32.603</b>	<b>Telecommunication management; Configuration Management (CM); Basic Configuration Management Integration Reference Point (IRP): CORBA solution set</b>									
Rel-5	<i>current version:</i> 5.0.0				<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> ZHOU, Di				SIEMENS AG
	<i>freeze_meeting:</i> SP-17				<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version,</i>									
	SP-17	27/09/2002	5	.	0					<a href="#">get it</a> <i>remarks - general:</i> was 32.601-3
										<i>remarks - this release:</i> .

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<b>TS 32.604</b>	<b>Telecommunication management; Configuration Management (CM); Basic Configuration Management Integration Reference Point (IRP) CMIP solution set</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOVINGER, Thomas	Telefon AB LM Ericsson					
	<i>freeze_meeting:</i> SP-17	<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian						
<i>history (event, available, version,</i>									
SP-18	5 . 0 . 0						<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	<i>G:</i> 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 32.602-1		
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> 5.1.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> PIRT, Trevor	MOTOROLA Ltd					
	<i>freeze_meeting:</i> SP-17	<i>G:</i> 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 32.602-2		
SP-18	5 . 1 . 0						<i>remarks - this release:</i> .		
<hr/>									
<b>TS 32.613</b>	<b>Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) solution set</b>								
Rel-5	<i>current version:</i> set	5.0.0	<i>WG (prime / other):</i> S5	<i>/rapporteur:</i> PIRT, Trevor	MOTOROLA Ltd				
	<i>freeze_meeting:</i> SP-17	<i>G:</i> 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		
							<i>remarks - this release:</i> .		
<hr/>									
<b>TS 32.614</b>	<b>Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Common Management Information Protocol (CMIP) solution set</b>								
Rel-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	<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian						
<i>history (event, available, version,</i>									
SP-18	5 . 0 . 0						<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> 5.0.1
	<i>freeze_meeting:</i> SP-16
	<i>history (event, available, version,</i>
	SP-16 21/06/2002 5 . 0 . 0
	edito after SP-17 18/09/2002 5 . 0 . 1
	<a href="#">get it</a> <i>remarks - general:</i> was 32.602-5
	<a href="#">get it</a> <i>remarks - this release:</i> .

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<b>TS 32.621</b>	<b>Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): requirements</b>
Rel-5	<i>current version:</i> 5.0.0
	<i>freeze_meeting:</i> SP-17
	<i>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> 5.0.0
	<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> <i>remarks - general:</i> was 32.620-2
	<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): CORBA solution set</b>
Rel-5	<i>current version:</i> 5.0.0
	<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> <i>remarks - general:</i> was 32.620-3
	<i>remarks - this release:</i> .

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<b>TS 32.624</b>	<b>Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP) CMIP solution set</b>
Rel-5	<i>current version:</i> 5.0.0
	<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> <i>remarks - general:</i> was 32.620-4
	<i>remarks - this release:</i> .

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**TS 32.625 Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file**  
Rel-5 *current version: format definition* 5.0.0 *WG (prime / other):* S5 */ rapporteur:* BONNEAU, Frédéric  
NORTEL NETWORKS (EUROPE) */ rapporteur:*

*freeze\_meeting:* SP-15 G: yes U: yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
SP-16 17/06/2002 1 . 0 . 0 SP-020298 pars [get it](#) *remarks - general:*  
SP-17 06/09/2002 2 . 0 . 0 SP-020460 [get it](#) *remarks - this release: .*  
SP-17 18/09/2002 5 . 0 . 0 [get it](#)

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**TS 32.631 Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): requirements**  
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 [get it](#) *remarks - general:* was 32.621-1  
*remarks - this release: .*

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**TS 32.632 Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)**  
Rel-5 *current version:* 5.1.0 *WG (prime / other):* S5 / - *rapporteur:* PAL, Tapinder T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* SP-17 G: yes U: yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
SP-17 23/09/2002 5 . 0 . 0 [get it](#) *remarks - general:* was 32.621-2  
SP-18 5 . 1 . 0 *remarks - this release: .*

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**TS 32.633 Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): CORBA solution set**  
Rel-5 *current version:* 5.1.0 *WG (prime / other):* S5 / - *rapporteur:* ZHOU, Di 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 [get it](#) *remarks - general:* was 32.621-3  
SP-18 5 . 1 . 0 *remarks - this release: .*

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**TS 32.634 Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): CMIP solution set**  
Rel-5 *current version:* 5.0.0 *WG (prime / other):* S5 / - *rapporteur:* POLLAKOWSKI, Olaf SIEMENS AG  
*freeze\_meeting:* SP-17 G: yes U: yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
SP-18 5 . 0 . 0 *remarks - general:* was 32.621-4  
*remarks - this release: .*

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<b>TS 32.635</b>	<b>Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file</b>	Rel-5	<i>current version: format definition</i>	5.0.0	<i>WG (prime / other):</i>	S5	/-	<i>rapporteur:</i>	BONNEAU, Frédéric
			<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	SP-020298	pars
			SP-17	16/09/2002	2	0	0	SP-020461	
			SP-17	18/09/2002	5	0	0		
					<a href="#">get it</a>			<i>remarks - general:</i>	RP-15: existence gleaned from S5 report.
					<a href="#">get it</a>			<i>remarks - this release:</i>	.
					<a href="#">get it</a>				
<b>TS 32.641</b>	<b>Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): requirements</b>	Rel-5	<i>current version: 5.0.0</i>		<i>WG (prime / other):</i>	S5	/-	<i>rapporteur:</i>	PIRT, Trevor
			<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 32.622-1
								<i>remarks - this release:</i>	.
<b>TS 32.642</b>	<b>Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)</b>	Rel-5	<i>current version: 5.1.0</i>		<i>WG (prime / other):</i>	S5	/-	<i>rapporteur:</i>	PETERSEN, Robert
			<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		
			SP-18		5	1	0		
					<a href="#">get it</a>			<i>remarks - general:</i>	was 32.622-2
								<i>remarks - this release:</i>	.
<b>TS 32.643</b>	<b>Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): CORBA solution set</b>	Rel-5	<i>current version: 5.0.0</i>		<i>WG (prime / other):</i>	S5	/-	<i>rapporteur:</i>	ZHOU, Di
			<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 32.622-3
								<i>remarks - this release:</i>	.
<b>TS 32.644</b>	<b>Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): CMIP solution set</b>	Rel-5	<i>current version: 5.0.0</i>		<i>WG (prime / other):</i>	S5	/-	<i>rapporteur:</i>	POLLAKOWSKI, Olaf
			<i>freeze_meeting:</i>	SP-17	G:	U: yes		MCC:	ZOICAS, Adrian
			<i>history (event, available, version,</i>						
			SP-18		5	0	0		
								<i>remarks - general:</i>	was 32.622-4
								<i>remarks - this release:</i>	.

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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>	Rel-5	<i>current version: format definition</i>	5.0.0	<i>WG (prime / other):</i>	S5	<i>/ rapporteur:</i>	BONNEAU, Frédéric
			<i>freeze_meeting: SP-16</i>		<i>G:</i>		<i>U: yes</i>	<i>MCC: ZOICAS, Adrian</i>
			<i>history (event, available, version,</i>					
			SP-16 17/06/2002 1 . 0 . 0	SP-020298 pars			<a href="#">get it</a>	<i>remarks - general:</i>
			SP-17 16/09/2002 2 . 0 . 0	SP-020462			<a href="#">get it</a>	<i>remarks - this release: .</i>
			SP-17 18/09/2002 5 . 0 . 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-5	<i>current version: 5.0.0</i>		<i>WG (prime / other):</i>	S5 / -	<i>rapporteur:</i>	PIRT, Trevor MOTOROLA Ltd
			<i>freeze_meeting: SP-17</i>		<i>G: yes U:</i>		<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: was 32.623-1</i>
								<i>remarks - this release: .</i>
<hr/>								
<b>TS 32.652</b>	<b>Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)</b>	Rel-5	<i>current version: 5.0.0</i>		<i>WG (prime / other):</i>	S5 / -	<i>rapporteur:</i>	PETERSEN, Robert Ericsson AB
			<i>freeze_meeting: SP-17</i>		<i>G: yes U:</i>		<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: was 32.623-2</i>
								<i>remarks - this release: .</i>
<hr/>								
<b>TS 32.653</b>	<b>Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): CORBA solution set</b>	Rel-5	<i>current version: 5.0.0</i>		<i>WG (prime / other):</i>	S5 / -	<i>rapporteur:</i>	ZHOU, Di SIEMENS AG
			<i>freeze_meeting: SP-17</i>		<i>G: yes U:</i>		<i>MCC:</i>	ZOICAS, Adrian
			<i>history (event, available, version,</i>					
			SP-17 08/10/2002 5 . 0 . 0				<a href="#">get it</a>	<i>remarks - general: was 32.623-3</i>
								<i>remarks - this release: .</i>
<hr/>								
<b>TS 32.654</b>	<b>Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): CMIP solution set</b>	Rel-5	<i>current version: 5.0.0</i>		<i>WG (prime / other):</i>	S5 / -	<i>rapporteur:</i>	POLLAKOWSKI, Olaf SIEMENS AG
			<i>freeze_meeting: SP-17</i>		<i>G: yes U:</i>		<i>MCC:</i>	ZOICAS, Adrian
			<i>history (event, available, version,</i>					
			SP-18 5 . 0 . 0					<i>remarks - general: was 32.623-4</i>
								<i>remarks - this release: .</i>

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<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>	5.0.0		<i>WG (prime / other):</i>	S5		<i>/ rapporteur:</i>	BONNEAU, Frédéric	
	NORTEL NETWORKS (EUROPE)								
	<i>freeze_meeting:</i>	SP-16		<i>G: yes</i>	<i>U: yes</i>		<i>MCC:</i>	ZOICAS, Adrian	
	<i>history (event, available, version,</i>								
	SP-16	17/06/2002	1 . 0 . 0			SP-020298	pars	<a href="#">get it</a>	<i>remarks - general:</i>
	SP-17	16/09/2002	2 . 0 . 0			SP-020463		<a href="#">get it</a>	<i>remarks - this release:</i>
	SP-17	18/09/2002	5 . 0 . 0					<a href="#">get it</a>	

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<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>	WILBER, John	
	<i>freeze_meeting:</i>	SP-17		<i>G:</i>	<i>U: yes</i>		<i>MCC:</i>	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			SP-020034	pars	<a href="#">get it</a>	<i>remarks - this release: .</i>
	SP-17	16/09/2002	2 . 0 . 0			SP-020464		<a href="#">get it</a>	
	SP-17	18/09/2002	5 . 0 . 0					<a href="#">get it</a>	
	SP-18		5 . 1 . 0						

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<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>	WILBER, John	
	<i>freeze_meeting:</i>	SP-18		<i>G:</i>	<i>U: yes</i>		<i>MCC:</i>	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			SP-020034	pars	<a href="#">get it</a>	<i>remarks - this release: .</i>
	SP-17	16/09/2002	2 . 0 . 0			SP-020465		<a href="#">get it</a>	
	SP-17	18/09/2002	5 . 0 . 0					<a href="#">get it</a>	

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<b>TS 32.663</b>	<b>Telecommunication management; Configuration Management (CM); Kernel CM CORBA solution set</b>								
Rel-5	<i>current version: 5.0.0</i>			<i>WG (prime / other):</i>	S5 /		<i>rapporteur:</i>	PAL, Tapinder	T-MOBILE DEUTSCHLAND
	<i>freeze_meeting:</i>	SP-17		<i>G:</i>	<i>U: yes</i>		<i>MCC:</i>	ZOICAS, Adrian	
	<i>history (event, available, version,</i>								
	SP-17	16/09/2002	1 . 0 . 0			SP-020466		<a href="#">get it</a>	<i>remarks - general:</i>
	SP-17	18/09/2002	5 . 0 . 0					<a href="#">get it</a>	<i>remarks - this release: SP-15: will not exist in Rel-5. SP-17 Oh yes it will!</i>

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<b>TS 32.664</b>	<b>Telecommunication management; Configuration Management (CM); Kernel CM 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-18		<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian					
	<i>history (event, available, version,</i>								
	SP-17 16/09/2002	1 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-18	2 . 0 . 0			<i>remarks - this release:</i> SP-15: will not exist in Rel-5. SP-17: Yes it will!				
	SP-18	5 . 0 . 0							
<hr/>									
<b>TS 32.671</b>	<b>Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Requirements</b>								
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> ZHOU, Di	SIEMENS AG				
	<i>freeze_meeting:</i> SP-15		<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian					
	<i>history (event, available, version,</i>								
	draft 17/01/2002	0 . 1 . 2		<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-16 17/06/2002	1 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .				
	SP-17 19/07/2002	2 . 0 . 0		<a href="#">get it</a>					
	SP-17 18/09/2002	5 . 0 . 0		<a href="#">get it</a>					
<hr/>									
<b>TS 32.672</b>	<b>Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Information service</b>								
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> ZHOU, Di	SIEMENS AG				
	<i>freeze_meeting:</i> SP-15		<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian					
	<i>history (event, available, version,</i>								
	draft 19/07/2002	0 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	draft 17/01/2002	0 . 1 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> .				
	SP-16 17/06/2002	1 . 0 . 0		<a href="#">get it</a>					
	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>					
<hr/>									
<b>TS 32.673</b>	<b>Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): CORBA Solution set</b>								
Rel-5	<i>current version:</i> 5.0.0		<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> ZHOU, Di	SIEMENS AG				
	<i>freeze_meeting:</i> SP-15		<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian					
	<i>history (event, available, version,</i>								
	SP-17 16/09/2002	1 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	SP-17 18/09/2002	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .				

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<b>TS 32.674</b>	<b>Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): CMIP Solution set</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> ZHOU, Di	SIEMENS AG	
	<i>freeze_meeting:</i> SP-15	<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>				
	draft 17/01/2002	0 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	draft 19/07/2002	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-020471
	SP-17 18/09/2002	5 . 0 . 0	<a href="#">get it</a>		
<hr/>					
<b>TS 32.691</b>	<b>Telecommunication management; Inventory management network resources Integration Reference Point (IRP): Requirements</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> PAL, Tapinder	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> SP-17	<i>G:</i> yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>				
	SP-17 30/08/2002	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	SP-020472
	SP-17 18/09/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .	
<hr/>					
<b>TS 32.692</b>	<b>Telecommunication management; Inventory management network resources Integration Reference Point (IRP): Network resource model</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> PAL, Tapinder	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> SP-17	<i>G:</i> yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>				
	SP-17 30/08/2002	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	SP-020473
	SP-17 18/09/2002	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .	
<hr/>					
<b>TR 32.800</b>	<b>Telecommunication management; Management level procedures and interaction with UTRAN</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> BODEN, Bert	Vodafone D2 GmbH	
	<i>freeze_meeting:</i> SP-15	<i>G:</i> 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>	
				<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>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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Rel-5 **33** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/33\\_series](http://www.3gpp.org/ftp/Specs/archive/33_series)

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<b>TS 33.102</b>	<b>3G security; Security architecture</b>								
Rel-5	<i>current version:</i> 5.1.0			<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		5 . 1 . 0			<i>remarks - this release:</i> .			

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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 acces; U = required in systems with UMTS

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<b>TS 33.107</b>	<b>3G security; Lawful interception architecture and functions</b>									
Rel-5	current version: 5.5.0	WG (prime / other):	S3 / -	rapporteur:	WILHELM, Berthold	BUNDESMINISTERIUM FUR WIRTSCHAFT				
	freeze_meeting: SP-15	G:	U: yes	MCC:	POPE, Maurice					
	history (event, available, version,									
	SP-12 04/07/2001	5	. 0	.	0					
	SP-14 07/01/2002	5	. 1	.	0				<a href="#">get it</a>	remarks - general:
	SP-15 26/03/2002	5	. 2	.	0				<a href="#">get it</a>	remarks - this release: .
edito post	SP-15 15/04/2002	5	. 2	.	1	Corrects change history.			<a href="#">get it</a>	
	SP-16 19/06/2002	5	. 3	.	0				<a href="#">get it</a>	
	SP-17 18/09/2002	5	. 4	.	0				<a href="#">get it</a>	
	SP-18	5	. 5	.	0					
<b>TS 33.108</b>	<b>3G security; Handover interface for Lawful Interception (LI)</b>									
Rel-5	current version: 5.2.0	WG (prime / other):	S3 /	rapporteur:	WILHELM, Berthold	BUNDESMINISTERIUM FUR WIRTSCHAFT				
	freeze_meeting: SP-16	G:	U: yes	MCC:	POPE, Maurice					
	history (event, available, version,									
	SP-15 19/03/2002	1	. 0	.	0	SP-020118			<a href="#">get it</a>	remarks - general: 2001-12-04 Title changed from "Lawful Interception; Interface between core
	SP-16	2	. 0	.	0	SP-020357			<a href="#">get it</a>	remarks - this release: . network and law agency equipment" (Berthold.Wilhelm@RegTP.de).
	SP-16 19/06/2002	5	. 0	.	0				<a href="#">get it</a>	
	SP-17 23/09/2002	5	. 1	.	0				<a href="#">get it</a>	
	SP-18	5	. 2	.	0					
<b>TS 33.200</b>	<b>3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security</b>									
Rel-5	current version: 5.1.0	WG (prime / other):	S3 / -	rapporteur:	ESCOTT, Adrian	Hutchison 3G UK Limited				
	freeze_meeting: SP-15	G:	U: yes	MCC:	POPE, Maurice					
	history (event, available, version,									
	SP-15 26/03/2002	5	. 0	.	0				<a href="#">get it</a>	remarks - general: 2001-05-24: title grows MAP; see 33.210 for IP equivalent.
	SP-18	5	. 1	.	0					remarks - this release: .
<b>TS 33.201</b>	<b>Access domain security</b>									
Rel-5	current version: none	WG (prime / other):	S3 /	rapporteur:	POPE, Maurice	ETSI Secretariat				
	freeze_meeting: SP-15	G:	U: yes	MCC:	POPE, Maurice					
	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/33\\_series](http://www.3gpp.org/ftp/Specs/archive/33_series)

## TS 33.203 3G security; Access security for IP-based services

Rel-5 *current version:* 5.4.0 *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 5 . 4 . 0

## TS 33.210 3G security; Network Domain Security (NDS); IP network layer security

Rel-5 *current version:* 5.2.0 *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 5 . 2 . 0

## 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:* .

## TR 33.903 Access Security for IP based services

Rel-5 *current version:* none *WG (prime / other):* S3 / - *rapporteur:* VACANT, /  
*freeze\_meeting:* *G: U: yes* *MCC:* POPE, Maurice  
*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/33\\_series](http://www.3gpp.org/ftp/Specs/archive/33_series)

Rel-5 34 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/34\\_series](http://www.3gpp.org/ftp/Specs/archive/34_series)

## TS 34.109 Terminal logical test interface; Special conformance testing functions

Rel-5 *current version:* 5.2.0 *WG (prime / other):* R2 / T1 *rapporteur:* BERGGREN, Anders Ericsson Incorporated  
*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:* TSG#7: Will be transferred to RAN2 after approval. TSG#8:txfer is delayed.  
RP-16 17/06/2002 5 . 1 . 0 [get it](#) *remarks - this release:* . TSG#9: Stable, so txfered from T1 to R2.  
RP-18 5 . 2 . 0

## TS 34.123-1 User Equipment (UE) conformance specification; Part 1: Protocol conformance specification

Rel-5 *current version:* 5.2.0 *WG (prime / other):* T1 / - *rapporteur:* SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* TP-16 *G:* *U:* yes *MCC:* SALMERON, Lidia

*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 [get it](#) There were two annexes C!  
TP-18 5 . 2 . 0

## TS 34.123-2 User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification

Rel-5 *current version:* 5.2.0 *WG (prime / other):* T1 / - *rapporteur:* HU, Shicheng ETSI Secretariat  
*freeze\_meeting:* TP-16 *G:* *U:* yes *MCC:* SALMERON, Lidia

*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 5 . 2 . 0

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



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Server ACTIVE specs Rel-5 34 .- series  
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**TS 34.124 Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment**

Rel-5 *current version:* 5.2.0 *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 5 . 2 . 0

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**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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Rel-5 **35** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/35\\_series](http://www.3gpp.org/ftp/Specs/archive/35_series)

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**TS 35.201 Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* S3 / - *rapporteur:* WALKER, Michael VODAFONE Group Plc  
*freeze\_meeting:* SP-15 *G:* U: yes *MCC:* POPE, Maurice  
*history (event, available, version,*  
SP-16 24/06/2002 5 . 0 . 0 [get it](#) *remarks - general:* ex SAGE; supplied by ET SI under licence  
*remarks - this release:* .

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**TS 35.202 Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* S3 / - *rapporteur:* WALKER, Michael VODAFONE Group Plc  
*freeze\_meeting:* SP-15 *G:* U: yes *MCC:* POPE, Maurice  
*history (event, available, version,*  
SP-16 24/06/2002 5 . 0 . 0 [get it](#) *remarks - general:* ex SAGE; supplied by ETSI under licence  
*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 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	WG (prime / other):	S3 / -	<i>rapporteur:</i>	WALKER, Michael	VODAFONE Group Plc			
	<i>freeze_meeting:</i> SP-15	G:	U: yes	<i>MCC:</i>	POPE, Maurice				
	<i>history (event, available, version,</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	WG (prime / other):	S3 / -	<i>rapporteur:</i>	WALKER, Michael	VODAFONE Group Plc			
	<i>freeze_meeting:</i> SP-15	G:	U: yes	<i>MCC:</i>	POPE, Maurice				
	<i>history (event, available, version,</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 35.205</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	<i>current version:</i> <b>Document 1: General</b>	5.0.0	WG (prime / other):	S3	/-	<i>rapporteur:</i>	WALKER, Michael		
	VODAFONE Group Plc								
	<i>freeze_meeting:</i> SP-15	G:	U: yes	<i>MCC:</i>	POPE, Maurice				
	<i>history (event, available, version,</i>								
	SP-16 24/06/2002 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> ex SAGE. 2002-06: clarified that deliverable is TS not TR.				
					<i>remarks - this release:</i> .				
<hr/>									
<b>TS 35.206</b>	<b>3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*;</b>								
Rel-5	<i>current version:</i> <b>Document 2: Algorithm specification</b>	5.0.0	WG (prime / other):	S3	/-	<i>rapporteur:</i>	WALKER, Michael		
	VODAFONE Group Plc								
	<i>freeze_meeting:</i> SP-15	G:	U: yes	<i>MCC:</i>	POPE, Maurice				
	<i>history (event, available, version,</i>								
	SP-16 24/06/2002 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> ex SAGE				
					<i>remarks - this release:</i> .				
<hr/>									
<b>TS 35.207</b>	<b>3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*;</b>								
Rel-5	<i>current version:</i> <b>Document 3: Implementors' test data</b>	5.0.0	WG (prime / other):	S3	/-	<i>rapporteur:</i>	WALKER, Michael		
	VODAFONE Group Plc								
	<i>freeze_meeting:</i> SP-15	G:	U: yes	<i>MCC:</i>	POPE, Maurice				
	<i>history (event, available, version,</i>								
	SP-16 24/06/2002 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> ex SAGE				
					<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 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-5 *current version: Document 4: Design conformance test data* 5.0.0 *WG (prime / other):* S3 /- *rporteur:* WALKER, Michael  
VODAFONE Group Plc

*freeze\_meeting:* SP-15 G: U: yes *MCC:* POPE, Maurice  
*history (event, available, version,*  
SP-16 24/06/2002 5 . 0 . 0 [get it](#) *remarks - general:* ex SAGE  
*remarks - this release:* .

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**TR 35.909 3G Security; Specification of the MILENAGE algorithm set: an example algorithm set for the 3GPP authentication and key generation functions f1, f1\*, f2, f3, f4, f5 and f5\*;**  
Rel-5 *current version: Document 5: Summary and results of design and evaluation* 5.0.0 *WG (prime / other):* S3 /- *rporteur:* WALKER, Michael  
VODAFONE Group Plc

*freeze\_meeting:* SP-15 G: U: yes *MCC:* POPE, Maurice  
*history (event, available, version,*  
SP-16 24/06/2002 5 . 0 . 0 [get it](#) *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 /- *rporteur:* WRIGHT, Tim Indicate persons who left Company and wait for new  
*freeze\_meeting:* SP-15 One  
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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**TR 41.033 Lawful Interception requirements for GSM**  
Rel-5 *current version: 5.0.0* *WG (prime / other):* S3 /- *rporteur:* 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:* .

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)

## TS 41.103 GSM Release 5 specifications

Rel-5 *current version:* 5.2.0  
*freeze\_meeting:* SP-16  
*history (event, available, version,*

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

SP-12		0	.	0	.	0	SP-010278
SP-12	05/07/2001	0	.	1	.	0	SP-010384
SP-13	01/10/2001	1	.	0	.	0	SP-010421
SP-15	19/03/2002	1	.	1	.	0	SP-020098
SP-15	19/03/2002	1	.	2	.	0	SP-020203
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	
SP-17	18/09/2002	5	.	1	.	0	
SP-18		5	.	2	.	0	

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

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[get it](#)

Rel-5 42 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/42\\_series](http://www.3gpp.org/ftp/Specs/archive/42_series)

## TS 42.019 Subscriber Identity Module Application Programming Interface (SIM API); Stage 1

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

*WG (prime / other):* T3 / - *rapporteur:* DIETRICH, Christian SchlumbergerSema - Schlumberger Systèmes S.A  
*G: yes U:* *MCC:* DIETZE, Claus

TP-12 06/07/2001 5 . 0 . 0

[get it](#) *remarks - general:* TP-17: From Rel-6, transferred to ETSI TS 102 240.  
*remarks - this release:* .

## TS 42.033 Lawful Interception; Stage 1

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

*WG (prime / other):* S3 / *rapporteur:* MCKIBBEN, Bernie MOTOROLA GmbH  
*G: yes U:* *MCC:* POPE, Maurice

SP-16 24/06/2002 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 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 42.043</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	<i>G: yes U:</i>	<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	<i>G: yes U:</i>	<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	<i>G: yes U:</i>	<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>						
	correct title line 22/10/2002 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .						
<hr/>									
<b>TS 42.069</b>	<b>Voice Broadcast Service (VBS); Stage 1</b>								
Rel-5	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> GILES, Les	Union Internationale des Chemins de Fer					
	<i>freeze_meeting:</i> SP-16	<i>G: yes U:</i>	<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>						
	post SP-16 edito 29/07/2002 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .						
	to history box								

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

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<b>TR 43.005</b>	<b>Technical performance objectives</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> NP / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat		
	<i>freeze_meeting:</i> NP-15	<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version,</i>					
	NP-16 04/07/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			
<hr/>						
<b>TS 43.010</b>	<b>GSM Public Land Mobile Network (PLMN) connection types</b>					
Rel-5	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat		
	<i>freeze_meeting:</i> NP-15	<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>			
	NP-17 17/09/2002 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	NP-18 5 . 2 . 0					
<hr/>						
<b>TS 43.013</b>	<b>Discontinuous Reception (DRX) in the GSM system</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> USAI, Paolino	Telecom Italia Lab S.p.A.		
	<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>			
			<i>remarks - this release:</i> .			
<hr/>						
<b>TS 43.019</b>	<b>Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2</b>					
Rel-5	<i>current version:</i> 5.5.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> DIETRICH, Christian	SchlumbergerSema - Schlumberger Systèmes S.A		
	<i>freeze_meeting:</i> TP-15	<i>G: yes U:</i>	<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 5 . 5 . 0					

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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>history (event, available, version,</i>		<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice					
	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		<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> Moved from SMG3 Jan 2000.					
	GP-11 19/09/2002 5 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .					
<hr/>									
<b>TR 43.026</b>	<b>Multiband operation of GSM / DCS 1800 by a single operator</b>								
Rel-5	<i>current version:</i> 5.0.1		<i>WG (prime / other):</i> G1 / NP	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S				
	<i>freeze_meeting:</i> GP-10		<i>G: yes U:</i>	Peter Skov					
	<i>history (event, available, version,</i>			<i>MCC:</i> USAI, Paolino					
	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								
<hr/>									
<b>TR 43.030</b>	<b>Radio network planning aspects</b>								
Rel-5	<i>current version:</i> 5.1.0		<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> TEGTH, Ulf	TELIA 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 Lab 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>	
<hr/>									
<b>TS 43.051</b>	<b>GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2</b>								
Rel-5	<i>current version:</i> 5.8.0		<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> SÉBIRE, Guillaume	NOKIA Corporation				
	<i>freeze_meeting:</i> GP-09		<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino					
	<i>history (event, available, version,</i>								
	GP-03 15/02/2001 5 . 0 . 0						<a href="#">get it</a>	<i>remarks - general:</i>	Originally created as 03.51r00
	GP-04 20/04/2001 5 . 1 . 0						<a href="#">get it</a>	<i>remarks - this release:</i>	
	GP-05 28/06/2001 5 . 2 . 0						<a href="#">get it</a>		
	GP-06 01/10/2001 5 . 3 . 0						<a href="#">get it</a>		
	GP-07 04/01/2002 5 . 4 . 0						<a href="#">get it</a>		
	GP-08 19/02/2002 5 . 5 . 0						<a href="#">get it</a>		
	GP-09 06/05/2002 5 . 6 . 0						<a href="#">get it</a>		
	GP-11 19/09/2002 5 . 7 . 0						<a href="#">get it</a>		
	GP-12 5 . 8 . 0								

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<b>TS 43.052</b>	<b>Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> GIRAUD, Alexis	ALCATEL S.A.					
	<i>freeze_meeting:</i> GP-10	G: yes U:	MCC: 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>						
			<i>remarks - this release:</i> .						
<hr/>									
<b>TS 43.055</b>	<b>Dual Transfer Mode (DTM); Stage 2</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> G1 / G2	<i>rapporteur:</i> CARRIZO MARTINEZ, Jose Luis	VODAFONE Group Plc					
	<i>freeze_meeting:</i> GP-10	G: yes U:	MCC: 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>						
			<i>remarks - this release:</i> .						
<hr/>									
<b>TR 43.058</b>	<b>Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> MONFORT, Jean-Yves	France Telecom					
	<i>freeze_meeting:</i> SP-16	G: yes U:	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> .						
<hr/>									
<b>TS 43.059</b>	<b>Functional stage 2 description of Location Services (LCS) in GERAN</b>								
Rel-5	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> LIVINGSTON, Margaret	NOKIA Corporation					
	<i>freeze_meeting:</i> GP-09	G: yes U:	MCC: USAI, Paolino						
	<i>history (event, available, version,</i>								
	GP-06 01/10/2001 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>						
	GP-07 04/01/2002 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>							
<hr/>									
<b>TS 43.064</b>	<b>Overall description of the GPRS radio interface; Stage 2</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> LEPPISAARI, Arto	NOKIA Corporation					
	<i>freeze_meeting:</i> GP-09	G: yes U:	MCC: USAI, Paolino						
	<i>history (event, available, version,</i>								
	GP-09 06/05/2002 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>						
			<i>remarks - this release:</i> .						

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<b>TS 43.068</b>	<b>Voice Group Call Service (VGCS); Stage 2</b>								
Rel-5	<i>current version:</i> 5.2.0			<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		
post	NP-16 edito	28/06/2002	5	.	0	.	1	<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		5	.	2	.	0	<a href="#">get it</a>	
<hr/>									
<b>TS 43.069</b>	<b>Voice Broadcast service (VBS); Stage 2</b>								
Rel-5	<i>current version:</i> 5.2.0			<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	28/06/2002	5	.	0	.	1	<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		5	.	2	.	0		
<hr/>									
<b>TS 43.073</b>	<b>Support of Localised Service Area (SoLSA); Stage 2</b>								
Rel-5	<i>current version:</i> 5.0.0			<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	SONERA Corporation			
	<i>freeze_meeting:</i> SP-16			<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo				
	<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: derived from 23.073 on reversion to GERAN-only service.
									<i>remarks - this release:</i> .
<hr/>									
<b>TS 43.130</b>	<b>Iur-g interface; Stage 2</b>								
Rel-5	<i>current version:</i> 5.0.0			<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> CARRIZO MARTINEZ,	VODAFONE Group Plc			
	<i>freeze_meeting:</i> GP-11			<i>G: yes U:</i>	Jose Luis				
	<i>history (event, available, version,</i>				USAI, Paolino				
	GP-11	16/09/2002	5	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i> Created identical to last version of 43.930. Also moved from G2 to G1.
									<i>remarks - this release:</i> .
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**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,*

*WG (prime / other):* G1 / *rapporteur:* GUARINO, Bernard AT&T Wireless Services, Inc.  
*G: yes U:* *MCC:* USAI, Paolino

*remarks - general:* 2002-09-03: Transferred from G2 to G1.  
*remarks - this release:* .

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Rel-5 **44** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/44\\_series](http://www.3gpp.org/ftp/Specs/archive/44_series)

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**TS 44.001 Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles**

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

*WG (prime / other):* N1 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
*G: yes U:* *MCC:* JORGENSEN, Per Johan

*history (event, available, version,*  
NP-16 20/06/2002 5 . 0 . 0

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

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

Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* GP-11

*WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
*G: yes U:* *MCC:* THOMASEN, Gert

*history (event, available, version,*  
GP-11 27/09/2002 5 . 0 . 0

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

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**TS 44.004 Layer 1 - General Requirements**

Rel-5 *current version:* 5.2.0  
*freeze\_meeting:* GP-09

*WG (prime / other):* G2 / - *rapporteur:* ISAACS, Ken SIEMENS AG  
*G: yes U:* *MCC:* THOMASEN, Gert

*history (event, available, version,*  
GP-06 15/11/2001 5 . 0 . 0  
GP-07 08/01/2002 5 . 1 . 0  
GP-09 06/05/2002 5 . 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-5	<i>current version:</i> 5.0.0 <i>freeze_meeting:</i> GP-11	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov	MOTOROLA A/S		
	<i>history (event, available, version,</i> GP-11 27/09/2002 5 . 0 . 0	G: yes U:	<i>MCC:</i> THOMASEN, Gert			
		<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .			
<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>freeze_meeting:</i> GP-11	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov	MOTOROLA A/S		
	<i>history (event, available, version,</i> GP-11 27/09/2002 5 . 0 . 0	G: yes U:	<i>MCC:</i> THOMASEN, Gert			
		<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .			
<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> 5.0.0 <i>freeze_meeting:</i> GP-11	<i>WG (prime / other):</i> G2 / N2	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov	MOTOROLA A/S		
	<i>history (event, available, version,</i> GP-11 27/09/2002 5 . 0 . 0	G: yes U:	<i>MCC:</i> THOMASEN, Gert			
		<a href="#">get it</a>	<i>remarks - general:</i> Rel-4 onwards. (Rel-99 was 24.012) <i>remarks - this release:</i> .			
<b>TS 44.013</b>	<b>Performance Requirements on Mobile Radio Interface</b>					
Rel-5	<i>current version:</i> 5.0.0 <i>freeze_meeting:</i> NP-15	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> PUDNEY, Chris JORGENSEN, Per Johan	VODAFONE Group Plc		
	<i>history (event, available, version,</i> NP-16 20/06/2002 5 . 0 . 0	G: yes U:	<i>MCC:</i>			
		<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .			
<b>TS 44.014</b>	<b>Individual equipment type requirements and interworking; Special conformance testing functions</b>					
Rel-5	<i>current version:</i> 5.0.0 <i>freeze_meeting:</i> GP-11	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> HOWELL, Andrew THOMASEN, Gert	MOTOROLA Ltd		
	<i>history (event, available, version,</i> GP-11 27/09/2002 5 . 0 . 0	G: yes U:	<i>MCC:</i>			
		<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .			

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## TS 44.018 Mobile radio interface layer 3 specification; Radio Resource Control Protocol

Rel-5 *current version:* 5.8.0 *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	<a href="#">get it</a> <i>remarks - general:</i>
GP-05	18/06/2001	5	.	1	.	0	<a href="#">get it</a> <i>remarks - this release: .</i>
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	02/05/2002	5	.	5	.	0	<a href="#">get it</a>
GP-10	19/07/2002	5	.	6	.	0	<a href="#">get it</a>
GP-11	16/09/2002	5	.	7	.	0	<a href="#">get it</a>
GP-12		5	.	8	.	0	

## 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	<a href="#">get it</a> <i>remarks - general:</i>
post NP-17 - replace illegible figures	02/10/2002	5	.	0	.	1	<a href="#">get it</a> <i>remarks - this release: .</i>
NP-17	18/09/2002	5	.	1	.	0	<a href="#">get it</a>
post NP-17 - replace illegible figures	02/10/2002	5	.	1	.	1	<a href="#">get it</a>
NP-18		5	.	2	.	0	

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

Rel-5 *current version:* 5.5.0 *WG (prime / other):* G2 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*freeze\_meeting:* GP-09 *G: yes U:* *MCC:* THOMASEN, Gert

*history (event, available, version,*

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>

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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> 5.0.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)	
	<i>freeze_meeting:</i> GP-11	<i>G: yes 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>	.
<hr/>					
<b>TS 44.056</b>	<b>GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> HUPPERICH, Peter	ALCATEL Kommunikations-Elektronik GmbH	
	<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 20/06/2002 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
				<i>remarks - this release:</i>	.
<hr/>					
<b>TS 44.057</b>	<b>GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification</b>				
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> HUPPERICH, Peter	ALCATEL Kommunikations-Elektronik GmbH	
	<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 20/06/2002 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
				<i>remarks - this release:</i>	.
<hr/>					
<b>TS 44.060</b>	<b>General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol</b>				
Rel-5	<i>current version:</i> 5.4.0	<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 5 . 4 . 0				
<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> SALKINTZIS, Apostolis	MOTOROLA GmbH	
	<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>	.

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<b>TS 44.065</b>	<b>Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)</b>								
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> SALKINTZIS, Apostolis	MOTOROLA GmbH					
	<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	Correct faulty styles / clause				<a href="#">get it</a>	<i>remarks - this release:</i> .		
<hr/>									
<b>TS 44.069</b>	<b>Broadcast Call Control (BCC) protocol</b>								
Rel-5	<i>current version:</i> 5.0.0	<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>		
							<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> 5.0.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S					
	<i>freeze_meeting:</i> GP-11	<i>G: yes U:</i>	<i>MCC:</i> Peter Skov 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 44.118</b>	<b>Mobile radio interface layer 3 specification, Radio Resource Control (RRC) protocol lu mode</b>				
Rel-5	current version: 5.2.0	WG (prime / other): G2 /	rapporteur: VIRTEJ, Iuliana	NOKIA Corporation	
	freeze_meeting: GP-09	G: yes U:	MCC: THOMASEN, Gert		
	history (event, available, version,				
	GP-08 20/03/2002 1 . 1 . 0	GP-020289	<a href="#">get it</a>	remarks - general:	
	draft 26/03/2002 1 . 2 . 0		<a href="#">get it</a>	remarks - this release: .	
	GP-08 27/03/2002 1 . 3 . 0	GP-02794	<a href="#">get it</a>		
	draft 07/05/2002 1 . 4 . 0		<a href="#">get it</a>		
	GP-10 19/07/2002 5 . 0 . 0		<a href="#">get it</a>		
	GP-11 19/09/2002 5 . 1 . 0		<a href="#">get it</a>		
	GP-12 5 . 2 . 0				

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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	current version: 5.2.0	WG (prime / other): G2 /	rapporteur: THOMASEN, Gert		
	freeze_meeting: GP-09	G: yes U:	MCC:		
	history (event, available, version,				
	GP-09 22/04/2002 0 . 2 . 0	GP-020803	<a href="#">get it</a>	remarks - general: Created GP-08; see GP-020483. 2002-07-18: G1->G2.	
	GP-10 19/07/2002 5 . 0 . 0		<a href="#">get it</a>	remarks - this release: .	
	GP-11 19/09/2002 5 . 1 . 0		<a href="#">get it</a>		
	GP-12 5 . 2 . 0				

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<b>TR 44.901</b>	<b>External network assisted cell change (NACC)</b>				
Rel-5	current version: 5.1.0	WG (prime / other): G2 / -	rapporteur: BACKLUND, Ingemar	Telefon AB LM Ericsson	
	freeze_meeting: GP-09	G: yes U:	MCC: THOMASEN, Gert		
	history (event, available, version,				
	GP-06bis 0 . 4 . 0			remarks - general:	
	GP-08 04/04/2002 0 . 7 . 0	GP-020220	<a href="#">get it</a>	remarks - this release: .	
	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:* 5.5.0  
*freeze\_meeting:* GP-09  
*history (event, available, version,*

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		5	.	5	.	0

*WG (prime / other):* G1 / - *rapporteur:* JOKINEN, Harri  
*G: yes U:* *MCC:* USAI, Paolino

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[get it](#) *remarks - this release:*  
[get it](#)  
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**TS 45.002 Multiplexing and Multiple Access on the Radio Path**

Rel-5 *current version:* 5.7.0  
*freeze\_meeting:* GP-09  
*history (event, available, version,*

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		5	.	7	.	0

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

NOKIA Corporation

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

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**TS 45.003 Channel coding**

Rel-5 *current version:* 5.6.0  
*freeze\_meeting:* GP-09  
*history (event, available, version,*

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

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

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[get it](#) *remarks - this release:*  
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<b>TS 45.004</b>	<b>Modulation</b>								
Rel-5	<i>current version:</i> 5.1.0								
	<i>freeze_meeting:</i> GP-09								
	<i>history (event, available, version,</i>								
	GP-07 04/01/2002	5	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
	GP-10 19/07/2002	5	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> .
<hr/>									
<b>TS 45.005</b>	<b>Radio transmission and reception</b>								
Rel-5	<i>current version:</i> 5.6.0								
	<i>freeze_meeting:</i> GP-09								
	<i>history (event, available, version,</i>								
	GP-05 28/06/2001	5	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
	GP-06 01/10/2001	5	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> .
	GP-07 04/01/2002	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 19/09/2002	5	.	5	.	0		<a href="#">get it</a>	
	GP-12	5	.	6	.	0			
<hr/>									
<b>TS 45.008</b>	<b>Radio subsystem link control</b>								
Rel-5	<i>current version:</i> 5.8.0								
	<i>freeze_meeting:</i> GP-09								
	<i>history (event, available, version,</i>								
	GP-03 15/02/2001	5	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
	GP-04 20/04/2001	5	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i>
	GP-05 28/06/2001	5	.	2	.	0		<a href="#">get it</a>	
	GP-06 01/10/2001	5	.	3	.	0		<a href="#">get it</a>	
	GP-07 04/01/2002	5	.	4	.	0		<a href="#">get it</a>	
	GP-08 19/02/2002	5	.	5	.	0		<a href="#">get it</a>	
	GP-09 06/05/2002	5	.	6	.	0		<a href="#">get it</a>	
	GP-10 19/07/2002	5	.	7	.	0		<a href="#">get it</a>	
	GP-11 19/09/2002	5	.	8	.	0		<a href="#">get it</a>	

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<b>TS 45.009</b>	<b>Link adaptation</b>					
Rel-5	current version: 5.5.0 freeze_meeting: GP-09	WG (prime / other): G1 / -	rapporteur: ANDERSEN, Niels Peter Skov USAI, Paolino	MOTOROLA A/S		
	history (event, available, version,	G: yes U:	MCC:			
	GP-03 06/02/2001 5 . 0 . 0	<a href="#">get it</a>	remarks - general:			
	GP-06 01/10/2001 5 . 1 . 0	<a href="#">get it</a>	remarks - this release:			
	GP-07 04/01/2002 5 . 2 . 0	<a href="#">get it</a>				
	GP-08 19/02/2002 5 . 3 . 0	<a href="#">get it</a>				
	GP-09 06/05/2002 5 . 4 . 0	<a href="#">get it</a>				
	GP-10 19/07/2002 5 . 5 . 0	<a href="#">get it</a>				
<b>TS 45.010</b>	<b>Radio subsystem synchronization</b>					
Rel-5	current version: 5.1.0 freeze_meeting: GP-10	WG (prime / other): G1 / -	rapporteur: JOKINEN, Harri USAI, Paolino	NOKIA MOBILE PHONES		
	history (event, available, version,	G: yes U:	MCC:			
	GP-10 19/07/2002 5 . 0 . 0	<a href="#">get it</a>	remarks - general:			
	GP-11 19/09/2002 5 . 1 . 0	<a href="#">get it</a>	remarks - this release: .			
<b>TR 45.022</b>	<b>Radio link management in hierarchical networks</b>					
Rel-5	current version: 5.0.0 freeze_meeting: GP-10	WG (prime / other): G1 / -	rapporteur: VAN BUSSEL, Han USAI, Paolino	T-MOBILE DEUTSCHLAND		
	history (event, available, version,	G: yes U:	MCC:			
	GP-10 19/07/2002 5 . 0 . 0	<a href="#">get it</a>	remarks - general:			
			remarks - this release: .			
<b>TR 45.050</b>	<b>Background for RF Requirements</b>					
Rel-5	current version: 5.0.1 freeze_meeting: GP-10	WG (prime / other): G1 / -	rapporteur: ANDERSEN, Niels Peter Skov USAI, Paolino	MOTOROLA A/S		
	history (event, available, version,	G: yes U:	MCC:			
	GP-10 19/07/2002 5 . 0 . 0	<a href="#">get it</a>	remarks - general:			
	clean up 19/09/2002 5 . 0 . 1	<a href="#">get it</a>	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 Lab 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 Lab S.p.A.  
*G: yes U:* *MCC:* USAI, Paolino

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

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**TS 46.002 Half Rate Speech Processing Functions**  
Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* SP-16  
*history (event, available, version,*  
SP-16 28/06/2002 5 . 0 . 0

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

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

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**TS 46.006 Half-rate speech: ANSI-C code for GSM half-rate speech codec**  
Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* SP-16  
*history (event, available, version,*  
SP-16 28/06/2002 5 . 0 . 0

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

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*remarks - this release:* .

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<b>TS 46.007</b>	<b>Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i> SP-16	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</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 46.008</b>	<b>Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SALEM, Tarek	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> SP-16	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</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 46.010</b>	<b>Full-rate speech transcoding</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> LORENZ, Dietmar	PHILIPS Semiconductors		
	<i>freeze_meeting:</i> SP-16	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</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 46.011</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> .

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<b>TS 46.020</b>	<b>Half Rate Speech Transcoding</b>	Rel-5	<i>current version:</i> 5.0.0 <i>freeze_meeting:</i> SP-16 <i>history (event, available, version,</i> SP-16 28/06/2002 5 . 0 . 0	<i>WG (prime / other):</i> S4 / - <i>G: yes U:</i>	<i>rapporteur:</i> AFTELAK, Steve <i>MCC:</i> USAI, Paolino	MOTOROLA Ltd	<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i> .
<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>freeze_meeting:</i> SP-16 <i>history (event, available, version,</i> SP-16 28/06/2002 5 . 0 . 0	<i>WG (prime / other):</i> S4 / - <i>G: yes U:</i>	<i>rapporteur:</i> AFTELAK, Steve <i>MCC:</i> USAI, Paolino	MOTOROLA Ltd	<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i> .
<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>freeze_meeting:</i> SP-16 <i>history (event, available, version,</i> SP-16 28/06/2002 5 . 0 . 0	<i>WG (prime / other):</i> S4 / - <i>G: yes U:</i>	<i>rapporteur:</i> AFTELAK, Steve <i>MCC:</i> USAI, Paolino	MOTOROLA Ltd	<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i> .
<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>freeze_meeting:</i> SP-16 <i>history (event, available, version,</i> SP-16 28/06/2002 5 . 0 . 0	<i>WG (prime / other):</i> S4 / - <i>G: yes U:</i>	<i>rapporteur:</i> USAI, Paolino <i>MCC:</i> USAI, Paolino	Telecom Italia Lab S.p.A.	<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i> .
<b>TS 46.032</b>	<b>Voice Activity Detection (VAD)</b>	Rel-5	<i>current version:</i> 5.0.0 <i>freeze_meeting:</i> SP-16 <i>history (event, available, version,</i> SP-16 28/06/2002 5 . 0 . 0	<i>WG (prime / other):</i> S4 / - <i>G: yes U:</i>	<i>rapporteur:</i> BARRETT, Paul <i>MCC:</i> USAI, Paolino	Indicate persons who left Company and wait for new One	<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i> .

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<b>TS 46.041</b>	<b>Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino		Telecom Italia Lab 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> .	
<hr/>						
<b>TS 46.053</b>	<b>ANSI-C code for the GSM Enhanced full rate speech codec</b>					
Rel-5	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari		NOKIA Corporation	
	<i>freeze_meeting:</i> SP-16	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</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> .	

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<b>TR 46.055</b>	<b>Performance characterisation of the GSM EFR 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: <a href="#">get it</a>	rapporteur: SALEM, Tarek MCC: USAI, Paolino	T-MOBILE DEUTSCHLAND	remarks - general: remarks - this release: .
<b>TS 46.060</b>	<b>Enhanced 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: <a href="#">get it</a>	rapporteur: JÄRVINEN, Kari MCC: USAI, Paolino	NOKIA Corporation	remarks - general: remarks - this release: .
<b>TS 46.061</b>	<b>Substitution and muting of lost frames for enhanced full rate speech traffic channels</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: <a href="#">get it</a>	rapporteur: JÄRVINEN, Kari MCC: USAI, Paolino	NOKIA Corporation	remarks - general: remarks - this release: .
<b>TS 46.062</b>	<b>Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels</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: <a href="#">get it</a>	rapporteur: JÄRVINEN, Kari MCC: USAI, Paolino	NOKIA Corporation	remarks - general: remarks - this release: .
<b>TS 46.081</b>	<b>Discontinuous Transmission (DTX) for enhanced full rate speech traffic channels</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: <a href="#">get it</a>	rapporteur: JÄRVINEN, Kari MCC: USAI, Paolino	NOKIA Corporation	remarks - general: remarks - this release: .

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**TS 46.082 Voice Activity Detection (VAD) for enhanced full rate speech traffic channels**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* S4 / - *rapporteur:* JÄRVINEN, Kari NOKIA Corporation  
*freeze\_meeting:* SP-16 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version,*  
SP-16 28/06/2002 5 . 0 . 0 [get it](#) *remarks - general:*  
*remarks - this release:* .

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**TR 46.085 Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino Telecom Italia Lab S.p.A.  
*freeze\_meeting:* SP-16 *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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Rel-5 **48** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/48\\_series](http://www.3gpp.org/ftp/Specs/archive/48_series)

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**TS 48.001 General Aspects on the BSS-MSC Interface**

Rel-5 *current version:* 5.0.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* GP-11 *G: yes U:* *MCC:* Peter Skov  
*history (event, available, version,* THOMASEN, Gert  
GP-11 27/09/2002 5 . 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-5 *current version:* 5.1.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* GP-09 *G: yes U:* *MCC:* Peter Skov  
*history (event, available, version,* THOMASEN, Gert  
GP-04 05/10/2001 5 . 0 . 0 [get it](#) *remarks - general:*  
GP-09 06/05/2002 5 . 1 . 0 [get it](#) *remarks - this release:* .

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<b>TS 48.004</b>	<b>Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification</b>				
Rel-5	current version: 5.0.0 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: remarks - this release: .		
<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	current version: 5.0.0 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: 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-5	current version: 5.8.0 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 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 5 . 8 . 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> <a href="#">get it</a> <a href="#">get it</a>	remarks - general: remarks - this release: .		
<hr/>					
<b>TS 48.014</b>	<b>General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1</b>				
Rel-5	current version: 5.0.0 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: 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-5	current version: 5.1.0 freeze_meeting: GP-09	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov THOMASEN, Gert	MOTOROLA A/S					
	history (event, available, version,	G: yes U:	MCC:						
	GP-06 14/09/2001 5 . 0 . 0	<a href="#">get it</a>	remarks - general:						
	GP-07 08/01/2002 5 . 1 . 0	<a href="#">get it</a>	remarks - this release: .						
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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	current version: 5.5.0 freeze_meeting: GP-09	WG (prime / other): G2 / -	rapporteur: BLACK, Jyoti THOMASEN, Gert	MOTOROLA					
	history (event, available, version,	G: yes U:	MCC:						
	GP-06 10/09/2001 5 . 0 . 0	<a href="#">get it</a>	remarks - general:						
	GP-07 08/01/2002 5 . 1 . 0	<a href="#">get it</a>	remarks - this release: .						
	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>							
<hr/>									
<b>TS 48.020</b>	<b>Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface</b>								
Rel-5	current version: 5.2.0 freeze_meeting: NP-15	WG (prime / other): N3 / -	rapporteur: RÄSÄNEN, Juha BOSWARTHICK, David	NOKIA Corporation					
	history (event, available, version,	G: yes U:	MCC:						
	NP-14 11/01/2002 5 . 0 . 0	<a href="#">get it</a>	remarks - general:						
	NP-17 18/09/2002 5 . 1 . 0	<a href="#">get it</a>	remarks - this release: .						
	NP-18 5 . 2 . 0								
<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	current version: 5.0.0 freeze_meeting: GP-10	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov THOMASEN, Gert	MOTOROLA A/S					
	history (event, available, version,	G: yes U:	MCC:						
	GP-10 19/07/2002 5 . 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 48.051</b>	<b>Base Station Controller - Base Transceiver Station (BSC-BTS) Interface General Aspects</b>					
Rel-5	<i>current version:</i> 5.0.0 <i>freeze_meeting:</i> GP-11	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov		MOTOROLA A/S	
		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> <i>remarks - this release:</i> .			
<hr/>						
<b>TS 48.052</b>	<b>Base Station Controller - Base Transceiver Station (BSC-BTS) Interface - Interface Principles</b>					
Rel-5	<i>current version:</i> 5.0.0 <i>freeze_meeting:</i> GP-11	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov		MOTOROLA A/S	
		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> <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> 5.0.0 <i>freeze_meeting:</i> GP-11	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov		MOTOROLA A/S	
		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> <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>freeze_meeting:</i> GP-11	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov		MOTOROLA A/S	
		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> <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 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>				
<hr/>						
<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>				
<hr/>						
<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: .			
<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-5	current version: 5.0.0 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:			
			remarks - this release: .			

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

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Rel-5 49 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/49\\_series](http://www.3gpp.org/ftp/Specs/archive/49_series)

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**TR 49.001 General network interworking scenarios**  
Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* NP-15  
*history (event, available, version,*  
NP-16 25/06/2002 5 . 0 . 0

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

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

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**TS 49.008 Application of the Base Station System Application Part (BSSAP) on the E-Interface**  
Rel-5 *current version:* 5.0.0  
*freeze\_meeting:* NP-15  
*history (event, available, version,*  
NP-16 19/06/2002 5 . 0 . 0

*WG (prime / other):* N1 / - *rapporteur:* FARHOUMAND, Ericsson Incorporated  
Rouzbeh  
*G: yes U:* *MCC:* JORGENSEN, Per Johan

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

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**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  
*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

*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](#)

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Rel-5 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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G = required in systems with GERAN acces; U = required in systems with UMTS

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<b>TR 50.099</b>	<b>GERAN project plan and open issues</b>								
Rel-5	<i>current version:</i> 0.1.6	DRAFT		<i>WG (prime / other):</i> GP / -	<i>rapporteur:</i> MUELLER, Frank	Telefon AB LM Ericsson			
	<i>freeze_meeting:</i> GP-09			<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version,</i>								
	GP-08 04/04/2002	0 . 0 . 14	GP-020277	<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	
	GP-08 20/03/2002	0 . 0 . 15	GP-020515	<a href="#">get it</a>	<i>remarks - this release:</i>	GP-08: Assume planning is for Rel-5 now (since Rel-4 is frozen).		Rel-5.	
	draft 20/03/2002	0 . 1 . 6		<a href="#">get it</a>					

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Rel-5 **51** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/51\\_series](http://www.3gpp.org/ftp/Specs/archive/51_series)

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<b>TS 51.010-1</b>	<b>Mobile Station (MS) conformance specification; Part 1: Conformance specification</b>								
Rel-5	<i>current version:</i> 5.1.0			<i>WG (prime / other):</i> G5 / S1 /	<i>rapporteur:</i> HU, Shicheng	ETSI Secretariat			
	<i>freeze_meeting:</i>			NP /					
				T2 /					
				SCP					
				/ G4					
	<i>history (event, available, version,</i>			<i>G: yes U:</i>	<i>MCC:</i> SALMERON, Lidia				
	GP-11 20/09/2002	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	2001-11-19: G4->G5.			
	GP-12	5 . 1 . 0			<i>remarks - this release:</i>	.			

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<b>TS 51.010-2</b>	<b>Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification</b>								
Rel-5	<i>current version:</i> 5.1.0			<i>WG (prime / other):</i> G5 / S1 /	<i>rapporteur:</i> HU, Shicheng	ETSI Secretariat			
	<i>freeze_meeting:</i> GP-11			NP /					
				T2 /					
				SCP					
				/ G4					
	<i>history (event, available, version,</i>			<i>G: yes U:</i>	<i>MCC:</i> SALMERON, Lidia				
	GP-11 19/09/2002	5 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	2001-11-19: G4->G5.			
	GP-12	5 . 1 . 0			<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 51.013 Test specification for SIM API for Java card**

Rel-5 *current version:* none  
*freeze\_meeting:*  
*history (event, available, version,*

*WG (prime / other):* T3 / - *rapporteur:* LLOBREGAT, Fernando OBERTHUR CARD SYSTEMS S.A.  
*G: yes U:* *MCC:* DIETZE, Claus

*remarks - general:*  
*remarks - this release:* TP-16: WI is TP-020122.

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**TS 51.021 GSM radio aspects base station system equipment specification**

Rel-5 *current version:* 5.1.0  
*freeze\_meeting:* GP-10  
*history (event, available, version,*  
GP-10 19/07/2002 5 . 0 . 0  
GP-12 5 . 1 . 0

*WG (prime / other):* G3 / - *rapporteur:* BUSIN, Ake Telefon AB LM Ericsson  
*G: yes U:* *MCC:* USAI, Paolino

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

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**TS 51.026 GSM Repeater Equipment Specification**

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):* G3 / - *rapporteur:* BUSIN, Ake Telefon AB LM Ericsson  
*G: yes U:* *MCC:* USAI, Paolino

[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  
*freeze\_meeting:* GP-10  
*history (event, available, version,*  
GP-10 19/07/2002 5 . 0 . 0

*WG (prime / other):* G3 / S5 *rapporteur:* TRUSS, Michael MOTOROLA Ltd  
*G: yes U:* *MCC:* USAI, Paolino

[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-5 52 .- series  
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**TS 52.402 Telecommunication management; Performance Management (PM); Performance measurements - GSM**  
Rel-5 *current version:* none *WG (prime / other):* S5 / - *rapporteur:* TOCHE, Christian NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* SP-18 *G:* yes *U:* *MCC:* ZOICAS, Adrian  
*history (event, available, version,* *remarks - general:* SP-13: replaces 32.402.  
*remarks - this release:* .

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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 21.102 3rd Generation mobile system Release 4 specifications**  
Rel-4 *current version:* 4.7.0 *WG (prime / other):* SP / - *rapporteur:* MEREDITH, John M ETSI Secretariat  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* POPE, Maurice  
*history (event, available, version,*

SP-08	30/06/2000	1	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
SP-10	04/01/2001	1	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
SP-11	11/04/2001	4	.	0	.	0	<a href="#">get it</a>
SP-12	05/07/2001	4	.	1	.	0	<a href="#">get it</a>
SP-13	01/10/2001	4	.	2	.	0	<a href="#">get it</a>
SP-14	03/01/2002	4	.	3	.	0	<a href="#">get it</a>
SP-15	27/03/2002	4	.	4	.	0	<a href="#">get it</a>
SP-16	19/06/2002	4	.	5	.	0	<a href="#">get it</a>
SP-17	18/09/2002	4	.	6	.	0	<a href="#">get it</a>
SP-18		4	.	7	.	0	

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

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<b>TS 21.111</b>	<b>USIM and IC card requirements</b>					
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> KALINER, Stefan	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<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>			
	TP-17 18/09/2002 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> 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.			
<hr/>						
<b>TS 21.133</b>	<b>3G security; Security threats and requirements</b>					
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> CHRISTOFFERSSON,	Telia Promotor AB		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version,</i>					
	SP-11 09/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-14 07/01/2002 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>						
<b>TR 21.801</b>	<b>Specification drafting rules</b>					
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> SP / -	<i>rapporteur:</i> MEREDITH, John M	ETSI Secretariat		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes U: yes	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version,</i>					
	SP-08 28/06/2000 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-08 30/06/2000 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> Formal doc created after TSG#7. (Was briefly 21.200)			
	SP-11 11/04/2001 4 . 1 . 0	<a href="#">get it</a>				
	SP-13 01/10/2001 4 . 2 . 0	<a href="#">get it</a>				
	SP-15 27/03/2002 4 . 3 . 0	<a href="#">get it</a>				
<hr/>						
<b>TR 21.900</b>	<b>Technical Specification Group working methods</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> SP / -	<i>rapporteur:</i> MEREDITH, John M	ETSI Secretariat		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes U: yes	<i>MCC:</i> POPE, Maurice			
	<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>			

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

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## TR 21.905 Vocabulary for 3GPP Specifications

Rel-4 *current version:* 4.4.0  
*freeze\_meeting:* SP-11  
*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

*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:* Absorbs 01.04.  
[get it](#)  
[get it](#)  
[get it](#)

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  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
SP-09 18/10/2000 4 . 0 . 0  
SP-10 08/01/2001 4 . 1 . 0  
remove change 28/02/2001 4 . 1 . 1  
bars  
SP-12 27/06/2001 4 . 2 . 0  
SP-15 25/03/2002 4 . 3 . 0

*WG (prime / other):* S1 / - *rapporteur:* KOKKOLA, Tommi NOKIA Corporation  
*G:* yes U: yes *MCC:* CLAYTON, Michael

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

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

Rel-4 *current version:* 4.2.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
SP-09 18/10/2000 4 . 0 . 0  
SP-11 02/04/2001 4 . 1 . 0  
SP-12 27/06/2001 4 . 2 . 0

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

[get it](#) *remarks - general:* Transfer>TSG#4  
[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>TS 22.003</b>	<b>Circuit Teleservices supported by a Public Land Mobile Network (PLMN)</b>					
Rel-4	<i>current version:</i> 4.3.0	<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-07 17/03/2000 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#5			
	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 22.004</b>	<b>General on supplementary services</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-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-16 04/07/2002 4 . 2 . 0	<a href="#">get it</a>				
<hr/>						
<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>				

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**TS 22.016 International Mobile Equipment Identities (IMEI)**

Rel-4 *current version:* 4.2.1  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
SP-11 02/04/2001 4 . 0 . 0  
SP-15 25/03/2002 4 . 1 . 0  
SP-16 04/07/2002 4 . 2 . 0  
edito post SP-16 19/07/2002 4 . 2 . 1 History box

*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:* TSG#8: CR proposed creation, but not aprvd.  
[get it](#)  
[get it](#)

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**TS 22.022 Personalisation of Mobile Equipment (ME); Mobile functionality specification**

Rel-4 *current version:* 4.1.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
SP-11 02/04/2001 4 . 0 . 0  
SP-16 19/06/2002 4 . 1 . 0

*WG (prime / other):* S3 / - *rapporteur:* NGUYEN NGOC, France Telecom  
Sebastien  
*G: yes U: yes* *MCC:* POPE, Maurice  
[get it](#) *remarks - general:* Transfer>TSG#4  
[get it](#) *remarks - this release:*

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**TS 22.024 Description of Charge Advice Information (CAI)**

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 / - *rapporteur:* DWYER, Paul NORTEL NETWORKS (EUROPE)  
*G: yes U: yes* *MCC:* CLAYTON, Michael  
[get it](#) *remarks - general:* Transfer>TSG#4,CR at TSG#5  
*remarks - this release:*

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

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 / - *rapporteur:* TOIVANEN, Annukka NOKIA Corporation  
*G: yes U: yes* *MCC:* CLAYTON, Michael  
[get it](#) *remarks - general:* Transfer>TSG#4  
[get it](#) *remarks - this release:*

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<b>TS 22.031</b>	<b>Fraud Information Gathering System (FIGS); Service description; Stage 1</b>								
Rel-4	current version: 4.0.0 freeze_meeting: SP-18	WG (prime / other): S3 /	rapporteur: WRIGHT, Tim						Indicate persons who left Company and wait for new One
	history (event, available, version, SP-18	G: yes U: yes	MCC: POPE, Maurice						
	4 . 0 . 0	Technically identical to 42.031 v4.0.0.	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: Created from 42.031 Rel-4.						
<b>TS 22.032</b>	<b>Immediate Service Termination (IST); Service description; Stage 1</b>								
Rel-4	current version: 4.0.0 freeze_meeting: SP-16	WG (prime / other): S3 /	rapporteur: WRIGHT, Tim						Indicate persons who left Company and wait for new One
	history (event, available, version, SP-16	G: yes U: yes	MCC: POPE, Maurice						
	24/06/2002 4 . 0 . 0		get it	remarks - general: SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards).					
			get it	remarks - this release: 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	current version: 4.1.0 freeze_meeting: SP-11	WG (prime / other): S1 / -	rapporteur: KOKKOLA, Tommi						NOKIA Corporation
	history (event, available, version, SP-11	G: yes U: yes	MCC: CLAYTON, Michael						
	02/04/2001 4 . 0 . 0		get it	remarks - general: Transfer>TSG#4					
	SP-16 04/07/2002 4 . 1 . 0		get it	remarks - this release:					
<b>TS 22.038</b>	<b>USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1</b>								
Rel-4	current version: 4.1.0 freeze_meeting: SP-11	WG (prime / other): S1 / -	rapporteur: CARPENTER, Paul						Research In Motion Limited
	history (event, available, version, SP-09	G: yes U: yes	MCC: CLAYTON, Michael						
	18/10/2000 4 . 0 . 0		get it	remarks - general: Transfer>TSG#4					
	SP-10 08/01/2001 4 . 1 . 0		get it	remarks - this release:					
<b>TS 22.041</b>	<b>Operator Determined Call Barring</b>								
Rel-4	current version: 4.1.0 freeze_meeting: SP-11	WG (prime / other): S1 / -	rapporteur: WOLAK, Stephen						VODAFONE Group Plc
	history (event, available, version, SP-10	G: yes U: yes	MCC: CLAYTON, Michael						
	08/01/2001 4 . 0 . 0		get it	remarks - general: Transfer>TSG#4					
	SP-11 02/04/2001 4 . 1 . 0		get it	remarks - this release:					

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<b>TS 22.042</b>	<b>Network Identity and Time Zone (NITZ) service description; Stage 1</b>								
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> DAHLKVIST, Mikael	ERICSSON MOBILE COMMUNICATIONS AB					
	<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 22.048</b>	<b>Security Mechanisms for the (U)SIM application toolkit; Stage 1</b>								
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> T3 / S3	<i>rapporteur:</i> BARNES, Nigel	MOTOROLA Ltd					
	<i>freeze_meeting:</i> TP-12	G: yes U: yes	<i>MCC:</i> 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	G: yes U: yes	<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>							
<hr/>									
<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".						

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<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>			
<hr/>						
<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>			
<hr/>						
<b>TS 22.076</b>	<b>Noise suppression for the AMR codec; Service description; Stage 1</b>					
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	Telecom Italia Lab 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>			
<hr/>						
<b>TS 22.078</b>	<b>Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1</b>					
Rel-4	<i>current version:</i> 4.5.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> GRECH, Michel	Lucent Technologies Network Systems UK		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</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>				
<hr/>						
<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>			

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<b>TS 22.081</b>	<b>Line Identification supplementary services; Stage 1</b>						
Rel-4	current version: 4.1.0	WG (prime / other):	S1 / -	rapporteur:	AHNBERG, Tomas	Indicate persons who left Company and wait for new One	
	freeze_meeting: SP-11	G: yes	U: yes	MCC:	CLAYTON, Michael		
	history (event, available, version,						
	SP-11 02/04/2001		4 . 0 . 0	<a href="#">get it</a>	remarks - general: Transfer>TSG#4		
	SP-15 25/03/2002		4 . 1 . 0	<a href="#">get it</a>	remarks - this release:		
<b>TS 22.082</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 1</b>						
Rel-4	current version: 4.2.0	WG (prime / other):	S1 / -	rapporteur:	EVEN, Anne	France Telecom	
	freeze_meeting: SP-11	G: yes	U: yes	MCC:	CLAYTON, Michael		
	history (event, available, version,						
	SP-11 02/04/2001		4 . 0 . 0	<a href="#">get it</a>	remarks - general: Transfer>TSG#4		
	SP-12 29/06/2001		4 . 1 . 0	<a href="#">get it</a>	remarks - this release:		
	SP-15 25/03/2002		4 . 2 . 0	<a href="#">get it</a>			
<b>TS 22.083</b>	<b>Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1</b>						
Rel-4	current version: 4.1.0	WG (prime / other):	S1 / -	rapporteur:	CLAYTON, Michael	EMCOM Ltd	
	freeze_meeting: SP-11	G: yes	U: yes	MCC:	CLAYTON, Michael		
	history (event, available, version,						
	SP-11 02/04/2001		4 . 0 . 0	<a href="#">get it</a>	remarks - general: Transfer>TSG#4		
	SP-15 25/03/2002		4 . 1 . 0	<a href="#">get it</a>	remarks - this release:		
<b>TS 22.084</b>	<b>MultiParty (MPTY) supplementary service; Stage 1</b>						
Rel-4	current version: 4.1.0	WG (prime / other):	S1 / -	rapporteur:	CLAYTON, Michael	EMCOM Ltd	
	freeze_meeting: SP-11	G: yes	U: yes	MCC:	CLAYTON, Michael		
	history (event, available, version,						
	SP-11 02/04/2001		4 . 0 . 0	<a href="#">get it</a>	remarks - general: Transfer>TSG#4		
	SP-15 25/03/2002		4 . 1 . 0	<a href="#">get it</a>	remarks - this release:		
<b>TS 22.085</b>	<b>Closed User Group (CUG) supplementary services; Stage 1</b>						
Rel-4	current version: 4.1.0	WG (prime / other):	S1 / -	rapporteur:	CLAYTON, Michael	EMCOM Ltd	
	freeze_meeting: SP-11	G: yes	U: yes	MCC:	CLAYTON, Michael		
	history (event, available, version,						
	SP-11 02/04/2001		4 . 0 . 0	<a href="#">get it</a>	remarks - general: Transfer>TSG#4		
	SP-15 25/03/2002		4 . 1 . 0	<a href="#">get it</a>	remarks - this release:		

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<b>TS 22.086</b>	<b>Advice of Charge (AoC) 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: DWYER, Paul MCC: CLAYTON, Michael	NORTEL NETWORKS (EUROPE)
			<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>	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: BRADEN, Christian MCC: CLAYTON, Michael	T-MOBILE DEUTSCHLAND
			<a href="#">get it</a>	remarks - general: Transfer>TSG#4 remarks - this release:	
<b>TS 22.088</b>	<b>Call Barring (CB) supplementary services; 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: CLAYTON, Michael MCC: CLAYTON, Michael	EMCOMLtd
			<a href="#">get it</a>	remarks - general: Transfer>TSG#4 remarks - this release:	
<b>TS 22.090</b>	<b>Unstructured Supplementary Service Data (USSD); 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: KOKKOLA, Tommi MCC: CLAYTON, Michael	NOKIA Corporation
			<a href="#">get it</a>	remarks - general: Transfer>TSG#4 remarks - this release:	
<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:	

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<b>TS 22.093</b>	<b>Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1</b>								
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd					
	<i>freeze_meeting:</i> SP-11	<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		
							<i>remarks - this release:</i>		
<hr/>									
<b>TS 22.094</b>	<b>Follow Me service description - Stage 1</b>								
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> BERGMANN, Ansgar	Deutsche Telekom AG					
	<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. GSM only @TSG#5		
	SP-15 25/03/2002 4 . 1 . 0					<a href="#">get it</a>	<i>remarks - this release:</i> Apr2001: V3 unwithdrawn, so Rel-4 version produced.		
<hr/>									
<b>TS 22.096</b>	<b>Name identification supplementary services; Stage 1</b>								
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd					
	<i>freeze_meeting:</i> SP-11	<i>G: yes U: yes</i>	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version,</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 22.097</b>	<b>Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1</b>								
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> DWYER, Paul	NORTEL NETWORKS (EUROPE)					
	<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>		

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

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<b>TS 22.101</b>	<b>Service aspects; Service principles</b>						
Rel-4	current version: 4.6.0	WG (prime / other):	S1 / -	rapporteur:	DWYER, Paul	NORTEL NETWORKS (EUROPE)	
	freeze_meeting: SP-11	G:	U: yes	MCC:	CLAYTON, Michael		
	history (event, available, version,						
	SP-08 28/06/2000	4 . 0 . 0		<a href="#">get it</a>	remarks - general:		
	SP-09 18/10/2000	4 . 1 . 0		<a href="#">get it</a>	remarks - this release: 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>			
	corrections						
	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>			
<b>TS 22.105</b>	<b>Services and service capabilities</b>						
Rel-4	current version: 4.3.0	WG (prime / other):	S1 / -	rapporteur:	EVEN, Anne	France Telecom	
	freeze_meeting: SP-11	G:	U: yes	MCC:	CLAYTON, Michael		
	history (event, available, version,						
	SP-09 18/10/2000	4 . 0 . 0		<a href="#">get it</a>	remarks - general:		
	SP-10 08/01/2001	4 . 1 . 0		<a href="#">get it</a>	remarks - this release:		
	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>			
<b>TS 22.115</b>	<b>Service Aspects Charging and billing</b>						
Rel-4	current version: 4.0.0	WG (prime / other):	S1 / -	rapporteur:	MONTEGROSSO,	TELECOM ITALIA S.p.A.	
	freeze_meeting: SP-11	G: yes	U: yes	MCC:	Emanuele CLAYTON, Michael		
	history (event, available, version,						
	SP-11 02/04/2001	4 . 0 . 0		<a href="#">get it</a>	remarks - general:		
					remarks - this release:		
<b>TR 22.121</b>	<b>Service aspects; The Virtual Home Environment; Stage 1</b>						
Rel-4	current version: 4.1.1	WG (prime / other):	S1 / -	rapporteur:	OGUNBEKUN, Jumoke	FUJITSU Laboratories of Europe Limited	
	freeze_meeting: SP-11	G: yes	U: yes	MCC:	CLAYTON, Michael		
	history (event, available, version,						
	SP-04 18/10/2000	4 . 0 . 0		<a href="#">get it</a>	remarks - general: Former title: "Provision of Services in UMTS - The Virtual Home Environment;		
	SP-11 02/04/2001	4 . 1 . 0		<a href="#">get it</a>	remarks - this release: Stage 1". SP-16: converted from TS to TR.		
	SP-16 19/07/2002	4 . 1 . 1	Converted from TS to TR.	<a href="#">get it</a>			

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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 *remarks - general:*  
draft 0 . 2 . 0 *remarks - this release:*  
draft 0 . 3 . 0  
draft 0 . 4 . 0  
draft 0 . 5 . 0  
SP-09 28/09/2000 1 . 0 . 0 [get it](#)  
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 [get it](#)  
SP-11 02/04/2001 4 . 1 . 0 [get it](#)  
SP-12 27/06/2001 4 . 2 . 0 [get it](#)  
SP-14 10/01/2002 4 . 3 . 0 [get it](#)  
SP-15 28/03/2002 4 . 4 . 0 [get it](#)

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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 [get it](#) *remarks - general:*  
SP-10 08/01/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
SP-11 02/04/2001 4 . 2 . 0 [get it](#)  
SP-12 27/06/2001 4 . 3 . 0 [get it](#)  
SP-14 10/01/2002 4 . 4 . 0 [get it](#)

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## TS 22.135 Multicall; Service description; Stage 1

Rel-4 *current version:* 4.3.0 *freeze\_meeting:* SP-11  
*history (event, available, version,*  
SP-11 02/04/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
SP-15 27/03/2002 4 . 1 . 0 [get it](#) *remarks - this release:*  
SP-16 4 . 2 . 0 CR010 unimplementable because  
written to wrong version. No new CR at  
SP-17; still waiting.  
SP-18 4 . 3 . 0

*WG (prime / other):* S1 / - *rapporteur:* KOKKOLA, Tommi  
*G:* *U:* yes *MCC:* CLAYTON, Michael NOKIA Corporation

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

Rel-4 *current version:* 4.2.0 *freeze\_meeting:* SP-11  
*history (event, available, version,*  
SP-T-3 23/04/1999 0 . 0 . 0 [get it](#) *remarks - general:* (development in T2)  
SP-T-05 08/10/1999 1 . 0 . 0 [get it](#) *remarks - this release:* based on 3.0.0  
SP-T-06 17/12/1999 2 . 0 . 0 [get it](#)  
SP-08 4 . 0 . 0  
SP-08 28/06/2000 4 . 0 . 1 [get it](#)  
SP-11 02/04/2001 4 . 1 . 0 [get it](#)  
SP-15 28/03/2002 4 . 2 . 0 [get it](#)

*WG (prime / other):* S1 / - *rapporteur:* LAUMEN, Josef  
*G:* *U:* yes *MCC:* CLAYTON, Michael SIEMENS AG

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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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<b>TS 23.002</b>	<b>Network architecture</b>						
Rel-4	<i>current version:</i> 4.6.0			<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> SULTAN, Alain	SOURCE COM	
	<i>freeze_meeting:</i> SP-11			<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> SULTAN, Alain		
	<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,CR at TSG#5		
	SP-10 21/12/2000	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-11 06/04/2001	4 . 2 . 0	<a href="#">get it</a>				
	SP-12 29/06/2001	4 . 3 . 0	<a href="#">get it</a>				
	SP-14 07/01/2002	4 . 4 . 0	<a href="#">get it</a>				
	SP-17 24/09/2002	4 . 5 . 0	<a href="#">get it</a>				
	SP-18	4 . 6 . 0					
<hr/>							
<b>TS 23.003</b>	<b>Numbering, Addressing and Identification</b>						
Rel-4	<i>current version:</i> 4.5.0			<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE Group Plc	
	<i>freeze_meeting:</i> SP-11			<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>						
	NP-11 02/04/2001	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>			
	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-16 21/06/2002	4 . 4 . 0	<a href="#">get it</a>				
	NP-17 17/09/2002	4 . 5 . 0	<a href="#">get it</a>				
<hr/>							
<b>TS 23.007</b>	<b>Restoration procedures</b>						
Rel-4	<i>current version:</i> 4.1.1			<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE Group Plc	
	<i>freeze_meeting:</i> SP-11			<i>G:</i> yes <i>U:</i> 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>			
	references						
	NP-16 21/06/2002	4 . 1 . 0	<a href="#">get it</a>				
	corrects 24/09/2002	4 . 1 . 1	<a href="#">get it</a>				
	references						

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<b>TS 23.008</b>	<b>Organisation of subscriber data</b>				
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> BAUER, Rolf	ALCATEL SEL AG	
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>				
	NP-11 28/03/2001 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>		
	NP-16 21/06/2002 4 . 2 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 23.009</b>	<b>Handover procedures</b>				
Rel-4	<i>current version:</i> 4.6.0	<i>WG (prime / other):</i> N1 / N4	<i>rapporteur:</i> FARHOUMAND,	Ericsson Incorporated	
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	Rouzbah		
	<i>history (event, available, version,</i>		<i>MCC:</i> JORGENSEN, Per Johan		
	NP-11 11/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-12 06/07/2001 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-13 05/10/2001 4 . 2 . 0	<a href="#">get it</a>			
	NP-14 08/01/2002 4 . 3 . 0	<a href="#">get it</a>			
	NP-16 20/06/2002 4 . 4 . 0	<a href="#">get it</a>			
	NP-17 17/09/2002 4 . 5 . 0	<a href="#">get it</a>			
	NP-18 4 . 6 . 0				
<hr/>					
<b>TS 23.011</b>	<b>Technical realization of Supplementary Services</b>				
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> CONRAD, Alan	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</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>		
	references				
<hr/>					
<b>TS 23.012</b>	<b>Location management procedures</b>				
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	SONERA Corporation	
	<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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## TS 23.014 Support of Dual Tone Multi Frequency (DTMF) signalling

Rel-4 *current version:* 4.1.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* N1 / - *rapporteur:* ZAUS, Robert SIEMENS AG  
*G: yes U: yes* *MCC:* JORGENSEN, Per Johan

*history (event, available, version,*  
NP-11 11/04/2001 4 . 0 . 0  
NP-17 17/09/2002 4 . 1 . 0

[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

*WG (prime / other):* N4 / - *rapporteur:* PARK, Ian David VODAFONE LTD  
*G: yes U: yes* *MCC:* Chalmers  
KYMALAINEN, Kimmo

*history (event, available, version,*  
NP-11 02/04/2001 4 . 0 . 0  
corrects 24/06/2002 4 . 0 . 1  
references

[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

*WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich SIEMENS AG  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo

*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

[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:* 4.6.0  
*freeze\_meeting:* SP-11

*WG (prime / other):* N4 / - *rapporteur:* PARK, Ian David VODAFONE LTD  
*G: yes U: yes* *MCC:* Chalmers  
KYMALAINEN, Kimmo

*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

[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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<b>TS 23.031</b>	<b>Fraud Information Gathering System (FIGS); Service description; Stage 2</b>	Rel-4	current version: 4.0.0 freeze_meeting: SP-18	WG (prime / other): S3 / - G: yes U: yes	rapporteur: WRIGHT, Tim MCC: POPE, Maurice	Indicate persons who left Company and wait for new One
<i>history (event, available, version, SP-18) 4 . 0 . 0</i> Technically identical to 43.031 v4.0.0						
<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.						
<b>TS 23.032</b>	<b>Universal Geographical Area Description (GAD)</b>	Rel-4	current version: 4.1.0 freeze_meeting: SP-11	WG (prime / other): S2 / - G: yes U: yes	rapporteur: HIETALAHTI, Hannu MCC: SULTAN, Alain	NOKIA Corporation
<i>history (event, available, version, SP-11 11/04/2001 4 . 0 . 0 SP-18 4 . 1 . 0</i> <a href="#">get it</a> <i>remarks - general:</i> S2 responsibility? <i>remarks - this release:</i>						
<b>TS 23.034</b>	<b>High Speed Circuit Switched Data (HSCSD); Stage 2</b>	Rel-4	current version: 4.0.0 freeze_meeting: SP-11	WG (prime / other): N1 / - G: yes U: yes	rapporteur: CARRION RODRIGO, Inmaculada MCC: JORGENSEN, Per Johan	NOKIA Corporation
<i>history (event, available, version, NP-11 11/04/2001 4 . 0 . 0</i> <a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i>						
<b>TS 23.035</b>	<b>Immediate Service Termination (IST); Stage 2</b>	Rel-4	current version: 4.1.0 freeze_meeting: SP-16	WG (prime / other): S3 / - G: yes U: yes	rapporteur: WRIGHT, Tim MCC: POPE, Maurice	Indicate persons who left Company and wait for new One
<i>history (event, available, version, SP-16 24/06/2002 4 . 0 . 0 SP-17 18/09/2002 4 . 1 . 0</i> <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 *WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Teleca Limited  
*freeze\_meeting:* SP-11 *G: yes U: yes* *MCC:* RODERMUND, Friedhelm

*history (event, available, version,*  
TP-08 23/06/2000 4 . 0 . 0 [get it](#) *remarks - general:*  
TP-10 03/01/2001 4 . 1 . 0 [get it](#) *remarks - this release:* based on 3.3.0  
TP-11 29/03/2001 4 . 2 . 0 [get it](#)  
TP-13 03/10/2001 4 . 3 . 0 [get it](#)  
TP-14 11/01/2002 4 . 4 . 0 [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)

Rel-4 *current version:* 4.0.0 *WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Teleca Limited  
*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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## TS 23.040 Technical realization of Short Message Service (SMS)

Rel-4 *current version:* 4.7.0 *WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Teleca Limited  
*freeze\_meeting:* SP-11 *G: yes U: yes* *MCC:* RODERMUND, Friedhelm

*history (event, available, version,*  
TP-08 23/06/2000 4 . 0 . 0 [get it](#) *remarks - general:*  
TP-09 11/10/2000 4 . 1 . 0 [get it](#) *remarks - this release:*  
TP-11 29/03/2001 4 . 2 . 0 [get it](#)  
TP-12 02/07/2001 4 . 3 . 0 [get it](#)  
TP-13 03/10/2001 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](#)

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

Rel-4 *current version:* 4.3.0 *WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Teleca 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:* Transfer>TSG#4  
TP-12 04/07/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
TP-14 11/01/2002 4 . 2 . 0 [get it](#)  
TP-16 02/07/2002 4 . 3 . 0 [get it](#)

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## TS 23.042 Compression algorithm for SMS

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 17/10/2001 4 . 0 . 1  
file

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

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

## TS 23.048 Security Mechanisms for the (U)SIM application toolkit; Stage 2

Rel-4 *current version:* 4.3.0  
*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

*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](#)

## 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 Lab S.p.A.  
*G: yes U: yes* *MCC:* USAI, Paolino

[get it](#) *remarks - general:* No draft.  
[get it](#) *remarks - this release:*  
[get it](#)

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

Rel-4 *current version:* 4.5.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
TP-10 22/12/2000 4 . 0 . 0  
TP-11 11/04/2001 4 . 1 . 0  
TP-12 05/07/2001 4 . 2 . 0  
TP-13 05/10/2001 4 . 3 . 0  
include fig 5 18/10/2001 4 . 3 . 1  
TP-14 16/01/2002 4 . 4 . 0  
TP-15 25/03/2002 4 . 5 . 0

*WG (prime / other):* T2 / - *rapporteur:* BRENK, Lars TTPCom Ltd  
*G: yes U: yes* *MCC:* RODERMUND, Friedhelm

[get it](#) *remarks - general:* Apr-2001: " Station Application" removed from title.  
[get it](#) *remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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

Rel-4 *current version:* 4.7.0 *WG (prime / other):* S2 / - *rapporteur:* DELECKI, Andrew MOTOROLA Ltd  
*freeze\_meeting:* SP-11 *G: yes U: yes* *MCC:* SULTAN, Alain

*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 [get it](#)  
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 4 . 7 . 0

## 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:*  
references

## TS 23.067 Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2

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 [get it](#) *remarks - general:*  
NP-12 27/06/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
corrects 24/06/2002 4 . 1 . 1 [get it](#)  
references

## TS 23.072 Call Deflection Supplementary Service; Stage 2

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 [get it](#) *remarks - general:*  
corrects 24/06/2002 4 . 0 . 1 [get it](#) *remarks - this release:*  
references

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

Rel-4 *current version:* 4.7.0 *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>	<i>remarks - general:</i>	CR at TSG#4,CR at TSG#5
NP-12	29/06/2001	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>		
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 to cover page	14/11/2002	4	.	6	.	1	<a href="#">get it</a>	minor correction, no need for SDO publication	
NP-18		4	.	7	.	0			

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## TS 23.079 Support of Optimal Routeing (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 KYMALAINEN, Kimmo

*history (event, available, version,*

NP-11	04/04/2001	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	CR at TSG#4,CR at TSG#5
NP-16	21/06/2002	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	.
NP-18		4	.	2	.	0			

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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 SONERA Corporation  
*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>	<i>remarks - general:</i>	
NP-17	17/09/2002	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	

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<b>TS 23.082</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 2</b>					
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	SONERA Corporation		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes <i>U:</i> 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>			
	NP-13 03/10/2001 4 . 2 . 0	<a href="#">get it</a>				
	NP-16 21/06/2002 4 . 3 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 23.083</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2</b>					
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE Group Plc		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version,</i>					
	NP-09 26/10/2000 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	NP-11 30/03/2001 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	inclusion of 24/04/2001 4 . 2 . 0	<a href="#">get it</a>				
	missed CR					
	NP-14 10/01/2002 4 . 3 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 23.084</b>	<b>MultiParty (MPTY) Supplementary Service; Stage 2</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE Group Plc		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes <i>U:</i> 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>			
			<i>remarks - this release:</i>			
<hr/>						
<b>TS 23.085</b>	<b>Closed User Group (CUG) Supplementary Service; Stage 2</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	SIEMENS AG		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes <i>U:</i> 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 23.086</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	SIEMENS AG
			<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	SIEMENS AG
			<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	SIEMENS AG
			<a href="#">get it</a>	remarks - general: remarks - this release:	
<hr/>					
<b>TS 23.090</b>	<b>Unstructured Supplementary Service Data (USSD); 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: CROOK, Mick MCC: KYMALAINEN, Kimmo	ORANGE PCS LTD
			<a href="#">get it</a>	remarks - general: remarks - this release:	
<hr/>					
<b>TS 23.091</b>	<b>Explicit Call Transfer (ECT) Supplementary Service; Stage 2</b>	Rel-4 current version: 4.1.0 freeze_meeting: SP-11 history (event, available, version, NP-11 30/03/2001 4 . 0 . 0 NP-17 17/09/2002 4 . 1 . 0	WG (prime / other): N4 / - G: yes U: yes	rapporteur: WIEHE, Ulrich MCC: KYMALAINEN, Kimmo	SIEMENS AG
			<a href="#">get it</a> <a href="#">get it</a>	remarks - general: remarks - this release:	

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<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	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>						
			<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	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> 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	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>						
			<i>remarks - this release:</i>						
<hr/>									
<b>TS 23.097</b>	<b>Multiple Subscriber Profile (MSP) Phase 1; Stage 2</b>								
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> HEWSON, Ruth	VODAFONE Group Plc					
	<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,CR at TSG#5						
			<i>remarks - this release:</i>						
<hr/>									
<b>TS 23.101</b>	<b>General UMTS Architecture</b>								
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> OLSSON, Magnus	Telefon AB LM Ericsson					
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> SULTAN, Alain						
	<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>						

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<b>TS 23.107</b>	<b>Quality of Service (QoS) concept and architecture</b>										
Rel-4	current version: 4.6.0			WG (prime / other):	S2 / -	rapporteur:	GREIS, Marc			NOKIA Corporation	
	freeze_meeting: SP-11			G: yes	U: yes	MCC:	SULTAN, Alain				
	history (event, available, version,										
	SP-10	22/12/2000	4 . 0 . 0			<a href="#">get it</a>	remarks - general:	was 23.907			
	SP-12	29/06/2001	4 . 1 . 0			<a href="#">get it</a>	remarks - this release:				
	SP-13	12/10/2001	4 . 2 . 0			<a href="#">get it</a>					
	SP-14	07/01/2002	4 . 3 . 0			<a href="#">get it</a>					
	SP-15	07/04/2002	4 . 4 . 0			<a href="#">get it</a>					
	SP-17	24/09/2002	4 . 5 . 0			<a href="#">get it</a>					
	SP-18		4 . 6 . 0								
<hr/>											
<b>TS 23.108</b>	<b>Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)</b>										
Rel-4	current version: 4.0.1			WG (prime / other):	N1 / -	rapporteur:	SALKINTZIS, Apostolis			MOTOROLA GmbH	
	freeze_meeting: SP-11			G: yes	U: yes	MCC:	JORGENSEN, Per Johan				
	history (event, available, version,										
	NP-11	11/04/2001	4 . 0 . 0			<a href="#">get it</a>	remarks - general:	This is clause 7 from 04.08 ex R98.			
	post NP-16	28/06/2002	4 . 0 . 1			<a href="#">get it</a>	remarks - this release:	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.			
<hr/>											
<b>TS 23.110</b>	<b>UMTS Access Stratum Services and Functions</b>										
Rel-4	current version: 4.0.0			WG (prime / other):	S2 / -	rapporteur:	LOPEZ-TORRES, Oscar			T-MOBILE DEUTSCHLAND	
	freeze_meeting: SP-11			G: yes	U: yes	MCC:	SULTAN, Alain				
	history (event, available, version,										
	SP-11	11/04/2001	4 . 0 . 0			<a href="#">get it</a>	remarks - general:				
							remarks - this release:				
<hr/>											
<b>TS 23.116</b>	<b>Super-Charger technical realization; Stage 2</b>										
Rel-4	current version: 4.2.0			WG (prime / other):	N4 / -	rapporteur:	ALLEN, Nicholas			Indicate persons who left Company and wait for new One	
	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:	New after TSG#5			
	NP-12	27/06/2001	4 . 1 . 0			<a href="#">get it</a>	remarks - this release:				
	NP-14	10/01/2002	4 . 2 . 0			<a href="#">get it</a>					

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<b>TS 23.119</b>	<b>Gateway Location Register (GLR); Stage2</b>								
Rel-4	<i>current version:</i> 4.0.0		<i>WG (prime / other):</i> N4 / -		<i>rapporteur:</i> SAWADA, Masahiro		NTT DoCoMo Inc.		
	<i>freeze_meeting:</i> SP-11		<i>G:</i> yes <i>U:</i> 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>				
<hr/>									
<b>TS 23.122</b>	<b>Non-Access-Stratum functions related to Mobile Station (MS) in idle mode</b>								
Rel-4	<i>current version:</i> 4.3.0		<i>WG (prime / other):</i> N1 / -		<i>rapporteur:</i> HIETALAHTI, Hannu		NOKIA Corporation		
	<i>freeze_meeting:</i> SP-11		<i>G:</i> <i>U:</i> yes		<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>				
	NP-12 05/07/2001	4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>				
	NP-17 17/09/2002	4 . 2 . 0		<a href="#">get it</a>					
	NP-18	4 . 3 . 0							
<hr/>									
<b>TS 23.127</b>	<b>Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2</b>								
Rel-4	<i>current version:</i> 4.3.0		<i>WG (prime / other):</i> S2 / -		<i>rapporteur:</i> GOURRAUD,		ERICSSON RESEARCH CANADA		
	<i>freeze_meeting:</i> SP-11		<i>G:</i> <i>U:</i> yes		<i>MCC:</i> SULTAN, Alain				
	<i>history (event, available, version,</i>								
	SP-09 06/11/2000	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> Sept 00: "Open Service Architecture" removed from title.				
	SP-11 06/04/2001	4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>				
	SP-12 29/06/2001	4 . 2 . 0		<a href="#">get it</a>					
	SP-15 05/04/2002	4 . 3 . 0		<a href="#">get it</a>					
<hr/>									
<b>TS 23.135</b>	<b>Multicall supplementary service; Stage 2</b>								
Rel-4	<i>current version:</i> 4.0.0		<i>WG (prime / other):</i> N4 / -		<i>rapporteur:</i> MITAMURA, Kazuo		NTT COMWARE Corporation		
	<i>freeze_meeting:</i> SP-11		<i>G:</i> <i>U:</i> 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>				
					<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 23.140 Multimedia Messaging Service (MMS); Functional description; Stage 2**

Rel-4 *current version:* 4.8.0 *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	<a href="#">get it</a> <i>remarks - general:</i>
TP-10	21/12/2000	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
TP-11	29/03/2001	4	.	2	.	0	<a href="#">get it</a>
TP-12	03/07/2001	4	.	3	.	0	<a href="#">get it</a>
TP-13	05/10/2001	4	.	4	.	0	<a href="#">get it</a>
TP-14	11/01/2002	4	.	5	.	0	<a href="#">get it</a>
TP-15	21/03/2002	4	.	6	.	0	<a href="#">get it</a>
TP-16	25/06/2002	4	.	7	.	0	<a href="#">get it</a>
TP-17	23/09/2002	4	.	8	.	0	<a href="#">get it</a>

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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:* 4.6.0 *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 [get it](#) *remarks - general:* New after TSG#5  
NP-07 21/11/2000 2 . 0 . 0 [get it](#) *remarks - this release:* 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 [get it](#)  
NP-11 04/04/2001 4 . 1 . 0 [get it](#)  
NP-12 27/06/2001 4 . 2 . 0 [get it](#)  
NP-13 03/10/2001 4 . 3 . 0 [get it](#)  
NP-14 10/01/2002 4 . 4 . 0 [get it](#)  
NP-17 18/09/2002 4 . 5 . 0 [get it](#)  
NP-18 4 . 6 . 0

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## TS 23.205 Bearer-independent circuit-switched core network; Stage 2

Rel-4 *current version:* 4.6.0 *WG (prime / other):* N4 / - *rapporteur:* GARCIA-MENDIVE, Telefon AB LM Ericsson  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*  
NP-10 12/01/2001 1 . 0 . 1 N4-001104 [get it](#) *remarks - general:* 2000-10: Rap change from Keutmann.  
NP-11 30/03/2001 4 . 0 . 0 [get it](#) *remarks - this release:*  
NP-12 06/07/2001 4 . 1 . 0 [get it](#)  
NP-13 03/10/2001 4 . 2 . 0 [get it](#)  
NP-14 10/01/2002 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](#)

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<b>TS 23.221</b>	<b>Architectural requirements</b>								
Rel-4	<i>current version:</i> 4.2.0			<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> DANIEL, Elizabeth	Lucent Technologies Network Systems UK			
	<i>freeze_meeting:</i> SP-11			<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> SULTAN, Alain				
	<i>history (event, available, version,</i>								
	draft 07/11/2000	0	. 0	. 5	<a href="#">get it</a>	<i>remarks - general:</i> Derived from R99-specific 23.121			
	SP-10 31/01/2001	1	. 0	. 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	draft 01/02/2001	1	. 1	. 0	<a href="#">get it</a>				
	SP-11 06/04/2001	4	. 0	. 0	<a href="#">get it</a>				
	SP-12 02/07/2001	4	. 1	. 0	<a href="#">get it</a>				
	SP-16 18/06/2002	4	. 2	. 0	<a href="#">get it</a>				
<b>TS 23.227</b>	<b>Application and user interaction in the UE; Principles and specific requirements</b>								
Rel-4	<i>current version:</i> 4.2.0			<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> TOMÉ, Olga	Telefon AB LM Ericsson			
	<i>freeze_meeting:</i> SP-11			<i>G:</i> <i>U:</i> yes	<i>MCC:</i> RODERMUND, Friedhelm				
	<i>history (event, available, version,</i>								
	draft 06/09/2000	0	. 1	. 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	TP-11 02/04/2001	4	. 0	. 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	TP-14 11/01/2002	4	. 1	. 0	<a href="#">get it</a>				
	TP-15 26/03/2002	4	. 2	. 0	<a href="#">get it</a>				
<b>TS 23.271</b>	<b>Location Services (LCS); Functional description; Stage 2</b>								
Rel-4	<i>current version:</i> 4.8.0			<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> KÅLL, Jan	NOKIA Corporation			
	<i>freeze_meeting:</i> SP-11			<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> SULTAN, Alain				
	<i>history (event, available, version,</i>								
	draft 10/07/2000	0	. 1	. 0	<a href="#">get it</a>	<i>remarks - general:</i> post-TSG#8: Recombined 2G and 3G spec for R00 onwards.			
	draft 14/09/2000	0	. 2	. 0	<a href="#">get it</a>	<i>remarks - this release:</i> post-TSG#8: Recombined 2G and 3G spec.			
	SP-09 09/11/2000	1	. 0	. 0	<a href="#">get it</a>				
	draft 22/11/2000	1	. 1	. 0	<a href="#">get it</a>				
	SP-10	2	. 0	. 0					
	SP-10 27/02/2001	4	. 0	. 0	<a href="#">get it</a>				
	SP-11 11/04/2001	4	. 1	. 0	<a href="#">get it</a>				
	SP-12 02/07/2001	4	. 2	. 0	<a href="#">get it</a>				
	SP-13 15/10/2001	4	. 3	. 0	<a href="#">get it</a>				
	SP-14 07/01/2002	4	. 4	. 0	<a href="#">get it</a>				
	SP-15 29/03/2002	4	. 5	. 0	<a href="#">get it</a>				
	SP-16 18/06/2002	4	. 6	. 0	<a href="#">get it</a>				
	SP-17 24/09/2002	4	. 7	. 0	<a href="#">get it</a>				
	SP-18	4	. 8	. 0					

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<b>TR 23.821</b>	<b>Architecture Principles for Release 2000</b>								
Rel-4	<i>current version:</i> 1.0.1	DRAFT	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> LIND, Christer	Indicate persons who left Company and wait for new One				
	<i>freeze_meeting:</i> SP-11		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> SULTAN, Alain				
	<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					
				<i>remarks - this release:</i>					
<hr/>									
<b>TR 23.873</b>	<b>Feasibility study fro transport and control separation in the PS CN domain</b>								
Rel-4	<i>current version:</i> 4.0.0		<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> IBANEZ, Juan-Antonio	Telefon AB LM Ericsson				
	<i>freeze_meeting:</i> SP-11		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> SULTAN, Alain				
	<i>history (event, available, version,</i>								
	draft 12/09/2000	0 . 2 . 0	<a href="#">get it</a>	<i>remarks - general:</i>					
	draft 08/11/2000	0 . 3 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					
	draft 20/11/2000	0 . 4 . 0	<a href="#">get it</a>						
	SP-10 31/01/2001	1 . 0 . 0	<a href="#">get it</a>						
	draft 30/12/2000	1 . 1 . 0	<a href="#">get it</a>						
	SP-11 11/04/2001	4 . 0 . 0	<a href="#">get it</a>						
<hr/>									
<b>TR 23.874</b>	<b>Feasibility study of architecture for network requested PDP context activation with User-ID</b>								
Rel-4	<i>current version:</i> 1.3.0	DRAFT	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> KITADA, Yoshinori	NTT COMWARE Corporation				
	<i>freeze_meeting:</i> SP-11		<i>G:</i>	<i>U:</i> yes	<i>MCC:</i> SULTAN, Alain				
	<i>history (event, available, version,</i>								
	SP-09	1 . 0 . 0		<i>remarks - general:</i>					
	draft 08/11/2000	1 . 2 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .					
	draft 24/11/2000	1 . 3 . 0	<a href="#">get it</a>						

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<b>TR 23.907</b>	<b>Quality of Service (QoS) concept</b>					
Rel-4	<i>current version:</i> 1.2.0	DRAFT	<i>WG (prime / other):</i> S2 /	<i>rapporteur:</i> VACANT,		
	<i>freeze_meeting:</i> SP-11		<i>G:</i> U: yes	<i>MCC:</i> SULTAN, Alain		
	<i>history (event, available, version,</i>					
	draft 15/11/1998 0 . 1 . 0			<a href="#">get it</a>	<i>remarks - general:</i>	
	draft 15/01/1999 0 . 2 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> .	
	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>		
<hr/>						
<b>TR 23.908</b>	<b>Technical report on Pre-Paging</b>					
Rel-4	<i>current version:</i> 4.0.0		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	SONERA Corporation	
	<i>freeze_meeting:</i> SP-11		<i>G:</i> 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>TR 23.909</b>	<b>Technical report on the Gateway Location Register</b>					
Rel-4	<i>current version:</i> 4.0.0		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David	VODAFONE LTD	
	<i>freeze_meeting:</i> SP-11			Chalmers		
	<i>history (event, available, version,</i>		<i>G:</i> yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo		
	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>TR 23.910</b>	<b>Circuit switched data bearer services</b>					
Rel-4	<i>current version:</i> 4.6.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> WIJK, Rune Werner	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version,</i>					
	NP-09 18/10/2000 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)		
	edito 24/10/2000 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	NP-10 22/12/2000 4 . 1 . 0	<a href="#">get it</a>				
	NP-11 06/04/2001 4 . 2 . 0	<a href="#">get it</a>				
	NP-12 28/06/2001 4 . 3 . 0	<a href="#">get it</a>				
	NP-14 11/01/2002 4 . 4 . 0	<a href="#">get it</a>				
	NP-17 17/09/2002 4 . 5 . 0	<a href="#">get it</a>				
	NP-18 4 . 6 . 0					
<hr/>						
<b>TR 23.911</b>	<b>Technical report on Out-of-band transcoder control</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	SONERA Corporation		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes <i>U:</i> 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>TR 23.912</b>	<b>Technical report on Super-Charger</b>					
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> SHARP, Iain	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes <i>U:</i> 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-14 10/01/2002 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>						
<b>TR 23.925</b>	<b>UMTS Core network based ATM transport</b>					
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> ROUZ, Adel	FUJITSU Laboratories of Europe Limited		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> SULTAN, Alain			
	<i>history (event, available, version,</i>					
			<i>remarks - general:</i>	Oct 00: S2 Secretary indicates this spec is out of date and should be withdrawn.		
			<i>remarks - this release:</i>			

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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:* SULTAN, Alain

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

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**TS 24.002 GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration**  
Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
NP-11 06/04/2001 4 . 0 . 0

*WG (prime / other):* N1 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
Peter Skov  
*G:* yes *U:* yes *MCC:* JORGENSEN, Per Johan

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

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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  
*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

*WG (prime / other):* N1 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*G:* yes *U:* yes *MCC:* JORGENSEN, Per Johan

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

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

Rel-4 *current version:* 4.9.0 *WG (prime / other):* N1 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* JORGENSEN, Per Johan

*history (event, available, version,*

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		4	.	9	.	0	<a href="#">get it</a>		

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## TS 24.010 Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects

Rel-4 *current version:* 4.2.0 *WG (prime / other):* N4 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* KYMALAINEN, Kimmo  
*history (event, available, version,*

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

Rel-4 *current version:* 4.1.1 *WG (prime / other):* N1 / T2 *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* JORGENSEN, Per Johan  
*history (event, available, version,*

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

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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> 4.0.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> KLEHN, Norbert	SIEMENS AG					
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes <i>U:</i> 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 Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC)						
			<i>remarks - this release:</i>						
<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	<i>G:</i> yes <i>U:</i> 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	<i>G:</i> yes <i>U:</i> 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	SIEMENS AG					
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes <i>U:</i> 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>						
	references								

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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	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 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	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>			
	corrects 24/06/2002 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	references					
<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	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>			
	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 Group Plc		
	<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 Group Plc		
	<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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**TS 24.085 Closed User Group (CUG) 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  
SIEMENS AG  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*

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**TS 24.086 Advice of Charge (AoC) 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  
SIEMENS AG  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*

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**TS 24.087 User-to-User Signalling (UUS); 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  
SIEMENS AG  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*

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**TS 24.088 Call Barring (CB) Supplementary Service; Stage 3**

Rel-4 *current version:* 4.0.2  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
NP-11 04/04/2001 4 . 0 . 0  
correct references 25/06/2002 4 . 0 . 1  
correct history 23/07/2002 4 . 0 . 2

*WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo  
SIEMENS AG  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)

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**TS 24.090 Unstructured Supplementary Service Data (USSD); Stage 3**

Rel-4 *current version:* 4.0.1  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
NP-11 04/04/2001 4 . 0 . 0  
correct references 25/06/2002 4 . 0 . 1

*WG (prime / other):* N4 / - *rapporteur:* BRUSS, Jörg  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo  
ERICSSON Eurolab Deutschland GmbH  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*

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

Rel-4 *current version:* 4.0.1  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
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  
SIEMENS AG  
[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  
SIEMENS AG  
[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  
SIEMENS AG  
[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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## TS 25.101 UE Radio transmission and reception (FDD)

Rel-4 *current version:* 4.6.0  
*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		4	.	6	.	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](#)  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 25.102 UTRA (UE) 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	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		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:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 25.104 UTRA (BS) FDD; Radio transmission and reception

Rel-4 *current version:* 4.6.0  
*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		4	.	6	.	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](#)  
[get it](#)  
[get it](#)

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## TS 25.105 UTRA (BS) TDD: Radio transmission and reception

Rel-4 *current version:* 4.6.0  
*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		4	.	6	.	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](#)  
[get it](#)

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## TS 25.106 UTRA Repeater; Radio transmission and reception

Rel-4 *current version:* 4.4.0  
*freeze\_meeting:* SP-11

*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-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		4	.	4	.	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](#)  
[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

*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		4	.	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](#)

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

Rel-4 *current version:* 4.7.0 *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		4	.	7	.	0	

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

Rel-4 *current version:* 4.7.0 *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		4	.	7	.	0	

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## TS 25.141 Base station conformance testing (FDD)

Rel-4 *current version:* 4.7.0 *WG (prime / other):* R4 / - *rapporteur:* NAKAMURA, Takaharu Fujitsu Limited  
*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	03/10/2001	4	.	2	.	0	<a href="#">get it</a>
RP-14	16/01/2002	4	.	3	.	0	<a href="#">get it</a>
RP-15	02/04/2002	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		4	.	7	.	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 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 25.142 Base station conformance testing (TDD)

Rel-4 *current version:* 4.7.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

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

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 4 . 7 . 0

[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-4 *current version:* 4.6.0  
*freeze\_meeting:* RP-11  
*history (event, available, version,*

*WG (prime / other):* R4 / - *rapporteur:* KUMMETZ, Thomas MIKOM GmbH - Mikrotechnik zur Kommunikation  
*G:* U: yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

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-000671  
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 4 . 6 . 0

[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](#)  
[get it](#)  
[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  
*history (event, available, version,*

*WG (prime / other):* R1 / - *rapporteur:* TOSKALA, Antti NOKIA Corporation  
*G:* U: yes *MCC:* SASAKI, Tsukasa

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](#)

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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 25.211 Physical channels and mapping of transport channels onto physical channels (FDD)**

Rel-4 *current version:* 4.6.0 *WG (prime / other):* R1 / - *rapporteur:* WILDE, Andreas Telefon AB LM Ericsson  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* SASAKI, Tsukasa  
*history (event, available, version,*  
RP-11 05/04/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
RP-12 28/06/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
RP-13 08/10/2001 4 . 2 . 0 [get it](#)  
RP-14 09/01/2002 4 . 3 . 0 [get it](#)  
RP-15 29/03/2002 4 . 4 . 0 [get it](#)  
RP-16 28/06/2002 4 . 5 . 0 [get it](#)  
RP-17 27/09/2002 4 . 6 . 0 [get it](#)

---

**TS 25.212 Multiplexing and channel coding (FDD)**

Rel-4 *current version:* 4.6.0 *WG (prime / other):* R1 / - *rapporteur:* TANAKA, Yoshinori Fujitsu Limited  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* SASAKI, Tsukasa  
*history (event, available, version,*  
RP-11 05/04/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
RP-12 28/06/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
RP-13 08/10/2001 4 . 2 . 0 [get it](#)  
RP-14 09/01/2002 4 . 3 . 0 [get it](#)  
RP-15 29/03/2002 4 . 4 . 0 [get it](#)  
RP-16 28/06/2002 4 . 5 . 0 [get it](#)  
RP-17 27/09/2002 4 . 6 . 0 [get it](#)

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**TS 25.213 Spreading and modulation (FDD)**

Rel-4 *current version:* 4.3.0 *WG (prime / other):* R1 / - *rapporteur:* CHAMBERS, Peter SIEMENS AG  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* SASAKI, Tsukasa  
*history (event, available, version,*  
RP-11 05/04/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
RP-12 28/06/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
RP-14 09/01/2002 4 . 2 . 0 [get it](#)  
RP-16 28/06/2002 4 . 3 . 0 [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-4 25 .- series  
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## TS 25.214 Physical layer procedures (FDD)

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-17 27/09/2002 4 . 5 . 0

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

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

## TS 25.215 Physical layer; Measurements (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-18 4 . 6 . 0

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

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

## 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,*  
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 4 . 7 . 0

*WG (prime / other):* R1 / - *rapporteur:* HIRAMATSU, Katsuhiko  
*G:* *U:* yes *MCC:* SASAKI, Tsukasa Matsushita Communication Industrial Co, Ltd

[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

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Server ACTIVE specs Rel-4 25 .- series  
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## TS 25.222 Multiplexing and channel coding (TDD)

Rel-4 *current version:* 4.6.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

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		4	.	6	.	0

*WG (prime / other):* R1 / - *rapporteur:* KAHTAVA, Jussi Nokia Japan Co. Ltd  
*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 25.223 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		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](#)

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## TS 25.224 Physical layer procedures (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-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		4	.	7	.	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](#)

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

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

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-16	28/06/2002	4	.	4	.	0
RP-17	27/09/2002	4	.	5	.	0
RP-18		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:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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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 ERICSSON Eurolab Deutschland GmbH  
*G:* *U:* yes *MCC:* ARZELIER, Claude

[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		4	.	7	.	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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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 25.303 Interlayer procedures in Connected Mode

Rel-4 *current version:* 4.5.0 *WG (prime / other):* R2 / - *rapporteur:* RINNE, Mikko J Nokia Research Center  
*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-16 17/06/2002 4 . 5 . 0 [get it](#)

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## TS 25.304 UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode

Rel-4 *current version:* 4.6.0 *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 [get it](#) *remarks - general:*  
RP-12 27/06/2001 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-18 4 . 6 . 0

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## TS 25.305 User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2

Rel-4 *current version:* 4.3.0 *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 [get it](#) *remarks - general:* Created from 25.923  
RP-12 19/06/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
RP-14 04/01/2002 4 . 2 . 0 [get it](#)  
RP-15 19/03/2002 4 . 3 . 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  
[http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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## TS 25.306 UE Radio Access capabilities definition

Rel-4 *current version:* 4.6.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* R2 / - *rapporteur:* BERGGREN, Anders Ericsson Incorporated  
*G:* *U:* yes *MCC:* ARZELIER, Claude

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-18 4 . 6 . 0

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

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

Rel-4 *current version:* 4.1.0  
*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-13 02/10/2001 4 . 0 . 0  
RP-14 04/01/2002 4 . 1 . 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.

---

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

Rel-4 *current version:* 4.7.0  
*freeze\_meeting:* RP-11  
*history (event, available, version,*

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

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 4 . 7 . 0

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

G = required in systems with GERAN access; 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 25.322 Radio Link Control (RLC) protocol specification

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	03/10/2001	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	19/09/2002	4	.	6	.	0
RP-18		4	.	7	.	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-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](#)

---

## TS 25.324 Broadcast/Multicast Control (BMC)

Rel-4 *current version:* 4.2.0

*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		4	.	2	.	0

*WG (prime / other):* R2 / - *rapporteur:* HARTL, Mike Vodafone D2 GmbH  
*G:* *U:* yes *MCC:* ARZELIER, Claude

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

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

# 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:* 4.8.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

RP-11	06/04/2001	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	08/10/2001	4	.	2	.	0		<a href="#">get it</a>	
replace ASN.1	16/10/2001	4	.	2	.	1		<a href="#">get it</a>	
RP-14	18/01/2002	4	.	3	.	0		<a href="#">get it</a>	
RP-15	25/03/2002	4	.	4	.	0		<a href="#">get it</a>	
RP-16	20/06/2002	4	.	5	.	0		<a href="#">get it</a>	
RP-17	20/09/2002	4	.	6	.	0	Do not use this version: contains wrong ASN.1	<a href="#">get it</a>	
Misimplemented	23/09/2002	4	.	7	.	0	v4.6.0 omitted ASN.1 in error	<a href="#">get it</a>	
RP-17 CR									
RP-18		4	.	8	.	0			

## 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		<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-15	02/04/2002	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>	
RP-18		4	.	6	.	0			

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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		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> 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	4 . 6 . 0				
<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		mm02 plc
	<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> 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>			
<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		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>		
	RP-12 06/07/2001	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
<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		RadioScope Limited
	<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>		
	RP-17 30/09/2002	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		

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

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## TS 25.413 UTRAN lu interface RANAP signalling

Rel-4 *current version:* 4.7.0  
*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	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		4	.	7	.	0

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

NOKIA Corporation

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

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## TS 25.414 UTRAN lu interface data transport & transport signalling

Rel-4 *current version:* 4.5.0  
*freeze\_meeting:* SP-11  
*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		4	.	5	.	0

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

Telefon AB LM Ericsson

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

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## TS 25.415 UTRAN lu interface user plane protocols

Rel-4 *current version:* 4.7.0  
*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	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		4	.	7	.	0

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

Telefon AB LM Ericsson

[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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<b>TS 25.419</b>	<b>UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)</b>					
Rel-4	<i>current version:</i> 4.6.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> TAYLOR, Carolyn	MOTOROLA 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>			
	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 25/03/2002 4 . 4 . 0	<a href="#">get it</a>				
	RP-16 28/06/2002 4 . 5 . 0	<a href="#">get it</a>				
	correct vers no. 06/08/2002 4 . 5 . 1	<a href="#">get it</a>				
	shown on doc					
	RP-17 03/10/2002 4 . 6 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 25.420</b>	<b>UTRAN Iur Interface: General Aspects and Principles</b>					
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> THAKARE, Kiran	RadioScope Limited		
	<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>				
<hr/>						
<b>TS 25.421</b>	<b>UTRAN Iur interface Layer 1</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> BRANDT, Achim V.	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-11 06/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			
<hr/>						
<b>TS 25.422</b>	<b>UTRAN Iur interface signalling transport</b>					
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> THAKARE, Kiran	RadioScope Limited		
	<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>			
	edito post RP-14 02/04/2002 4 . 1 . 1	<a href="#">get it</a>				
	RP-17 03/10/2002 4 . 2 . 0	<a href="#">get it</a>				

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

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## TS 25.423 UTRAN Iur interface RNSAP signalling

Rel-4 *current version:* 4.7.0  
*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		4	.	7	.	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](#)

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

Rel-4 *current version:* 4.3.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

RP-11	06/04/2001	4	.	0	.	0
RP-14	11/01/2002	4	.	1	.	0
RP-15	02/04/2002	4	.	2	.	0
RP-16	28/06/2002	4	.	3	.	0

*WG (prime / other):* R3 / - *rapporteur:* DREVON, Nicolas ALCATEL S.A.  
*G:* *U:* yes *MCC:* KRAUSE, Joern

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

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

Rel-4 *current version:* 4.3.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

RP-11	06/04/2001	4	.	0	.	0
RP-13	12/10/2001	4	.	1	.	0
RP-14	11/01/2002	4	.	2	.	0
RP-15	02/04/2002	4	.	3	.	0

*WG (prime / other):* R3 / - *rapporteur:* DREVON, Nicolas ALCATEL S.A.  
*G:* *U:* yes *MCC:* KRAUSE, Joern

[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 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>			
<hr/>						
<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	4 . 4 . 0				
<hr/>						
<b>TS 25.430</b>	<b>UTRAN Iub Interface: General Aspects and Principles</b>					
Rel-4	<i>current version:</i> 4.4.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> WILSON, Mick		FUJITSU Laboratories of Europe Limited	
	<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-14 11/01/2002	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>			
<hr/>						
<b>TS 25.431</b>	<b>UTRAN Iub interface Layer 1</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> BRANDT, Achim V.		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-11 06/04/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i>		

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**TS 25.432 UTRAN Iub 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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**TS 25.433 UTRAN Iub interface NBAP signalling**

Rel-4 *current version:* 4.7.0  
*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  
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 4 . 7 . 0

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

NTT DoCoMo Inc

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

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**TS 25.434 UTRAN Iub interface data transport & transport signalling for CCH data streams**

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-15 02/04/2002 4 . 3 . 0  
RP-16 28/06/2002 4 . 4 . 0

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

TELIA AB

[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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Server ACTIVE specs Rel-4 25 .- series  
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<b>TS 25.435</b>	<b>UTRAN lub interface user plane protocols for CCH data streams</b>					
Rel-4	<i>current version:</i> 4.5.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> CALMEL, Jean-Marie			NORTEL NETWORKS (EUROPE)
	<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-15 02/04/2002 4 . 4 . 0	<a href="#">get it</a>				
	RP-17 03/10/2002 4 . 5 . 0	<a href="#">get it</a>				
<hr/>						
<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>					
	RP-11 06/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<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>					
	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.			
<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>					
	Start of work 01/07/2000 0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	draft 15/07/2000 0 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: Not to be promoted to Rel-5.			
	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>				

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<b>TR 25.836</b>	<b>Node B synchronization for TDD</b>								
Rel-4	<i>current version:</i> 4.1.0			<i>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>								
	RP-10 12/01/2001	4	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
	RP-11 05/04/2001	4	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: Not to be promoted to Rel-5.
<b>TR 25.837</b>	<b>Hybrid ARQ Type II/III (lub/lur aspects)</b>								
Rel-4	<i>current version:</i> 0.1.0			<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> BRANDT, Achim V.	SIEMENS AG			
	<i>freeze_meeting:</i> SP-11			<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern				
	<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: No upgrade to Rel-5.
<b>TR 25.838</b>	<b>Node B Synchronisation for TDD (lub/lur aspects)</b>								
Rel-4	<i>current version:</i> 4.1.0			<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> LENHART, Johannes	SIEMENS AG			
	<i>freeze_meeting:</i> SP-11			<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern				
	<i>history (event, available, version,</i>								
	draft 15/07/2000	0	.	0	.	1		<a href="#">get it</a>	<i>remarks - general:</i>
	RP-09 21/09/2000	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-11 06/04/2001	4	.	0	.	0		<a href="#">get it</a>	
	RP-14 11/01/2002	4	.	1	.	0		<a href="#">get it</a>	
<b>TR 25.839</b>	<b>Uplink Synchronous Transmission Scheme (USTS) (lur/lub aspects)</b>								
Rel-4	<i>current version:</i> 0.3.0			<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> PARK, Jin Hyo	SK TELECOM			
	<i>freeze_meeting:</i> SP-11			<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern				
	<i>history (event, available, version,</i>								
	RP-12 05/07/2001	0	.	2	.	0	RP-010426	<a href="#">get it</a>	<i>remarks - general:</i>
	RAN3 approved 01/10/2001	0	.	3	.	0	referred to at RP-13.	<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: No upgrade to Rel-5.
<b>TR 25.840</b>	<b>Terminal power saving features</b>								
Rel-4	<i>current version:</i> 2.3.0			<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> LEE, Ju Ho	Samsung Electronics Ind. Co., Ltd.			
	<i>freeze_meeting:</i> SP-11			<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa				
	<i>history (event, available, version,</i>								
	RP-09 28/09/2000	1	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
	RP-10 12/01/2001	2	.	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	2	.	3	.	0		<a href="#">get it</a>	

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<b>TR 25.841</b>	<b>DSCH power control improvement in soft handover</b>									
Rel-4	<i>current version:</i> 4.1.0									
	<i>freeze_meeting:</i> SP-11									
	<i>history (event, available, version,</i>									
	RP-09 28/09/2000	1	.	0	.	0				
	RP-10 12/01/2001	4	.	0	.	0				
	RP-11 04/04/2001	4	.	1	.	0				
							<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.	
							<a href="#">get it</a>			
<hr/>										
<b>TR 25.842</b>	<b>Smart antenna</b>									
Rel-4	<i>current version:</i> 1.0.0					DRAFT				
	<i>freeze_meeting:</i> SP-11									
	<i>history (event, available, version,</i>									
	RP-09 12/01/2001	1	.	0	.	0				
							<a href="#">get it</a>	<i>remarks - general:</i>		
								<i>remarks - this release:</i>	.RP-15: Not to be promoted to Rel-5.	
<hr/>										
<b>TR 25.843</b>	<b>1,28 Mcps TDD UE Radio Access Capabilities</b>									
Rel-4	<i>current version:</i> 4.1.0									
	<i>freeze_meeting:</i> SP-11									
	<i>history (event, available, version,</i>									
	RP-10 20/12/2000	4	.	0	.	0				
	RP-11 27/03/2001	4	.	1	.	0				
							<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.	
<hr/>										
<b>TR 25.844</b>	<b>Radio acces bearer support enhancements</b>									
Rel-4	<i>current version:</i> 4.3.0									
	<i>freeze_meeting:</i> SP-11									
	<i>history (event, available, version,</i>									
	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				
							<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.	
							<a href="#">get it</a>			
							<a href="#">get it</a>			
							<a href="#">get it</a>			
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<b>TR 25.847</b>	<b>UE positioning enhancements</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> R2 /	<i>rapporteur:</i> BECKMANN, Mark	SIEMENS AG		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> ARZELIER, Claude			
	<i>history (event, available, version,</i>					
	draft 10/11/2000	0 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	RP-10 20/12/2000	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: Not to be promoted to Rel-5.		
	RP-11 27/03/2001	4 . 0 . 0	<a href="#">get it</a>			
<hr/>						
<b>TR 25.848</b>	<b>Physical Layer Aspects of UTRA High Speed Downlink Packet Access</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> R1 /	<i>rapporteur:</i> IKEDA, Shinobu	NEC Corporation		
	<i>freeze_meeting:</i> SP-10	<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa			
	<i>history (event, available, version,</i>					
	RP-11 05/04/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i> RP-15: Not to be promoted to Rel-5.		
<hr/>						
<b>TR 25.849</b>	<b>DSCH power control improvement in soft handover</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> WOONHEE, Hwang	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-11	<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.		
<hr/>						
<b>TR 25.850</b>	<b>UE positioning in UTRAN lub/lur protocol aspects</b>					
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> HAUTALA, Jari	NOKIA Corporation		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern			
	<i>history (event, available, version,</i>					
	RP-10 21/12/2000	0 . 0 . 2	<a href="#">get it</a>	<i>remarks - general:</i>	RP-000658	
	draft 21/12/2000	0 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: No upgrade to Rel-5.		
	RP-11 06/04/2001	4 . 0 . 0	<a href="#">get it</a>			
	RP-12 06/07/2001	4 . 1 . 0	<a href="#">get it</a>			
	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>			

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<b>TR 25.851</b>	<b>RAB Quality of Service (QoS) Renegotiation over lu</b>								
Rel-4	current version: 4.0.0			WG (prime / other): R3 /	rapporteur: IRWIN, Sania	MOTOROLA GmbH			
	freeze_meeting: SP-11			G: U: yes	MCC: KRAUSE, Joern				
	history (event, available, version,								
	RP-10 21/12/2000 0 . 0 . 2	RP-000660		<a href="#">get it</a>	remarks - general:				
	RP-11 06/04/2001 4 . 0 . 0			<a href="#">get it</a>	remarks - this release: RP-15: No upgrade to Rel-5.				
<b>TR 25.852</b>	<b>Radio access bearer support enhancements for the lu</b>								
Rel-4	current version: 0.0.0	DRAFT		WG (prime / other): R3 /	rapporteur: DIESEN, Michael	MOTOROLA Ltd			
	freeze_meeting: SP-11			G: U: yes	MCC: KRAUSE, Joern				
	history (event, available, version,								
	RP-11 06/04/2001 0 . 0 . 0			<a href="#">get it</a>	remarks - general:				
					remarks - this release: RP-15: No upgrade to Rel-5.				
<b>TR 25.853</b>	<b>Delay budget within the access stratum</b>								
Rel-4	current version: 4.0.0			WG (prime / other): R3 / -	rapporteur: DELL'ACQUA, Massimo	Indicate persons who left Company and wait for new One			
	freeze_meeting: RP-11			G: U: yes	MCC: KRAUSE, Joern				
	history (event, available, version,								
	RP-11 06/04/2001 4 . 0 . 0			<a href="#">get it</a>	remarks - general: Was 25.932. Approved and renumbered at TSG#10.				
					remarks - this release: RP-15: No upgrade to Rel-5.				
<b>TR 25.921</b>	<b>Guidelines and principles for protocol description and error handling</b>								
Rel-4	current version: 4.5.0			WG (prime / other): R2 / -	rapporteur: KALLA, Gairn	NOKIA UK Ltd			
	freeze_meeting: SP-11			G: U: yes	MCC: ARZELIER, Claude				
	history (event, available, version,								
	RP-11 27/03/2001 4 . 0 . 0			<a href="#">get it</a>	remarks - general:				
	RP-12 19/06/2001 4 . 1 . 0			<a href="#">get it</a>	remarks - this release:				
	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-18 4 . 5 . 0								

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<b>TR 25.922</b>	<b>Radio Resource Management Strategies</b>					
Rel-4	<i>current version:</i> 4.2.0		<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> BULDORINI, Andrea	Telecom Italia Lab S.p.A.	
	<i>freeze_meeting:</i> SP-11		<i>G:</i> U: yes	<i>MCC:</i> ARZELIER, Claude		
	<i>history (event, available, version,</i>					
	RP-11 27/03/2001	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	RP-13 02/10/2001	4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	RP-15 19/03/2002	4 . 2 . 0		<a href="#">get it</a>		
<hr/>						
<b>TR 25.928</b>	<b>1,28 Mcps functionality for UTRA TDD physical layer</b>					
Rel-4	<i>current version:</i> 4.0.1		<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> AKSENTIJEVIC, Mirko	NOKIA Corporation	
	<i>freeze_meeting:</i> SP-11		<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa		
	<i>history (event, available, version,</i>					
	RP-07	0 . 0 . 2			<i>remarks - general:</i> Created R1#10, Jan 99.	
	RP-07 15/03/2000	0 . 0 . 3		<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: Not to be promoted to Rel-5.	
	RP-08	0 . 2 . 0				
	RP-08 23/06/2000	1 . 0 . 0		<a href="#">get it</a>		
	RP-09 11/01/2001	1 . 1 . 0		<a href="#">get it</a>		
	RP-11 06/04/2001	4 . 0 . 0		<a href="#">get it</a>		
	edito 10/04/2001	4 . 0 . 1		<a href="#">get it</a>		
<hr/>						
<b>TR 25.931</b>	<b>UTRAN Functions, examples on signalling procedures</b>					
Rel-4	<i>current version:</i> 4.4.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> CASALINO, Francesco	TELECOM ITALIA S.p.A.	
	<i>freeze_meeting:</i> SP-07		<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern		
	<i>history (event, available, version,</i>					
	RP-11 30/03/2001	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	RP-12 05/07/2001	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>		
	RP-16 28/06/2002	4 . 4 . 0		<a href="#">get it</a>		

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<b>TR 25.934</b>	<b>AAL2 QoS optimization</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>								
	draft 25/04/2000	0 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	draft 16/05/2000	0 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: No upgrade to Rel-5.				
	RP-09 28/09/2000	0 . 2 . 0		<a href="#">get it</a>					
	RP-10 21/12/2000	0 . 2 . 1	RP-000646	<a href="#">get it</a>					
	RP-11 06/04/2001	4 . 0 . 0		<a href="#">get it</a>					
<hr/>									
<b>TR 25.935</b>	<b>RRM optimisation</b>								
Rel-4	<i>current version:</i> 4.1.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> VAN LIESHOUT,	ERICSSON EUROLAB NETHERLANDS BV				
	<i>freeze_meeting:</i> SP-11		<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern					
	<i>history (event, available, version,</i>								
	Start of work 01/08/2000	0 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	draft 15/07/2000	0 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: No upgrade to Rel-5.				
	R3-15 15/08/2000	0 . 1 . 0		<a href="#">get it</a>					
	RP-10 21/12/2000	0 . 1 . 1		<a href="#">get it</a>					
	draft 16/10/2000	1 . 0 . 0		<a href="#">get it</a>					
	RP-11 06/04/2001	4 . 0 . 0		<a href="#">get it</a>					
	RP-15 25/03/2002	4 . 1 . 0		<a href="#">get it</a>					
<hr/>									
<b>TR 25.936</b>	<b>Handover for realtime services from PS-domain</b>								
Rel-4	<i>current version:</i> 4.0.1		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> MOUSSET, Claire	NORTEL NETWORKS (EUROPE)				
	<i>freeze_meeting:</i> SP-11		<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern					
	<i>history (event, available, version,</i>								
	Start of work 01/07/2000	0 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	draft 15/07/2000	0 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: Not to be promoted to Rel-5.				
	R3-15 01/09/2000	0 . 1 . 0		<a href="#">get it</a>					
	RP-10 21/12/2000	0 . 3 . 0		<a href="#">get it</a>					
	RP-11 06/04/2001	4 . 0 . 0		<a href="#">get it</a>					
	formatting 09/01/2002	4 . 0 . 1		<a href="#">get it</a>					
	corrections								

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<b>TR 25.937</b>	<b>UTRAN TDD low chiprate</b>					
Rel-4	<i>current version:</i> 4.1.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> XU, Bing		HuaWei Technologies Co., Ltd
	<i>freeze_meeting:</i> SP-11		<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern		
	<i>history (event, available, version,</i>					
	draft 01/08/2000	0 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	draft 15/08/2000	0 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: No upgrade to Rel-5.	
	R3-15 30/08/2000	0 . 1 . 0		<a href="#">get it</a>		
	RP-10 21/12/2000	0 . 3 . 1	RP-000686	<a href="#">get it</a>		
	RP-11 06/04/2001	4 . 0 . 0		<a href="#">get it</a>		
	RP-13 12/10/2001	4 . 1 . 0		<a href="#">get it</a>		
<b>TR 25.942</b>	<b>RF system scenarios</b>					
Rel-4	<i>current version:</i> 4.2.0		<i>WG (prime / other):</i> R4 / -	<i>rapporteur:</i> BENABDALLAH, Nadia		Vodafone Omnitel SpA
	<i>freeze_meeting:</i> SP-12		<i>G:</i> U: yes	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar		
	<i>history (event, available, version,</i>					
	RP-11 10/10/2001	4 . 0 . 0	expected post RP-12	<a href="#">get it</a>	<i>remarks - general:</i> Additional rapporteur = A.De Pasquale.	
	RP-14 14/01/2002	4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	RP-16 03/07/2002	4 . 2 . 0		<a href="#">get it</a>		
<b>TR 25.943</b>	<b>Deployment aspects</b>					
Rel-4	<i>current version:</i> 4.2.0		<i>WG (prime / other):</i> R4 / -	<i>rapporteur:</i> SKÖLD, Johan		Telefon AB LM Ericsson
	<i>freeze_meeting:</i> RP-12		<i>G:</i> U: yes	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar		
	<i>history (event, available, version,</i>					
	R4-09	0 . 0 . 1			<i>remarks - general:</i>	
	R4-11	0 . 1 . 0			<i>remarks - this release:</i>	
	RP-08 23/06/2000	2 . 0 . 0		<a href="#">get it</a>		
	RP-12	2 . 1 . 0	RP-010437			
	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>		
<b>TR 25.944</b>	<b>Channel coding and multiplexing examples</b>					
Rel-4	<i>current version:</i> 4.1.0		<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> IKEDA, Shinobu		NEC Corporation
	<i>freeze_meeting:</i> SP-11		<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa		
	<i>history (event, available, version,</i>					
	RP-11 06/04/2001	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> Created Jan 2000 (aka R1.04)	
	edito 10/04/2001	4 . 0 . 1		<a href="#">get it</a>	<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>		

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<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> U: yes	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar		
	<i>history (event, available, version,</i>					
	RP-09	0 . 3 . 0				<i>remarks - general:</i>
	RP-10 21/12/2000	2 . 0 . 0				<i>remarks - this release:</i>
	RP-11 28/05/2001	4 . 0 . 0				Cosmetically too nasty to publish as ETSI TR (TS??)
	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>
<hr/>						
<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-11 06/04/2001	4 . 0 . 0				<a href="#">get it</a>
<hr/>						
<b>TR 25.950</b>	<b>UTRA high speed downlink packet access</b>					
Rel-4	<i>current version:</i> 4.0.0		<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> KUCHIBHOTLA, Ravi	MOTOROLA Ltd	
	<i>freeze_meeting:</i> SP-11		<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.
<hr/>						
<b>TR 25.953</b>	<b>TrFO/TFO</b>					
Rel-4	<i>current version:</i> 4.0.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> VESELY, Alexander	SIEMENS AG	
	<i>freeze_meeting:</i> SP-11		<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-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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**TR 25.954 Migration to modification procedure**

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:* YOSHIMURA, Takayuki J-Phone Co., Ltd.  
*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 25.956 UTRA repeater: Planning guidelines and system analysis**

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* RP-11  
*history (event, available, version,*  
RP-11 10/04/2001 4 . 0 . 0

*WG (prime / other):* R4 / - *rapporteur:* GARCIA LOPEZ, Lorena TELEFONICA DE ESPAÑA SA  
*G:* U: yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

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

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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  
*freeze\_meeting:*  
*history (event, available, version,*  
RP-18 4 . 0 . 0

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

*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  
*freeze\_meeting:* SP-11  
*history (event, available, version,*  
SP-11 10/04/2001 4 . 0 . 0

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

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

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<b>TS 26.073</b>	<b>AMR speech Codec; C-source code</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>			
	SP-14 09/01/2002 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
<b>TS 26.074</b>	<b>AMR speech Codec; Test sequences</b>					
Rel-4	<i>current version:</i> 4.0.1	<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> Transfer>TSG#4			
	corected tests 04/07/2001 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
<b>TS 26.077</b>	<b>Minimum Performance Requirements for Noise Suppressor Application to the AMR Speech Encoder</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	Telecom Italia Lab 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>			
			<i>remarks - this release:</i>			
<b>TS 26.090</b>	<b>AMR speech Codec; Transcoding Functions</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-11 07/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
			<i>remarks - this release:</i>			
<b>TS 26.091</b>	<b>AMR speech Codec; Error concealment of lost frames</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</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>			

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<b>TS 26.092</b>	<b>AMR speech Codec; comfort noise for AMR Speech Traffic Channels</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</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 26.093</b>	<b>AMR speech Codec; Source Controlled Rate operation</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> EKUDDEN, Erik	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-10 21/12/2000 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4			
			<i>remarks - this release:</i>			
<hr/>						
<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 Lab 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>AMR speech Codec; Interface to lu and Uu</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> NAVARRO, William	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> SP-11	G: yes U: 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>			

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<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>				
<hr/>						
<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> 4.3.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	Telecom Italia Lab 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>				
<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>			

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<b>TS 26.115</b>	<b>Echo control for speech and multi-media services</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino		Telecom Italia Lab S.p.A.	
	<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>			
			<i>remarks - this release:</i> Derived from 26.914 R99.			
<hr/>						
<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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<b>TS 26.234</b>	<b>End-to-end transparent streaming service; Protocols and codecs</b>					
Rel-4	<i>current version:</i> 4.5.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> NOHLGREN, Anders	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	draft 19/10/2000	0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>		
	draft 26/10/2000	0 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release:</i>		
	draft 02/11/2000	0 . 0 . 3	<a href="#">get it</a>			
	SP-10 21/12/2000	1 . 0 . 0	<a href="#">get it</a>		SP-000566	
	SP-11 10/04/2001	4 . 0 . 0	<a href="#">get it</a>			
	SP-13 02/10/2001	4 . 1 . 0	<a href="#">get it</a>			
	SP-14 09/01/2002	4 . 2 . 0	<a href="#">get it</a>			
	SP-15 28/03/2002	4 . 3 . 0	<a href="#">get it</a>			
	SP-16 28/06/2002	4 . 4 . 0	<a href="#">get it</a>			
	SP-18	4 . 5 . 0				
<hr/>						
<b>TR 26.901</b>	<b>AMR wideband speech codec; Feasibility study report</b>					
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> OHANA, Alain	Cingular Wireless LLC		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-07 17/03/2000	2 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-07 17/03/2000	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	edito 26/04/2000	4 . 0 . 1	<a href="#">get it</a>			
<hr/>						
<b>TR 26.911</b>	<b>Codec for Circuit switched Multimedia Telephony Service; Terminal Implementor's Guide</b>					
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> HAAVISTO, Petri	Nokia Research Center		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes 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-11 10/04/2001	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
<hr/>						
<b>TR 26.912</b>	<b>Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> FRANCESCHI, Olle	Nippon Ericsson K.K.		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-11 10/04/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i> 2002-06-18: not useful to upgrade to Rel-5?		

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

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**TR 26.975 Performance characterization of the Adaptive Multi-Rate (AMR) speech codec**  
Rel-4 *current version:* 4.1.0 *WG (prime / other):* S4 / - *rapporteur:* EKUDDEN, Erik Telefon AB LM Ericsson  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* USAI, Paolino  
*history (event, available, version,*  
SP-11 10/04/2001 4 . 0 . 0 [get it](#) *remarks - general:* Replaces 26.075. 2001-10-02: Also for GSM.  
SP-13 02/10/2001 4 . 1 . 0 [get it](#) *remarks - this release:*

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**TR 26.978 Results of the AMR noise suppression selection phase**  
Rel-4 *current version:* 4.0.0 *WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino Telecom Italia Lab 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:* Replaces 26.078  
*remarks - this release:* Replaces 26.078

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Rel-4 **27** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/27\\_series](http://www.3gpp.org/ftp/Specs/archive/27_series)

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**TS 27.001 General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)**  
Rel-4 *current version:* 4.8.0 *WG (prime / other):* N3 / - *rapporteur:* WIJK, Rune Werner Telefon AB LM Ericsson  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* BOSWARTHICK, David  
*history (event, available, version,*  
NP-08 28/06/2000 4 . 0 . 0 [get it](#) *remarks - general:*  
NP-09 23/10/2000 4 . 1 . 0 [get it](#) *remarks - this release:*  
NP-10 04/01/2001 4 . 2 . 0 [get it](#)  
NP-11 05/04/2001 4 . 3 . 0 [get it](#)  
NP-12 04/07/2001 4 . 4 . 0 [get it](#)  
NP-13 10/10/2001 4 . 5 . 0 [get it](#)  
NP-14 11/01/2002 4 . 6 . 0 [get it](#)  
NP-15 20/03/2002 4 . 7 . 0 [get it](#)  
NP-17 17/09/2002 4 . 8 . 0 [get it](#)

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<b>TS 27.002</b>	<b>Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities</b>								
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> WIJK, Rune Werner	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>								
	<to be defined>	12/10/2000	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>				
<hr/>									
<b>TS 27.003</b>	<b>Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities</b>								
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> WIJK, Rune Werner	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-10	22/12/2000	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
	NP-11	02/04/2001	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>				
<hr/>									
<b>TS 27.005</b>	<b>Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)</b>								
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Teleca Limited					
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> RODERMUND, Friedhelm						
	<i>history (event, available, version,</i>								
	TP-11	06/04/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
	TP-13	04/10/2001	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>					
<hr/>									
<b>TS 27.007</b>	<b>AT command set for 3G User Equipment (UE)</b>								
Rel-4	<i>current version:</i> 4.5.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> TOMÉ, Olga	Telefon AB LM Ericsson					
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> RODERMUND, Friedhelm						
	<i>history (event, available, version,</i>								
	TP-09	11/10/2000	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>				
	TP-11	11/04/2001	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>				
	TP-12	04/07/2001	4 . 2 . 0	<a href="#">get it</a>					
	TP-14	15/01/2002	4 . 3 . 0	<a href="#">get it</a>					
	TP-15	04/04/2002	4 . 4 . 0	<a href="#">get it</a>					
	TP-18		4 . 5 . 0						

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<b>TS 27.010</b>	<b>Terminal Equipment to User Equipment (TE-UE) multiplexer protocol</b>								
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i>	T2 / -	<i>rapporteur:</i>	BROOK, Richard	SAMSUNG Electronics Research Institute			
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes	<i>U:</i> yes	<i>MCC:</i>	RODERMUND, Friedhelm				
	<i>history (event, available, version,</i>								
	TP-11 06/04/2001	4	. 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>	
	TP-13 04/10/2001	4	. 1 . 0				<a href="#">get it</a>	<i>remarks - this release:</i>	
	TP-15 25/03/2002	4	. 2 . 0				<a href="#">get it</a>		
<hr/>									
<b>TS 27.060</b>	<b>Packet domain; Mobile Station (MS) supporting Packet Switched services</b>								
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i>	N3 / -	<i>rapporteur:</i>	WILD, Johanna	MOTOROLA Ltd			
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes	<i>U:</i> 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>	GPRS
	NP-16 24/06/2002	4	. 1 . 0				<a href="#">get it</a>	<i>remarks - this release:</i>	
	NP-17 17/09/2002	4	. 2 . 0				<a href="#">get it</a>		
<hr/>									
<b>TS 27.103</b>	<b>Wide Area Network Synchronization</b>								
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i>	T2 / -	<i>rapporteur:</i>	CHAU, Alan	NOKIA UK Ltd			
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes	<i>U:</i> yes	<i>MCC:</i>	RODERMUND, Friedhelm				
	<i>history (event, available, version,</i>								
	TP-11 02/04/2001	4	. 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>	
								<i>remarks - this release:</i>	
<hr/>									
<b>TR 27.901</b>	<b>Report on Terminal Interfaces - An Overview</b>								
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i>	T2 / -	<i>rapporteur:</i>	REX, Thomas	ERICSSON MOBILE COMMUNICATIONS AB			
	<i>freeze_meeting:</i> SP-11	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i>	RODERMUND, Friedhelm				
	<i>history (event, available, version,</i>								
	TP-11 02/04/2001	4	. 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>	
	TP-15 26/03/2002	4	. 1 . 0				<a href="#">get it</a>	<i>remarks - this release:</i>	
<hr/>									
<b>TR 27.903</b>	<b>Discussion of synchronization standards</b>								
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i>	T2 / -	<i>rapporteur:</i>	LOCKHART, Rob	Motorola Inc.			
	<i>freeze_meeting:</i> SP-11	<i>G:</i>	<i>U:</i> yes	<i>MCC:</i>	RODERMUND, Friedhelm				
	<i>history (event, available, version,</i>								
	TP-11 02/04/2001	4	. 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>	
								<i>remarks - this release:</i>	TP-15: Not to be promoted to Rel-5.

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

Rel-4 *current version:* 4.5.0 *WG (prime / other):* S4 / - *rapporteur:* SUERBAUM, Clemens SIEMENS AG  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* USAI, Paolino

*history (event, available, version,*

SP-05	13/10/1999	0	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4
SP-09	18/10/2000	0	.	0	.	3		<a href="#">get it</a>	<i>remarks - this release:</i> TSG#11: Usai: may need 48.062. Later, no: applies to 3G too.
SP-10	21/12/2000	1	.	0	.	0	NP-000568	<a href="#">get it</a>	
draft	08/02/2001	1	.	1	.	0		<a href="#">get it</a>	
SP-11	10/04/2001	4	.	0	.	0		<a href="#">get it</a>	
SP-12	27/06/2001	4	.	1	.	0		<a href="#">get it</a>	
edito	01/10/2001	4	.	1	.	1		<a href="#">get it</a>	
SP-14	09/01/2002	4	.	2	.	0		<a href="#">get it</a>	
SP-15	28/03/2002	4	.	3	.	0		<a href="#">get it</a>	
SP-16	28/06/2002	4	.	4	.	0		<a href="#">get it</a>	
SP-18		4	.	5	.	0			

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Rel-4 29 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/29\\_series](http://www.3gpp.org/ftp/Specs/archive/29_series)

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## TS 29.002 Mobile Application Part (MAP) specification

Rel-4 current version: 4.10.0

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		4	.	10	.	0

WG (prime / other): N4 / - rapporteur: WIEHE, Ulrich SIEMENS AG  
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 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: Network (PSTN)

SIEMENS AG

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		4	.	6	.	0

4.6.0 WG (prime / other): N3 / - rapporteur: KLEHN, Norbert  
G: yes U: yes MCC: BOSWARTHICK, David

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

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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>	4.5.0 WG (prime / other):	N4	/-	<i>rapporteur:</i>	KYMALAINEN, Kimmo				
	SONERA Corporation									
	<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>	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	4 . 5 . 0								
<hr/>										
<b>TS 29.011</b>	<b>Signalling Interworking for Supplementary Services</b>									
Rel-4	<i>current version: 4.0.1</i>	<i>WG (prime / other):</i>	N4	/-	<i>rapporteur:</i>	WIEHE, Ulrich	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>				
	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>	<i>WG (prime / other):</i>	N4	/-	<i>rapporteur:</i>	WIEHE, Ulrich	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>	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>	<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-16 26/06/2002	4 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>				

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<b>TS 29.018</b>	<b>General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification</b>				
Rel-4	<i>current version:</i> 4.4.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> MILLS, Duncan	VODAFONE Group Plc	
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version,</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>		

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<b>TS 29.060</b>	<b>General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface</b>				
Rel-4	<i>current version:</i> 4.6.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	SONERA Corporation	
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes <i>U:</i> 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	4 . 6 . 0			

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<b>TS 29.061</b>	<b>Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)</b>				
Rel-4	<i>current version:</i> 4.6.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> WILD, Johanna	MOTOROLA Ltd	
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes <i>U:</i> 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	4 . 6 . 0			

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



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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> 4.7.0	<i>WG (prime / other):</i> N2 / -	<i>rapporteur:</i> NOLDUS, Rogier	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes <i>U:</i> 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	4 . 7 . 0			
<hr/>					
<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> 4.3.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> VESELY, Alexander	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> 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	4 . 3 . 0			
<hr/>					
<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	<i>G:</i> <i>U:</i> 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>	
<hr/>					
<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	<i>G:</i> <i>U:</i> 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:* 4.3.1 *WG (prime / other):* N5 / *rapporteur:* MOERDIJK, Ard-Jan / Telefon AB LM Ericsson  
*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>
edito	20/03/2002	4	.	3	.	1	<a href="#">get it</a>

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## TS 29.198-02 Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data

Rel-4 *current version:* 4.4.0 *WG (prime / other):* N5 / *rapporteur:* MOERDIJK, Ard-Jan / Telefon AB LM Ericsson  
*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>

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

Rel-4 *current version:* 4.6.0 *WG (prime / other):* N5 / *rapporteur:* BENNETT, Andy / Lucent Technologies Network Systems UK  
*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-16	05/07/2002	4	.	5	.	0	<a href="#">get it</a>
NP-17	01/10/2002	4	.	6	.	0	<a href="#">get it</a>

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

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## TS 29.198-04 Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control

Rel-4 *current version:* 4.5.0 *WG (prime / other):* N5 / *rapporteur:* BAKKER, John-Luc Telcordia Technologies, Inc.  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*

NP-11		1	.	0	.	0			<i>remarks - general:</i>
edito	27/03/2001	1	.	0	.	1		<a href="#">get it</a>	<i>remarks - this release:</i>
NP-12		2	.	0	.	0			
NP-12	29/06/2001	4	.	0	.	0		<a href="#">get it</a>	
NP-13	12/10/2001	4	.	1	.	0		<a href="#">get it</a>	
NP-14	08/01/2002	4	.	2	.	0		<a href="#">get it</a>	
NP-15	20/03/2002	4	.	3	.	0		<a href="#">get it</a>	
NP-16	05/07/2002	4	.	4	.	0		<a href="#">get it</a>	
NP-17	01/10/2002	4	.	5	.	0		<a href="#">get it</a>	

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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:* 4.5.0 *WG (prime / other):* N5 / *rapporteur:* ZOICAS, Adrian  
*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>	

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

Rel-4 *current version:* 4.4.0 *WG (prime / other):* N5 / *rapporteur:* TWEEDIE, David NORTEL NETWORKS (EUROPE)  
*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>	

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

Rel-4 *current version:* 4.4.0 *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 [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](#)

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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:* 4.5.0 *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](#)

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

Rel-4 *current version:* 4.3.0 *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](#)

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

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

Rel-4 *current version:* 4.3.0 *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		<i>remarks - general:</i>
edito	27/03/2001	1	.	0	.	1		<i>remarks - this release:</i>
NP-12		2	.	0	.	0		
NP-12	29/06/2001	4	.	0	.	0		<a href="#">get it</a>
NP-13	08/10/2001	4	.	1	.	0		<a href="#">get it</a>
NP-14	08/01/2002	4	.	2	.	0		<a href="#">get it</a>
NP-15	20/03/2002	4	.	3	.	0		<a href="#">get it</a>

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## TS 29.202 Signalling System No. 7 (SS7) signalling transport in core network; Stage 3

Rel-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		<i>remarks - general:</i>
edito	09/05/2001	4	.	0	.	1		<i>remarks - this release:</i>
NP-13	03/10/2001	4	.	1	.	0		<a href="#">get it</a>
correct references	25/06/2002	4	.	1	.	1		<a href="#">get it</a>
NP-17	18/09/2002	4	.	2	.	0		<a href="#">get it</a>
NP-18		4	.	3	.	0		

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## TS 29.205 Application of Q.1900 series to bearer-independent circuit-switched 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		<i>remarks - general:</i>
NP-12	04/07/2001	4	.	1	.	0		<i>remarks - this release:</i>
NP-13	03/10/2001	4	.	2	.	0		<a href="#">get it</a>

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## TS 29.232 Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3

Rel-4 *current version:* 4.7.0 *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
NP-11	30/03/2001	4	.	0	.	0	
NP-12	04/07/2001	4	.	1	.	0	
NP-13	05/10/2001	4	.	2	.	0	
NP-14	11/01/2002	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-18		4	.	7	.	0	

[get it](#) *remarks - general:* Additional rapporteur: Laura.Pomponi@CSELT.IT  
[get it](#) *remarks - this release:*

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## TS 29.414 Core network Nb data transport and transport signalling

Rel-4 *current version:* 4.4.0 *WG (prime / other):* N3 / - *rapporteur:* BELLING, Thomas SIEMENS AG  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* BOSWARTHICK, David

*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	

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

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## TS 29.415 Core network Nb interface user plane protocols

Rel-4 *current version:* 4.2.0 *WG (prime / other):* N3 / - *rapporteur:* SANDERS, David VODAFONE Group Plc  
*freeze\_meeting:* SP-11 *G:* *U:* yes *MCC:* BOSWARTHICK, David

*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	

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

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<b>TR 29.993</b>	<b>Modifications to be incorporated in equipment to cater for errors in the standards</b>							
Rel-4	current version: none freeze_meeting: history (event, available, version,	WG (prime / other): RP / - G: yes U: yes		rappporteur: COURAU, François MCC: GUTIERREZ MIGUELEZ, Cesar	ALCATEL S.A.			
				remarks - general: remarks - this release: .				
<b>TR 29.994</b>	<b>Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults</b>							
Rel-4	current version: 4.0.0 freeze_meeting: history (event, available, version, NP-16 26/06/2002 4 . 0 . 0	WG (prime / other): N1 / RP G: yes U: yes		rappporteur: ANDERSEN, Niels Peter Skov MCC: JORGENSEN, Per Johan	MOTOROLA A/S			
				remarks - general: 2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to remarks - this release: . latest Release version.				
<b>TR 29.998-01</b>	<b>Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General Issues on API Mapping</b>							
Rel-4	current version: 4.0.0 freeze_meeting: SP-11 history (event, available, version, NP-11 02/04/2001 4 . 0 . 0	WG (prime / other): N5 / G: U: yes		rappporteur: UNMEHOPA, Musa MCC: ZOICAS, Adrian	Lucent Technologies Nederland B.V.			
				remarks - general: remarks - this release:				
<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-4	current version: 4.2.0 freeze_meeting: NP-11 history (event, available, version, NP-11 02/04/2001 4 . 0 . 0 NP-12 29/06/2001 4 . 1 . 0 NP-13 05/10/2001 4 . 2 . 0	WG (prime / other): N5 / G: U: yes		rappporteur: UNMEHOPA, Musa MCC: ZOICAS, Adrian	Lucent Technologies Nederland B.V.			
				remarks - general: remarks - this release: remarks - this release:				
<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-4	current version: 4.0.0 freeze_meeting: NP-11 history (event, available, version, NP-11 02/04/2001 4 . 0 . 0	WG (prime / other): N5 / G: U: yes		rappporteur: UNMEHOPA, Musa MCC: ZOICAS, Adrian	Lucent Technologies Nederland B.V.			
				remarks - general: remarks - this release:				

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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 4: API to SMS Mapping**

Rel-4 *current version:* 4.0.0 *WG (prime / other):* N5 / *rapporteur:* UNMEHOPA, Musa Lucent Technologies Nederland B.V.

*freeze\_meeting:* NP-12

*G:* U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*

NP-11 26/03/2001 1 . 0 . 0

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

edito 02/04/2001 1 . 0 . 1

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

NP-12 2 . 0 . 0

NP-12 29/06/2001 4 . 0 . 0

[get it](#)

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**TR 29.998-06 Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 6: User Location and User Status Service Mapping to MAP**

Rel-4 *current version:* 4.0.0 *WG (prime / other):* N5 / *rapporteur:* UNMEHOPA, Musa Lucent Technologies Nederland B.V.

*freeze\_meeting:* NP-11

*G:* U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*

NP-11 02/04/2001 4 . 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-4 *current version:* 4.0.0 *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 02/04/2001 4 . 0 . 0

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

*remarks - this release:*

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Rel-4 30 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/30\\_series](http://www.3gpp.org/ftp/Specs/archive/30_series)

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**TR 30.002 Guidelines for the modification of the Mobile Application Part (MAP)**

Rel-4 *current version:* 4.0.1 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich SIEMENS AG

*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:*

TR no. corrected 02/02/2001 4 . 0 . 1

[get it](#) *remarks - this release:* 2002-03-10: WG Chairman: Unwithdrawn. postNP-16: No Rel-5 needed.

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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/30\\_series](http://www.3gpp.org/ftp/Specs/archive/30_series)

## TR 30.504 Work Plan and Study Items - RAN WG4

Rel-4 current version: 2.2.0 DRAFT

freeze\_meeting: SP-11

history (event, available, version,

RP-03 23/04/1999 0 . 0 . 0

draft 21/12/2000 0 . 8 . 6

RP-04 23/06/1999 1 . 0 . 0

RP-05 13/10/1999 1 . 4 . 0

RP-06 17/12/1999 2 . 0 . 0

RP-08 23/06/2000 2 . 2 . 0

WG (prime / other): R4 / - rapporteur: IWASA, Masaaki MOTOROLA JAPAN LTD

G: U: yes MCC: GUTIERREZ MIGUELEZ, Cesar

[get it](#) remarks - general:

[get it](#) remarks - this release: RP-15: Not to be promoted to Rel-5.

[get it](#)

[get it](#)

[get it](#)

[get it](#)

Rel-4

31 .- series

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

## TS 31.048 Test specification for security mechanisms for the (U)SIM application toolkit

Rel-4 current version: none

freeze\_meeting: TP-21

history (event, available, version,

WG (prime / other): T3 / - rapporteur: VIALLET, Sophie GEMPLUS Card International

G: yes U: yes MCC: DIETZE, Claus

remarks - general: Test spec for 23.048.

remarks - this release:

## TS 31.101 UICC-terminal interface; Physical and logical characteristics

Rel-4 current version: 4.1.0

freeze\_meeting: SP-11

history (event, available, version,

TP-11 09/04/2001 4 . 0 . 0

TP-18 4 . 1 . 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.

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/31\\_series](http://www.3gpp.org/ftp/Specs/archive/31_series)

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<b>TS 31.102</b>	<b>Characteristics of the USIM Application</b>								
Rel-4	<i>current version:</i> 4.7.0			<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> HEIM, Christian				GIESECKE & DEVRIENT GmbH
	<i>freeze_meeting:</i> SP-11			<i>G:</i>	<i>MCC:</i> DIETZE, Claus				
	<i>history (event, available, version,</i>			<i>U:</i> yes					
	TP-11 09/04/2001	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	
	TP-12 23/07/2001	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	TP-13 11/10/2001	4	.	2	.	0	<a href="#">get it</a>		
	TP-14 17/01/2002	4	.	3	.	0	<a href="#">get it</a>		
	TP-15 28/03/2002	4	.	4	.	0	<a href="#">get it</a>		
	TP-16 28/06/2002	4	.	5	.	0	<a href="#">get it</a>		
	TP-17 25/09/2002	4	.	6	.	0	<a href="#">get it</a>		
	TP-18	4	.	7	.	0			

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<b>TS 31.110</b>	<b>Numbering system for telecommunication IC card applications</b>								
Rel-4	<i>current version:</i> 4.1.0			<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> DIETRICH, Christian				SchlumbergerSema - Schlumberger Systèmes S.A
	<i>freeze_meeting:</i> SP-11			<i>G:</i>	<i>MCC:</i> DIETZE, Claus				
	<i>history (event, available, version,</i>			<i>U:</i> yes					
	TP-11 16/05/2001	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>	Sanders April 2001: Will be scrapped in favour of an ETSI SCP document. May
								<i>remarks - this release:</i>	2001: Sanders: "unscrapped". Contents will be change to a reference to ETSI TS
									101 220.
	TP-14 16/01/2002	4	.	1	.	0	<a href="#">get it</a>		

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<b>TS 31.111</b>	<b>USIM Application Toolkit (USAT)</b>								
Rel-4	<i>current version:</i> 5.3.0 <i>freeze_meeting:</i> SP-11		<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> WOODSEND, Kristian	Indicate persons who left Company and wait for new One				
	<i>history (event, available, version,</i>		<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> DIETZE, Claus					
	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	4 . 9 . 0							
	TP-18	5 . 3 . 0							

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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>freeze_meeting:</i> SP-11		<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> MAESER, Torsten	ORGA Kartensysteme GmbH				
	<i>history (event, available, version,</i>		<i>G:</i> <i>U:</i> yes	<i>MCC:</i> DIETZE, Claus					
				<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; USIM application test specification</b>								
Rel-4	<i>current version:</i> 4.3.0 <i>freeze_meeting:</i> SP-12		<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> AFCHAR, Ramin	VODAFONE Group Plc				
	<i>history (event, available, version,</i>		<i>G:</i> <i>U:</i> yes	<i>MCC:</i> DIETZE, Claus					
	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	4 . 3 . 0							

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## TS 31.122 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:* split into two parts

Rel-4 32 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/32\\_series](http://www.3gpp.org/ftp/Specs/archive/32_series)

## 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](#)

## TS 32.102 Telecommunication management; Architecture

Rel-4 *current version:* 4.2.0  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* S5 / - *rapporteur:* BERGGREN, Tommy  
*G:* *U:* yes *MCC:* ZOICAS, Adrian

Telia Mobile 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

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

## TS 32.111-1 Telecommunication management; Fault Management; Part 1: 3G fault management requirements

Rel-4 *current version:* 4.0.0  
*freeze\_meeting:* SP-12  
*history (event, available, version,*  
SP-12 03/07/2001 4 . 0 . 0

*WG (prime / other):* S5 / - *rapporteur:* SCHMIDT, Joerg  
*G:* *U:* yes *MCC:* ZOICAS, Adrian

Motorola Inc.

[get it](#) *remarks - general:* TSG#8: split into 4 parts  
*remarks - this release:*

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<b>TS 32.111-2</b>	<b>Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service</b>								
Rel-4	<i>current version:</i> 4.5.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> SCHMIDT, Joerg	Motorola Inc.					
	<i>freeze_meeting:</i> SP-12	<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version,</i>								
	SP-12 04/07/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> TSG#8: split into 4 parts					
	SP-13 05/10/2001	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					
	SP-14 11/01/2002	4 . 2 . 0	<a href="#">get it</a>						
	SP-15 26/03/2002	4 . 3 . 0	<a href="#">get it</a>						
	SP-17 18/09/2002	4 . 4 . 0	<a href="#">get it</a>						
	SP-18	4 . 5 . 0							
<hr/>									
<b>TS 32.111-3</b>	<b>Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1</b>								
Rel-4	<i>current version:</i> 4.5.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TSE, Edwin	Ericsson Incorporated					
	<i>freeze_meeting:</i> SP-12	<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version,</i>								
	SP-12 04/07/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> TSG#8: split into 4 parts					
	SP-13 05/10/2001	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					
	SP-15 26/03/2002	4 . 2 . 0	<a href="#">get it</a>						
	SP-16 20/06/2002	4 . 3 . 0	<a href="#">get it</a>						
	SP-17 20/09/2002	4 . 4 . 0	<a href="#">get it</a>						
	SP-18	4 . 5 . 0							
<hr/>									
<b>TS 32.111-4</b>	<b>Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set</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	<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version,</i>								
	SP-13 05/10/2001	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> TSG#8: split into 4 parts					
	SP-14 11/01/2002	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>					
	SP-15 26/03/2002	4 . 2 . 0	<a href="#">get it</a>						
	SP-16 20/06/2002	4 . 3 . 0	<a href="#">get it</a>						
	SP-18	4 . 4 . 0							

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**TS 32.200 Telecommunication management; Charging management; Charging principles**

Rel-4 *current version:* 4.3.0 *WG (prime / other):* S5 / *rapporteur:* AHLBÄCK, Hans Telefon AB LM Ericsson  
*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		4	.	3	.	0	

[get it](#)

*remarks - general:*

[get it](#)

*remarks - this release:* Had been indicated as approved at SP-12, but this was erroneous.

[get it](#)

[get it](#)

[get it](#)

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**TS 32.205 Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain**

Rel-4 *current version:* 4.3.0 *WG (prime / other):* S5 / *rapporteur:* BENDER, James Nortel Networks (USA)  
*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		4	.	3	.	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 32.215 Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain**

Rel-4 *current version:* 4.4.0 *WG (prime / other):* S5 / *rapporteur:* LEHNERT, Matthias ALCATEL S.A.  
*freeze\_meeting:* *G:* 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	09/10/2001	4	.	0	.	0	
SP-14	11/01/2002	4	.	1	.	0	
SP-15	26/03/2002	4	.	2	.	0	
edito post SP-15	27/03/2002	4	.	2	.	1	
SP-16	20/06/2002	4	.	3	.	0	
SP-18		4	.	4	.	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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<b>TS 32.235</b>	<b>Telecommunication management; Charging management; Charging data description for application services</b>								
Rel-4	<i>current version:</i> 4.4.0			<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> GOERMER, Gerald	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	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		4	.	4	.	0		

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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> 4.1.0			<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>

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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> 4.0.1			<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> SCHMIDT, Joerg	Motorola Inc.			
	<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 32.301-1
	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>

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<b>TS 32.302</b>	<b>Telecommunication management; Configuration Management (CM); Notification Integration Reference Point; Information Service version 1</b>								
Rel-4	<i>current version:</i> 4.1.0			<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TSE, Edwin	Ericsson Incorporated			
	<i>freeze_meeting:</i> SP-12			<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 32.301-2
	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>

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<b>TS 32.303</b>	<b>Telecommunication management; Configuration Management (CM); Notification Integration Reference Point; CORBA solution set version 1:1</b>				
Rel-4	<i>current version:</i> 4.3.1	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TSE, Edwin	Ericsson Incorporated	
	<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 32.301-3		
	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>			
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<b>TS 32.304</b>	<b>Telecommunication management; Configuration Management (CM); Notification Integration Reference Point; CMIP Solution Set Version 1:1</b>				
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> ZHOU, Di	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 32.301-4		
	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-15 26/03/2002 4 . 2 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 32.311</b>	<b>Telecommunication management; Generic Inte gration Reference Point (IRP) management; Requirements</b>				
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> TSE, Edwin	Ericsson Incorporated	
	<i>freeze_meeting:</i> SP-12	<i>G:</i> 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 32.112-1		
	SP-12 03/07/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	edito 12/07/2001 4 . 0 . 1	<a href="#">get it</a>			
<hr/>					
<b>TS 32.312</b>	<b>Telecommunication management; Generic Integration Reference Point (IRP) management; Information service</b>				
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> TSE, Edwin	Ericsson Incorporated	
	<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 32.112-2		
	SP-12 03/07/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .		

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<b>TS 32.401</b>	<b>Telecommunication management; Performance Management (PM); Concept and requirements</b>				
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> HÜBINETTE, Ulf	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> SP-13	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>				
	SP-12 20/06/2001 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> was 32.104 (pars)		
	edito 27/06/2001 1 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	SP-13 11/10/2001 2 . 0 . 0	<a href="#">get it</a>			SP-010467
	SP-13 05/10/2001 4 . 0 . 0	<a href="#">get it</a>			
	SP-14 11/01/2002 4 . 1 . 0	<a href="#">get it</a>			
	SP-17 18/09/2002 4 . 2 . 0	<a href="#">get it</a>			
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<b>TS 32.403</b>	<b>Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM</b>				
Rel-4	<i>current version:</i> 4.2.1	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOCHE, Christian	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> SP-12	<i>G:</i> yes <i>U:</i> 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>			
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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> WILBER, John		
	<i>freeze_meeting:</i> SP-12	<i>G:</i> yes <i>U:</i> 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> .		
<hr/>					
<b>TS 32.601</b>	<b>Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): requirements</b>				
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PIRT, Trevor	MOTOROLA Ltd	
	<i>freeze_meeting:</i> SP-12	<i>G:</i> yes <i>U:</i> 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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**TS 32.602 Telecommunication management; Configuration Management (CM); Basic Configuration Management Integration Reference Point (IRP) information service**

Rel-4 *current version:* 4.1.0 *WG (prime / other):* S5 / - *rapporteur:* WILBER, John  
*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 32.601-2  
SP-12 03/07/2001 4 . 0 . 0 [get it](#) *remarks - this release:* .  
SP-13 05/10/2001 4 . 1 . 0 [get it](#)

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**TS 32.603 Telecommunication management; Configuration Management (CM); Basic Configuration Management Integration Reference Point (IRP): CORBA solution set**

Rel-4 *current version:* 4.3.1 *WG (prime / other):* S5 / - *rapporteur:* ZHOU, Di SIEMENS AG  
*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 Configuration Management Integration Reference Point (IRP) CMIP solution set**

Rel-4 *current version:* 4.2.0 *WG (prime / other):* S5 / - *rapporteur:* TOVINGER, Thomas Telefon AB LM Ericsson  
*freeze\_meeting:* SP-12 *G:* yes *U:* yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*  
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:* yes *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		4 . 4 . 0						
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<b>TS 32.613</b>	<b>Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) solution</b>								
Rel-4	<i>current version:</i> set	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		4 . 4 . 0						
<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		4 . 3 . 0						

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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> 4.2.0
	<i>freeze_meeting:</i> SP-12
	<i>history (event, available, version,</i>
	SP-12 21/06/2001 2 . 0 . 0
	SP-12 03/07/2001 4 . 0 . 0
	SP-14 11/01/2002 4 . 1 . 0
	SP-15 27/03/2002 4 . 2 . 0
	<a href="#">get it</a> <i>remarks - general:</i> was 32.602-5
	<a href="#">get it</a> <i>remarks - this release:</i> .
	<a href="#">get it</a>
	<a href="#">get it</a>
<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>freeze_meeting:</i> SP-12
	<i>history (event, available, version,</i>
	SP-12 21/06/2001 2 . 0 . 0
	SP-12 03/07/2001 4 . 0 . 0
	<a href="#">get it</a> <i>remarks - general:</i> was 32.620-1
	<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> 4.3.0
	<i>freeze_meeting:</i> SP-12
	<i>history (event, available, version,</i>
	SP-12 21/06/2001 2 . 0 . 0
	SP-12 03/07/2001 4 . 0 . 0
	SP-13 05/10/2001 4 . 1 . 0
	SP-15 27/03/2002 4 . 2 . 0
	SP-16 28/06/2002 4 . 3 . 0
	<a href="#">get it</a> <i>remarks - general:</i> was 32.620-2
	<a href="#">get it</a> <i>remarks - this release:</i> .
	<a href="#">get it</a>
	<a href="#">get it</a>
	<a href="#">get it</a>
<hr/>	
<b>TS 32.623</b>	<b>Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): CORBA solution set</b>
Rel-4	<i>current version:</i> 4.2.0
	<i>freeze_meeting:</i> SP-12
	<i>history (event, available, version,</i>
	SP-12 21/06/2001 2 . 0 . 0
	SP-12 03/07/2001 4 . 0 . 0
	SP-13 05/10/2001 4 . 1 . 0
	SP-14 11/01/2002 4 . 2 . 0
	<a href="#">get it</a> <i>remarks - general:</i> was 32.620-3
	<a href="#">get it</a> <i>remarks - this release:</i> .
	<a href="#">get it</a>
	<a href="#">get it</a>

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<b>TS 32.624</b>	<b>Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP) CMIP solution set</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: 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 32.620-4		
	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>			
<hr/>					
<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:</i> 4.0.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PIRT, Trevor	MOTOROLA Ltd	
	<i>freeze_meeting:</i> SP-12	G: U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</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> .		
<hr/>					
<b>TS 32.632</b>	<b>Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)</b>				
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PAL, Tapinder	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> SP-12	G: yes U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</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>			
<hr/>					
<b>TS 32.633</b>	<b>Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): CORBA solution set</b>				
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> ZHOU, Di	SIEMENS AG	
	<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 32.621-3		
	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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**TS 32.634 Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): CMIP solution set**  
Rel-4 *current version:* 4.1.1 *WG (prime / other):* S5 / - *rapporteur:* POLLAKOWSKI, Olaf SIEMENS AG  
*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 32.621-4  
SP-12 03/07/2001 4 . 0 . 0 [get it](#) *remarks - this release:* .  
SP-13 05/10/2001 4 . 1 . 0 [get it](#)  
edito after SP-17 18/09/2002 4 . 1 . 1 [get it](#)

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**TS 32.641 Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): requirements**  
Rel-4 *current version:* 4.0.0 *WG (prime / other):* S5 / - *rapporteur:* PIRT, Trevor MOTOROLA Ltd  
*freeze\_meeting:* SP-12 *G:* U: yes *MCC:* ZOICAS, Adrian  
*history (event, available, version,*  
SP-12 21/06/2001 2 . 0 . 0 [get it](#) *remarks - general:* was 32.622-1  
SP-12 03/07/2001 4 . 0 . 0 [get it](#) *remarks - this release:* .

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**TS 32.642 Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)**  
Rel-4 *current version:* 4.2.0 *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 [get it](#) *remarks - general:* was 32.622-2  
SP-12 03/07/2001 4 . 0 . 0 [get it](#) *remarks - this release:* .  
SP-16 28/06/2002 4 . 1 . 0 [get it](#)  
SP-17 27/09/2002 4 . 2 . 0 [get it](#)

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**TS 32.643 Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): CORBA solution set**  
Rel-4 *current version:* 4.1.0 *WG (prime / other):* S5 / - *rapporteur:* ZHOU, Di 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 32.622-3  
SP-12 03/07/2001 4 . 0 . 0 [get it](#) *remarks - this release:*  
SP-14 11/01/2002 4 . 1 . 0 [get it](#)

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<b>TS 32.644</b>	<b>Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): CMIP solution set</b>								
Rel-4	<i>current version:</i> 4.1.1			<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 32.622-4
	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>	
<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:</i> 4.0.0			<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PIRT, Trevor	MOTOROLA Ltd			
	<i>freeze_meeting:</i> SP-12			<i>G:</i> yes U:	<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:</i> 4.4.0			<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PETERSEN, Robert	Ericsson AB			
	<i>freeze_meeting:</i> SP-12			<i>G:</i> yes U:	<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>	
<hr/>									
<b>TS 32.653</b>	<b>Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): CORBA solution set</b>								
Rel-4	<i>current version:</i> 4.1.0			<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> ZHOU, Di	SIEMENS AG			
	<i>freeze_meeting:</i> SP-12			<i>G:</i> yes U:	<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 32.623-3
	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>	

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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): CMIP solution set</b>								
Rel-4	<i>current version:</i> 4.1.0			<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> POLLAKOWSKI, Olaf	SIEMENS AG			
	<i>freeze_meeting:</i> SP-12			<i>G:</i> yes <i>U:</i>	<i>MCC:</i> ZOICAS, Adrian				
	<i>history (event, available, version,</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>	

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<b>TR 32.800</b>	<b>Telecommunication management; Management level procedures and interaction with UTRAN</b>								
Rel-4	<i>current version:</i> 4.0.0			<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> BODEN, Bert	Vodafone D2 GmbH			
	<i>freeze_meeting:</i> SP-12			<i>G:</i> <i>U:</i> yes	<i>MCC:</i> 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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Rel-4 **33** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/33\\_series](http://www.3gpp.org/ftp/Specs/archive/33_series)

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<b>TS 33.102</b>	<b>3G security; Security architecture</b>								
Rel-4	<i>current version:</i> 4.5.0			<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> BLOMMAERT, Marc	SIEMENS ATEA NV			
	<i>freeze_meeting:</i> SP-11			<i>G:</i> <i>U:</i> yes	<i>MCC:</i> POPE, Maurice				
	<i>history (event, available, version,</i>								
	SP-11	30/03/2001	4	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
	SP-12	04/07/2001	4	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
	SP-13	03/10/2001	4	.	2	.	0	<a href="#">get it</a>	
	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		4	.	5	.	0		

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



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<b>TS 33.103</b>	<b>3G security; Integration guidelines</b>	WG (prime / other): S3 / - G: U: yes	rapporteur: BLANCHARD, Colin MCC: POPE, Maurice	BT Group Plc
Rel-4	current version: 4.2.0 freeze_meeting: SP-11			
	history (event, available, version, SP-11 11/04/2001 4 . 0 . 0 SP-12 04/07/2001 4 . 1 . 0 SP-13 03/10/2001 4 . 2 . 0	<a href="#">get it</a>	remarks - general: remarks - this release: SP-15: Not to be promoted to Rel-5.	
<b>TS 33.105</b>	<b>Cryptographic Algorithm requirements</b>	WG (prime / other): S3 / - G: U: yes	rapporteur: CHIKAZAWA, Takeshi MCC: POPE, Maurice	Mitsubishi Electric Corporation
Rel-4	current version: 4.1.0 freeze_meeting: SP-11			
	history (event, available, version, SP-11 11/04/2001 4 . 0 . 0 SP-12 04/07/2001 4 . 1 . 0	<a href="#">get it</a> <a href="#">get it</a>	remarks - general: remarks - this release: SP-15: Not to be promoted to Rel-5.	
<b>TS 33.106</b>	<b>Lawful interception requirements</b>	WG (prime / other): S3 / - G: U: yes	rapporteur: WILHELM, Berthold MCC: POPE, Maurice	BUNDESMINISTERIUM FUR WIRTSCHAFT
Rel-4	current version: 4.0.0 freeze_meeting: SP-11			
	history (event, available, version, SP-11 04/04/2001 4 . 0 . 0	<a href="#">get it</a>	remarks - general: remarks - this release:	
<b>TS 33.107</b>	<b>3G security; Lawful interception architecture and functions</b>	WG (prime / other): S3 / - G: U: yes	rapporteur: WILHELM, Berthold MCC: POPE, Maurice	BUNDESMINISTERIUM FUR WIRTSCHAFT
Rel-4	current version: 4.3.0 freeze_meeting: SP-11			
	history (event, available, version, SP-11 04/04/2001 4 . 0 . 0 SP-13 03/10/2001 4 . 1 . 0 SP-14 07/01/2002 4 . 2 . 0 SP-15 26/03/2002 4 . 3 . 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:	
<b>TS 33.120</b>	<b>Security Objectives and Principles</b>	WG (prime / other): S3 / - G: U: yes	rapporteur: WRIGHT, Tim MCC: POPE, Maurice	Indicate persons who left Company and wait for new One
Rel-4	current version: 4.0.0 freeze_meeting: SP-11			
	history (event, available, version, SP-11 10/04/2001 4 . 0 . 0	<a href="#">get it</a>	remarks - general: remarks - this release: SP-15: Not to be promoted to Rel-5.	

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

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<b>TS 33.200</b>	<b>3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security</b>					
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> ESCOTT, Adrian	Hutchison 3G UK Limited		
	<i>freeze_meeting:</i> SP-12	<i>G:</i> U: yes	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version,</i>					
	draft 26/06/2001 1 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i> 2001-05-24: title grows MAP; see 33.210 for IP equivalent.			
	SA-12 2 . 0 . 0		<i>remarks - this release:</i>			
	SA-12 04/07/2001 4 . 0 . 0	<a href="#">get it</a>				
	SP-13 03/10/2001 4 . 1 . 0	<a href="#">get it</a>				
	SP-14 07/01/2002 4 . 2 . 0	<a href="#">get it</a>				
	SP-15 26/03/2002 4 . 3 . 0	<a href="#">get it</a>				
	SP-010322, ed notes in SP-010347					
<b>TR 33.901</b>	<b>Criteria for cryptographic Algorithm design process</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> BLOM, Rolf	Telefon AB LM Ericsson		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version,</i>					
	SP-11 03/10/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> SP-15: Not to be promoted to Rel-5.			
<b>TR 33.902</b>	<b>Formal Analysis of the 3G Authentication Protocol</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> HORN, Guenther	SIEMENS AG		
	<i>freeze_meeting:</i> SP-11	<i>G:</i> U: yes	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version,</i>					
	SP-11 03/10/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> SP-15: Not to be promoted to Rel-5.			
<b>TR 33.903</b>	<b>Access Security for IP based services</b>					
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> VACANT,			
	<i>freeze_meeting:</i>	<i>G:</i> U: yes	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version,</i>					
			<i>remarks - general:</i>			
			<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>					
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	<i>G:</i> U: yes	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version,</i>					
	SP-11 03/10/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> TSG#7: S3-000105=NP-000049			
			<i>remarks - this release:</i> SP-15: Not to be promoted to Rel-5.			

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**TR 33.909 3G Security; Report on the design and evaluation of the MILENAGE algorithm set; Deliverable 5: An example algorithm for the 3GPP authentication and key generation functions**  
Rel-4 *current version:* 4.0.1 *WG (prime / other):* S3 / - *rapporteur:* WALKER, Michael VODAFONE Group Plc  
*freeze\_meeting:* SP-11 *G:* U: yes *MCC:* POPE, Maurice  
*history (event, available, version,*  
SP-11 04/04/2001 4 . 0 . 0 [get it](#) *remarks - general:* TSG#7: Is a reference in 33.908. Was withdrawn, but reinstated at TSG#10.  
correct misprint in 23/07/2001 4 . 0 . 1 [get it](#) *remarks - this release:* SP-15: Not to be promoted to Rel-5.  
spec number

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Rel-4 34 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/34\\_series](http://www.3gpp.org/ftp/Specs/archive/34_series)

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**TS 34.108 Common test environments for User Equipment (UE) conformance testing**  
Rel-4 *current version:* 4.5.0 *WG (prime / other):* T1 / - *rapporteur:* CHALABI, Nuhman Anite Telecoms Ltd.  
*freeze\_meeting:* SP-13 *G:* U: yes *MCC:* SALMERON, Lidia  
*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 4 . 5 . 0

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**TS 34.109 Terminal logical test interface; Special conformance testing functions**  
Rel-4 *current version:* 4.4.0 *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 4 . 4 . 0

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

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<b>TS 34.121</b>	<b>Terminal Conformance Specification, Radio Transmission and Reception (FDD)</b>										
Rel-4	current version: none freeze_meeting: SP-13 history (event, available, version,	WG (prime / other): T1 / - G: U: yes		rapporteur: HIGUCHI, Kenji MCC: SALMERON, Lidia		ADVANTEST Corporation					
							remarks - general: remarks - this release:				
<hr/>											
<b>TS 34.122</b>	<b>Terminal Conformance Specification, Radio Transmission and Reception (TDD)</b>										
Rel-4	current version: 4.6.0 freeze_meeting: SP-13 history (event, available, version,	WG (prime / other): T1 / - G: U: yes		rapporteur: MAUCKSCH, Thomas MCC: SALMERON, Lidia		ROHDE & SCHWARZ GmbH & Co.KG					
	TP-12 03/07/2001 4 . 0 . 0 TP-13 03/10/2001 4 . 1 . 0 TP-14 09/01/2002 4 . 2 . 0 TP-15 21/03/2002 4 . 3 . 0 TP-16 17/06/2002 4 . 4 . 0 TP-17 05/09/2002 4 . 5 . 0 TP-18 4 . 6 . 0						remarks - general: remarks - this release:				
<hr/>											
<b>TS 34.123-1</b>	<b>User Equipment (UE) conformance specification; Part 1: Protocol conformance specification</b>										
Rel-4	current version: 4.3.0 freeze_meeting: SP-13 history (event, available, version,	WG (prime / other): T1 / - G: U: yes		rapporteur: SALMERON, Lidia MCC: SALMERON, Lidia		TELEPLUS LIMITED					
	TP-13 03/10/2001 4 . 0 . 0 TP-14 09/01/2002 4 . 1 . 0 TP-15 20/03/2002 4 . 2 . 0 TP-16 19/06/2002 4 . 3 . 0						remarks - general: remarks - this release:				
<hr/>											
<b>TS 34.123-2</b>	<b>User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification</b>										
Rel-4	current version: 4.3.0 freeze_meeting: SP-13 history (event, available, version,	WG (prime / other): T1 / - G: U: yes		rapporteur: HU, Shicheng MCC: SALMERON, Lidia		ETSI Secretariat					
	TP-13 04/10/2001 4 . 0 . 0 TP-14 09/01/2002 4 . 1 . 0 TP-15 21/03/2002 4 . 2 . 0 TP-16 19/06/2002 4 . 3 . 0						remarks - general: remarks - this release:				

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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:* SALMERON, Lidia  
*history (event, available, version,*

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

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**TS 34.124 Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment**

Rel-4 *current version:* 4.1.0 *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 4 . 1 . 0 *remarks - this release:*

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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:* SALMERON, Lidia  
*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 *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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<b>TS 35.201</b>	<b>Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications</b>								
Rel-4	<i>current version:</i> 4.1.0			<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WALKER, Michael				VODAFONE Group Plc
	<i>freeze_meeting:</i> SP-11			<i>G:</i> U: yes	<i>MCC:</i> POPE, Maurice				
	<i>history (event, available, version,</i>								
	SP-11 28/08/2001	4	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i> ex SAGE; supplied by ETSI under licence
	SP-14 07/01/2002	4	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i>
<b>TS 35.202</b>	<b>Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification</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			<i>G:</i> U: yes	<i>MCC:</i> POPE, Maurice				
	<i>history (event, available, version,</i>								
	SP-11 28/08/2001	4	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i> ex SAGE; supplied by ETSI under licence
									<i>remarks - this release:</i>
<b>TS 35.203</b>	<b>Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data</b>								
Rel-4	<i>current version:</i> 4.0.0			<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WALKER, Michael				VODAFONE Group Plc
	<i>freeze_meeting:</i> SP-11			<i>G:</i> U: yes	<i>MCC:</i> POPE, Maurice				
	<i>history (event, available, version,</i>								
	SP-11 28/08/2001	4	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i> ex SAGE; supplied by ETSI under licence
									<i>remarks - this release:</i>
<b>TS 35.204</b>	<b>Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data</b>								
Rel-4	<i>current version:</i> 4.0.0			<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WALKER, Michael				VODAFONE Group Plc
	<i>freeze_meeting:</i> SP-11			<i>G:</i> U: yes	<i>MCC:</i> POPE, Maurice				
	<i>history (event, available, version,</i>								
	SP-11 28/08/2001	4	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i> ex SAGE; supplied by ETSI under licence
									<i>remarks - this release:</i>
<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	<i>current version:</i> <b>Document 1: General</b>	4.0.0		<i>WG (prime / other):</i> S3	/-	<i>rapporteur:</i> WALKER, Michael			
	VODAFONE Group Plc								
	<i>freeze_meeting:</i> SP-11			<i>G:</i> U: yes	<i>MCC:</i> POPE, Maurice				
	<i>history (event, available, version,</i>								
	SP-11 09/05/2001	4	.	0	.	0		<a href="#">get it</a>	<i>remarks - general:</i> ex SAGE. 2002-06: clarified that deliverable is TS not TR.
									<i>remarks - this release:</i> TSG#11:changed to Rel-4.

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<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>	4.0.0	WG (prime / other):	S3	/-	rporteur:	WALKER, Michael
Rel-4	current version: Document 2: Algorithm specification						
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		<a href="#">get it</a>	remarks - general:	ex SAGE		
				remarks - this release:	TSG#11:changed to Rel-4		
<hr/>							
<b>TS 35.207</b>	<b>3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*;</b>	4.0.0	WG (prime / other):	S3	/-	rporteur:	WALKER, Michael
Rel-4	current version: Document 3: Implementors' test data						
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		<a href="#">get it</a>	remarks - general:	ex SAGE		
				remarks - this release:	TSG#11:changed to Rel-4		
<hr/>							
<b>TS 35.208</b>	<b>3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*;</b>	4.0.0	WG (prime / other):	S3	/-	rporteur:	WALKER, Michael
Rel-4	current version: Document 4: Design conformance test data						
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		<a href="#">get it</a>	remarks - general:	ex SAGE		
				remarks - this release:	TSG#11:changed to Rel-4		
<hr/>							
<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>	4.0.0	WG (prime / other):	S3	/-	rporteur:	WALKER, Michael
Rel-4	current version: Document 5: Summary and results of design and evaluation						
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		<a href="#">get it</a>	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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<b>TR 41.031</b>	<b>Fraud Information Gathering System (FIGS); Service requirements; Stage 0</b>					
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WRIGHT, Tim	Indicate persons who left Company and wait for new One		
	<i>freeze_meeting:</i> 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>			
	edito 02/05/2001 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
<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	<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version,</i>					
	SP-11 10/04/2001 4 . 0 . 0		<i>remarks - general:</i>			
	edito 02/05/2001 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
<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	<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> SP-15: Not to be promoted to Rel-5.			
<b>TS 41.102</b>	<b>GSM Release 4 specifications</b>					
Rel-4	<i>current version:</i> 4.7.0	<i>WG (prime / other):</i> SP / -	<i>rapporteur:</i> MEREDITH, John M	ETSI Secretariat		
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version,</i>					
	SP-10 04/01/2001 1 . 0 . 0		<i>remarks - general:</i> Né 41.001; renumbered at TSG#10.			
	SP-10 11/04/2001 1 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-11 11/04/2001 4 . 0 . 0	<a href="#">get it</a>				
	SP-12 05/07/2001 4 . 1 . 0	<a href="#">get it</a>				
	SP-13 01/10/2001 4 . 2 . 0	<a href="#">get it</a>				
	SP-14 03/01/2002 4 . 3 . 0	<a href="#">get it</a>				
	SP-15 27/03/2002 4 . 4 . 0	<a href="#">get it</a>				
	SP-16 19/06/2002 4 . 5 . 0	<a href="#">get it</a>				
	post SP-16 25/06/2002 4 . 5 . 1	<a href="#">get it</a>				
	editorial					
	SP-17 18/09/2002 4 . 6 . 0	<a href="#">get it</a>				
	SP-18 18/09/2002 4 . 7 . 0					

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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)

<b>TS 42.009</b>	<b>Security Aspects</b>								
Rel-4	current version: 4.0.0	WG (prime / other):	S3 / S1 / NP	rapporteur:	CHRISTOFFERSSON,	Telia Promotor AB			
	freeze_meeting: SP-11	G: yes U:		MCC:	POPE, Maurice				
history (event, available, version,	SP-11 10/04/2001	4 . 0 . 0		<a href="#">get it</a>	remarks - general:				
					remarks - this release:	SP-15: Not to be promoted to Rel-5.			
<b>TS 42.017</b>	<b>Subscriber Identity Module (SIM); Functional characteristics</b>								
Rel-4	current version: 4.0.0	WG (prime / other):	T3 / S1	rapporteur:	HOKKER, Philip	ORANGE PCS LTD			
	freeze_meeting: SP-11	G: yes U:		MCC:	DIETZE, Claus				
history (event, available, version,	TP-11 09/04/2001	4 . 0 . 0		<a href="#">get it</a>	remarks - general:				
					remarks - this release:				
<b>TS 42.019</b>	<b>Subscriber Identity Module Application Programming Interface (SIM API); Stage 1</b>								
Rel-4	current version: 4.0.0	WG (prime / other):	T3 / -	rapporteur:	DIETRICH, Christian	SchlumbergerSema - Schlumberger Systèmes S.A			
	freeze_meeting: SP-11	G: yes U:		MCC:	DIETZE, Gaus				
history (event, available, version,	TP-12 06/07/2001	4 . 0 . 0		<a href="#">get it</a>	remarks - general:	TP-17: From Rel-6, transferred to ETSI TS 102 240.			
					remarks - this release:	.			
<b>TS 42.033</b>	<b>Lawful Interception; Stage 1</b>								
Rel-4	current version: 4.0.0	WG (prime / other):	S3 /	rapporteur:	MCKIBBEN, Bernie	MOTOROLA GmbH			
	freeze_meeting: SP-11	G: yes U:		MCC:	POPE, Maurice				
history (event, available, version,	SP-11 10/04/2001	4 . 0 . 0		<a href="#">get it</a>	remarks - general:				
					remarks - this release:				

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<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>						
<hr/>									
<b>TS 42.068</b>	<b>Voice Group Call Service (VGCS); Stage 1</b>								
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> GILES, Les	Union Internationale des Chemins de Fer					
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version,</i>								
	SP-08 23/06/2000 4 . 0 . 0 32,304	<a href="#">get it</a>	<i>remarks - general:</i>						
	edito 24/10/2000 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>						
	SP-10 08/01/2001 4 . 1 . 0	<a href="#">get it</a>							
<hr/>									
<b>TS 42.069</b>	<b>Voice Broadcast Service (VBS); Stage 1</b>								
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> GILES, Les	Union Internationale des Chemins de Fer					
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version,</i>								
	SP-08 23/06/2000 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>						
	edito 24/10/2000 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>						
	SP-10 08/01/2001 4 . 1 . 0	<a href="#">get it</a>							

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<b>TR 43.005</b>	<b>Technical performance objectives</b>					
Rel-4	current version: 4.0.0	WG (prime / other): NP / -	rapporteur: BOSWARTHICK, David	ETSI Secretariat		
	freeze_meeting: SP-11	G: yes U:	MCC: BOSWARTHICK, David			
	history (event, available, version,					
	NP-11 11/04/2001 4 . 0 . 0	<a href="#">get it</a>	remarks - general:			
			remarks - this release:			
<b>TS 43.010</b>	<b>GSM Public Land Mobile Network (PLMN) connection types</b>					
Rel-4	current version: 4.2.0	WG (prime / other): N3 / -	rapporteur: BOSWARTHICK, David	ETSI Secretariat		
	freeze_meeting: SP-11	G: yes U:	MCC: BOSWARTHICK, David			
	history (event, available, version,					
	NP-10 08/01/2001 4 . 0 . 0	<a href="#">get it</a>	remarks - general:			
	NP-11 06/04/2001 4 . 1 . 0	<a href="#">get it</a>	remarks - this release:			
	NP-17 17/09/2002 4 . 2 . 0	<a href="#">get it</a>				
<b>TS 43.013</b>	<b>Discontinuous Reception (DRX) in the GSM system</b>					
Rel-4	current version: 4.0.0	WG (prime / other): G1 / -	rapporteur: USAI, Paolino	Telecom Italia Lab S.p.A.		
	freeze_meeting: SP-11	G: yes U:	MCC: USAI, Paolino			
	history (event, available, version,					
	GP-04 11/04/2001 4 . 0 . 0	<a href="#">get it</a>	remarks - general:			
			remarks - this release:			
<b>TS 43.019</b>	<b>Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2</b>					
Rel-4	current version: 4.3.0	WG (prime / other): T3 / -	rapporteur: DIETRICH, Christian	SchlumbergerSema - Schlumberger Systèmes S.A		
	freeze_meeting: SP-11	G: yes U:	MCC: DIETZE, Claus			
	history (event, available, version,					
	TP-11 23/10/2001 4 . 0 . 0	<a href="#">get it</a>	remarks - general: For test spec, see 51.013.			
	TP-14 17/01/2002 4 . 1 . 0	<a href="#">get it</a>	remarks - this release:			
	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>				
<b>TS 43.020</b>	<b>Security-related network functions</b>					
Rel-4	current version: 4.0.0	WG (prime / other): S3 / NP / GP	rapporteur: GILBERT, Henri	France Telecom		
	freeze_meeting: SP-11	G: yes U:	MCC: POPE, Maurice			
	history (event, available, version,					
	SP-09 04/11/2000 4 . 0 . 0	<a href="#">get it</a>	remarks - general:			
			remarks - this release:			

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<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	<i>G: yes U:</i>	<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>				
<hr/>						
<b>TR 43.026</b>	<b>Multiband operation of GSM / DCS 1800 by a single operator</b>					
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> G1 / NP	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S		
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>	<i>MCC:</i> Peter Skov 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>			
	re-issue as TR 31/07/2002 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	(not TS) as per 03.26					
<hr/>						
<b>TR 43.030</b>	<b>Radio network planning aspects</b>					
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> TEGTH, Ulf	TELIA AB		
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>	<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>			
	some refs revert 24/10/2000 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	to pre-Rel-4 GSM format					
<hr/>						
<b>TS 43.033</b>	<b>Lawful Interception; Stage 2</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> MCKIBBEN, Bernie	MOTOROLA GmbH		
	<i>freeze_meeting:</i> SP-11	<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>			

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<b>TS 43.045</b>	<b>Technical Realization of Facsimile Group 3 Service - transparent</b>				
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat	
	<i>freeze_meeting:</i> SP-11	<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> <i>remarks - this release:</i>
<hr/>					
<b>TS 43.050</b>	<b>Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System</b>				
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	Telecom Italia Lab S.p.A.	
	<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 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	<i>G: yes U:</i>	<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> 4.1.0	<i>WG (prime / other):</i> G1 / G2	<i>rapporteur:</i> CARRIZO MARTINEZ, Jose Luis	VODAFONE Group Plc	
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i> GP-04 11/04/2001 4 . 0 . 0 GP-05 29/06/2001 4 . 1 . 0				<a href="#">get it</a> <i>remarks - general:</i> <a href="#">get it</a> <i>remarks - this release:</i>
<hr/>					
<b>TR 43.058</b>	<b>Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)</b>				
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> MONFORT, Jean-Yves	France Telecom	
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</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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G = required in systems with GERAN access; U = required in systems with UMTS

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## TS 43.059 Functional stage 2 description of Location Services (LCS) in GERAN

Rel-4 *current version:* 4.5.0 *WG (prime / other):* G1 / - *rapporteur:* LIVINGSTON, Margaret NOKIA Corporation  
*freeze\_meeting:* SP-11 *G: yes U:* MCC: USAI, Paolino

*history (event, available, version,*

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:* 4.3.0 *WG (prime / other):* G1 / - *rapporteur:* LEPPISAARI, Arto NOKIA Corporation  
*freeze\_meeting:* SP-11 *G: yes U:* MCC: USAI, Paolino

*history (event, available, version,*

GP-03	15/02/2001	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
GP-04	20/04/2001	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
GP-07	04/01/2002	4	.	2	.	0	<a href="#">get it</a>
GP-08	19/02/2002	4	.	3	.	0	<a href="#">get it</a>

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## TS 43.068 Voice Group Call Service (VGCS); Stage 2

Rel-4 *current version:* 4.2.2 *WG (prime / other):* N1 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*freeze\_meeting:* SP-11 *G: yes U:* MCC: JORGENSEN, Per Johan

*history (event, available, version,*

NP-08	23/06/2000	4	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
NP-09	12/10/2000	4	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
edito	24/10/2000	4	.	1	.	1	<a href="#">get it</a>
NP-10	02/01/2001	4	.	2	.	0	<a href="#">get it</a>
edito	17/06/2002	4	.	2	.	1	<a href="#">get it</a>
edito	28/06/2002	4	.	2	.	2	<a href="#">get it</a>

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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](#)  
[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  
*history (event, available, version,*

SP-16	24/06/2002	4	.	0	.	0
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 = 23.073 v4.0.0

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

[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

*history (event, available, version,*

NP-11	11/04/2001	4	.	0	.	0
NP-16	20/06/2002	4	.	1	.	0

*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:*

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<b>TS 44.003</b>	<b>Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities</b>					
Rel-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>history (event, available, version,</i> GP-04 04/05/2001 4 . 0 . 0	G: yes U:	<i>MCC:</i> THOMASEN, Gert			
		<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>			
<hr/>						
<b>TS 44.004</b>	<b>Layer 1 - General Requirements</b>					
Rel-4	<i>current version:</i> 4.2.0 <i>freeze_meeting:</i> GP-04	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ISAACS, Ken		SIEMENS AG	
	<i>history (event, available, version,</i> GP-04 04/05/2001 4 . 0 . 0 GP-06 14/09/2001 4 . 1 . 0 GP-07 08/01/2002 4 . 2 . 0	G: yes U:	<i>MCC:</i> THOMASEN, Gert			
		<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>			
		<a href="#">get it</a>				
		<a href="#">get it</a>				
<hr/>						
<b>TS 44.005</b>	<b>Data Link (DL) Layer General Aspects</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>history (event, available, version,</i> GP-04 04/05/2001 4 . 0 . 0	G: yes U:	<i>MCC:</i> THOMASEN, Gert			
		<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>			
<hr/>						
<b>TS 44.006</b>	<b>Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification</b>					
Rel-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>history (event, available, version,</i> GP-04 04/05/2001 4 . 0 . 0 GP-08 19/02/2002 4 . 1 . 0	G: yes U:	<i>MCC:</i> THOMASEN, Gert			
		<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>			
		<a href="#">get it</a>				

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<b>TS 44.012</b>	<b>Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface</b>						
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> G2 / N2	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S			
	<i>freeze_meeting:</i> GP-04		Peter Skov				
		<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> Rel-4 onwards. (Rel-99 was 24.012)				
			<i>remarks - this release:</i> TSG#11: Replaces 24.012 for Rel-4 on.				
<hr/>							
<b>TS 44.013</b>	<b>Performance Requirements on Mobile Radio Interface</b>						
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> PUDNEY, Chris	VODAFONE Group Plc			
	<i>freeze_meeting:</i> SP-11	<i>G:</i> yes <i>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>				
	NP-16 20/06/2002 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>				
<hr/>							
<b>TS 44.014</b>	<b>Individual equipment type requirements and interworking; Special conformance testing functions</b>						
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> HOWELL, Andrew	MOTOROLA Ltd			
	<i>freeze_meeting:</i> GP-04	<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>				
	GP-05 18/06/2001 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>				
	GP-10 19/07/2002 4 . 2 . 0	<a href="#">get it</a>					

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## TS 44.018 Mobile radio interface layer 3 specification; Radio Resource Control Protocol

Rel-4 *current version:* 4.12.0 *WG (prime / other):* G2 / - *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* GP-04 *G:* yes *U:* *MCC:* THOMASEN, Gert

*history (event, available, version,*

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: #32:9.0.0 MCC-converted Aug00:</i>
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		4	.	12	.	0	<a href="#">get it</a>

## TS 44.021 Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface

Rel-4 *current version:* 4.1.0 *WG (prime / other):* N3 / - *rapporteur:* RÄSÄNEN, Juha NOKIA Corporation  
*freeze\_meeting:* SP-11 *G:* yes *U:* *MCC:* BOSWARTHICK, David

*history (event, available, version,*

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>

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

Rel-4 *current version:* 4.6.0 *WG (prime / other):* G2 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*freeze\_meeting:* GP-04 *G:* yes *U:* *MCC:* THOMASEN, Gert

*history (event, available, version,*

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>

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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	current version: 4.1.0	WG (prime / other): G2 / -	rapporteur: GARAPATY, Sonia	Nortel Networks (USA)
	freeze_meeting: GP-04			G: yes U:	MCC: THOMASEN, Gert	
	history (event, available, version,					
	GP-04 04/05/2001	4	. 0	. 0	<a href="#">get it</a>	remarks - general:
	GP-07 08/01/2002	4	. 1	. 0	<a href="#">get it</a>	remarks - this release:
<b>TS 44.056</b>	<b>GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification</b>	Rel-4	current version: 4.0.0	WG (prime / other): N1 / -	rapporteur: HUPPERICH, Peter	ALCATEL Kommunikations-Elektronik GmbH
	freeze_meeting: SP-11			G: yes U:	MCC: JORGENSEN, Per Johan	
	history (event, available, version,					
	NP-11 11/04/2001	4	. 0	. 0	<a href="#">get it</a>	remarks - general:
						remarks - this release:
<b>TS 44.057</b>	<b>GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification</b>	Rel-4	current version: 4.0.0	WG (prime / other): N1 / -	rapporteur: HUPPERICH, Peter	ALCATEL Kommunikations-Elektronik GmbH
	freeze_meeting: SP-11			G: yes U:	MCC: JORGENSEN, Per Johan	
	history (event, available, version,					
	NP-11 11/04/2001	4	. 0	. 0	<a href="#">get it</a>	remarks - general:
						remarks - this release:
<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	current version: 4.9.0	WG (prime / other): G2 /	rapporteur: BLACK, Jyoti	MOTOROLA
	freeze_meeting: GP-04			G: yes U:	MCC: THOMASEN, Gert	
	history (event, available, version,					
	GP-03 31/01/2001	4	. 0	. 0	<a href="#">get it</a>	remarks - general: General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System
	GP-04 04/05/2001	4	. 1	. 0	<a href="#">get it</a>	remarks - this release: (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	4	. 9	. 0		

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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> SALKINTZIS, Apostolis	MOTOROLA GmbH	
	<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>	
	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>		
<hr/>					
<b>TS 44.065</b>	<b>Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)</b>				
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> SALKINTZIS, Apostolis	MOTOROLA GmbH	
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>	<i>MCC:</i> 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>		
<hr/>					
<b>TS 44.068</b>	<b>Group Call Control (GCC) Protocol</b>				
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)	
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version,</i>				
	conversion to 3GPP format 06/09/2000	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	NP-09 12/10/2000	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	edito 24/10/2000	4 . 1 . 1	<a href="#">get it</a>		
	NP-12 29/06/2001	4 . 2 . 0	<a href="#">get it</a>		
	NP-16 19/06/2002	4 . 3 . 0	<a href="#">get it</a>		
<hr/>					
<b>TS 44.069</b>	<b>Broadcast Call Control (BCC) protocol</b>				
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)	
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version,</i>				
	NP-08 23/06/2000	4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	
	NP-09 12/10/2000	4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	
	edito 24/10/2000	4 . 1 . 1	<a href="#">get it</a>		
	NP-12 29/06/2001	4 . 2 . 0	<a href="#">get it</a>		
	NP-16 19/06/2002	4 . 3 . 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 44.071 Location Services (LCS); Mobile radio interface layer 3 LCS specification**

Rel-4 *current version:* 4.3.0 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* GP-04 *G: yes U:* *MCC:* THOMASEN, Gert

*history (event, available, version,*  
GP-04 04/05/2001 4 . 0 . 0 [get it](#) *remarks - general:*  
GP-05 18/06/2001 4 . 1 . 0 [get it](#) *remarks - this release:*  
GP-07 08/01/2002 4 . 2 . 0 [get it](#)  
GP-10 19/07/2002 4 . 3 . 0 [get it](#)

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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:* 4.1.0 *WG (prime / other):* G1 / - *rapporteur:* JOKINEN, Harri NOKIA MOBILE PHONES  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version,*  
GP-01 10/10/2000 4 . 0 . 0 [get it](#) *remarks - general:*  
edito 24/10/2000 4 . 0 . 1 [get it](#) *remarks - this release:*  
GP-07 04/01/2002 4 . 1 . 0 [get it](#)

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**TS 45.002 Multiplexing and Multiple Access on the Radio Path**

Rel-4 *current version:* 4.5.0 *WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist NOKIA Corporation  
*freeze\_meeting:* SP-11 *G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version,*  
GP-01 10/10/2000 4 . 0 . 0 [get it](#) *remarks - general:*  
edito 24/10/2000 4 . 0 . 1 [get it](#) *remarks - this release:*  
GP-02 24/11/2000 4 . 1 . 0 [get it](#)  
edito 30/11/2000 4 . 1 . 1 [get it](#)  
GP-03 15/01/2001 4 . 2 . 0 [get it](#)  
edito 27/02/2001 4 . 2 . 1 [get it](#)  
GP-04 20/04/2001 4 . 3 . 0 [get it](#)  
GP-06 01/10/2001 4 . 4 . 0 [get it](#)  
GP-07 04/01/2002 4 . 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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<b>TS 45.003</b>	<b>Channel coding</b>								
Rel-4	<i>current version:</i> 4.1.0								
	<i>freeze_meeting:</i> SP-11								
	<i>history (event, available, version,</i>								
	GP-03 06/02/2001	4	.	0	.	0			
	GP-07 04/01/2002	4	.	1	.	0			
							<a href="#">get it</a>	<i>remarks - general:</i>	
							<a href="#">get it</a>	<i>remarks - this release:</i>	
<hr/>									
<b>TS 45.004</b>	<b>Modulation</b>								
Rel-4	<i>current version:</i> 4.2.0								
	<i>freeze_meeting:</i> SP-11								
	<i>history (event, available, version,</i>								
	GP-04 18/06/2001	4	.	0	.	0			
	GP-05 29/06/2001	4	.	1	.	0			
	GP-07 04/01/2002	4	.	2	.	0			
							<a href="#">get it</a>	<i>remarks - general:</i>	
							<a href="#">get it</a>	<i>remarks - this release:</i>	
							<a href="#">get it</a>		
<hr/>									
<b>TS 45.005</b>	<b>Radio transmission and reception</b>								
Rel-4	<i>current version:</i> 4.9.0								
	<i>freeze_meeting:</i> SP-11								
	<i>history (event, available, version,</i>								
	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			
							<a href="#">get it</a>	<i>remarks - general:</i>	
							<a href="#">get it</a>	<i>remarks - this release:</i>	

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<b>TS 45.008</b>	<b>Radio subsystem link control</b>				
Rel-4	<i>current version:</i> 4.9.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> EL-SAIGH, Amer	VODAFONE Group Plc	
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	GP-01 01/09/2000 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	GP-02 24/11/2000 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	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-04 20/04/2001 4 . 3 . 0	<a href="#">get it</a>			
	GP-05 29/06/2001 4 . 4 . 0	<a href="#">get it</a>			
	GP-06 01/10/2001 4 . 5 . 0	<a href="#">get it</a>			
	GP-07 04/01/2002 4 . 6 . 0	<a href="#">get it</a>			
	GP-08 18/02/2002 4 . 7 . 0	<a href="#">get it</a>			
	GP-09 06/05/2002 4 . 8 . 0	<a href="#">get it</a>			
	GP-10 19/07/2002 4 . 9 . 0	<a href="#">get it</a>			

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<b>TS 45.009</b>	<b>Link adaptation</b>				
Rel-4	<i>current version:</i> 4.2.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S	
	<i>freeze_meeting:</i> SP-11	G: yes U:	Peter Skov		
	<i>history (event, available, version,</i>		<i>MCC:</i> USAI, Paolino		
	GP-02 06/02/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	GP-06 01/10/2001 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	GP-07 04/01/2002 4 . 2 . 0	<a href="#">get it</a>			

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<b>TS 45.010</b>	<b>Radio subsystem synchronization</b>				
Rel-4	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> JOKINEN, Harri	NOKIA MOBILE PHONES	
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	GP-04 20/04/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	GP-07 04/01/2002 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	GP-08 19/02/2002 4 . 2 . 0	<a href="#">get it</a>			
	GP-10 19/07/2002 4 . 3 . 0	<a href="#">get it</a>			

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<b>TR 45.022</b>	<b>Radio link management in hierarchical networks</b>				
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> VAN BUSSEL, Han	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>	<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>TR 45.050</b>	<b>Background for RF Requirements</b>				
Rel-4	<i>current version:</i> 4.0.1	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S	
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>	<i>MCC:</i> Peter Skov 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>		
	make figures 01/08/2001 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>		
	legible				
<hr/>					
<b>TS 45.056</b>	<b>CTS-FP Radio Sub-system</b>				
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> USAI, Paolino	Telecom Italia Lab S.p.A.	
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>	<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>		

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Rel-4 46 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/46\\_series](http://www.3gpp.org/ftp/Specs/archive/46_series)

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<b>TS 46.001</b>	<b>Full Rate Speech Processing Functions</b>				
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	Telecom Italia Lab S.p.A.	
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	SP-11 10/10/2001 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i>		

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<b>TS 46.002</b>	<b>Half Rate Speech Processing Functions</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</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	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 46.007</b>	<b>Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</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	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 46.010</b>	<b>Full-rate speech transcoding</b>					
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> LORENZ, Dietmar	PHILIPS Semiconductors		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</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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<b>TS 46.011</b>	<b>Substitution and Muting of Lost Frames for Full Rate Speech Channels</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> NAVARRO, William	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</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 46.012</b>	<b>Comfort Noise Aspects for Full Rate Speech Traffic Channels</b>					
Rel-4	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SERENO, Daniele	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</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>			
<hr/>						
<b>TS 46.020</b>	<b>Half Rate Speech Transcoding</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</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 46.021</b>	<b>Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</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 46.022</b>	<b>Comfort Noise Aspects for Half Rate Speech Traffic Channels</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i> SP-11	G: yes U:	<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 46.031</b>	<b>Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels</b>	Rel-4 current version: 4.0.0 freeze_meeting: SP-11 history (event, available, version, SP-11 10/04/2001 4 . 0 . 0	WG (prime / other): S4 / - G: yes U: <a href="#">get it</a>	rapporteur: USAI, Paolino MCC: USAI, Paolino	Telecom Italia Lab S.p.A.	remarks - general: remarks - this release:
<b>TS 46.032</b>	<b>Voice Activity Detection (VAD)</b>	Rel-4 current version: 4.0.0 freeze_meeting: SP-11 history (event, available, version, SP-11 10/04/2001 4 . 0 . 0	WG (prime / other): S4 / - G: yes U: <a href="#">get it</a>	rapporteur: BARRETT, Paul MCC: USAI, Paolino	Indicate persons who left Company and wait for new One	remarks - general: remarks - this release:
<b>TS 46.041</b>	<b>Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels</b>	Rel-4 current version: 4.0.0 freeze_meeting: SP-11 history (event, available, version, SP-11 10/04/2001 4 . 0 . 0	WG (prime / other): S4 / - G: yes U: <a href="#">get it</a>	rapporteur: USAI, Paolino MCC: USAI, Paolino	Telecom Italia Lab S.p.A.	remarks - general: remarks - this release:
<b>TS 46.042</b>	<b>Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels</b>	Rel-4 current version: 4.0.0 freeze_meeting: SP-11 history (event, available, version, SP-11 10/04/2001 4 . 0 . 0	WG (prime / other): S4 / - G: yes U: <a href="#">get it</a>	rapporteur: BARRETT, Paul MCC: USAI, Paolino	Indicate persons who left Company and wait for new One	remarks - general: remarks - this release:
<b>TS 46.051</b>	<b>GSM Enhanced full rate speech processing functions: General description</b>	Rel-4 current version: 4.0.0 freeze_meeting: SP-11 history (event, available, version, SP-11 10/04/2001 4 . 0 . 0	WG (prime / other): S4 / - G: yes U: <a href="#">get it</a>	rapporteur: JÄRVINEN, Kari MCC: USAI, Paolino	NOKIA Corporation	remarks - general: remarks - this release:

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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:	MCC: 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:	MCC: 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:	MCC: 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:	MCC: 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 46.061</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:	MCC: 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	<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 46.076</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 Lab S.p.A.	
	<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>			
	fix invisible 10/01/2002 4 . 0 . 1	<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	<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 46.082</b>	<b>Voice Activity Detection (VAD) for enhanced full rate speech traffic channels</b>					
Rel-4	<i>current version:</i> 4.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari		NOKIA Corporation	
	<i>freeze_meeting:</i> SP-11	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</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 Lab S.p.A.	
	<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>			

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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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<b>TS 48.001</b>	<b>General Aspects on the BSS-MSC Interface</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:	
<hr/>						
<b>TS 48.002</b>	<b>Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles</b>					
Rel-4	current version: 4.2.0 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-05 18/06/2001 4 . 1 . 0 GP-07 08/01/2002 4 . 2 . 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>	Rel-5 CR undone. Effectively reverts to 4.0.0
<hr/>						
<b>TS 48.004</b>	<b>Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification</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:	
<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-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:	

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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: 4.8.0 freeze_meeting: GP-04	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S		
		G: yes U:	MCC: THOMASEN, Gert			
	history (event, available, version,					
	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>			

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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 freeze_meeting: GP-04	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	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: 4.2.0 freeze_meeting: GP-04	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Nels Peter Skov	MOTOROLA A/S		
		G: yes U:	MCC: THOMASEN, Gert			
	history (event, available, version,					
	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>			

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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 Transceiver 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	
		G: yes U:	<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	
		G: yes U:	<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	
		G: yes U:	<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	
		G: yes U:	<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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<b>TS 48.060</b>	<b>In-band control of remote transcoders and rate adaptors for full rate traffic channels</b>								
Rel-4	current version: 4.1.0 freeze_meeting: GP-04	WG (prime / other): G1 / -	rapporteur: ANDERSEN, Niels Peter Skov USAI, Paolino	MOTOROLA A/S					
	history (event, available, version,	G: yes U:	MCC:						
	GP-04 04/05/2001 4 . 0 . 0	<a href="#">get it</a>	remarks - general:	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>	remarks - this release:						
	GP-08 19/02/2002 4 . 1 . 0	<a href="#">get it</a>							
<hr/>									
<b>TS 48.061</b>	<b>In-band control of remote transcoders and rate adaptors for half rate traffic channels</b>								
Rel-4	current version: 4.1.1 freeze_meeting: GP-04	WG (prime / other): G1 / NP	rapporteur: ANDERSEN, Niels Peter Skov USAI, Paolino	MOTOROLA A/S					
	history (event, available, version,	G: yes U:	MCC:						
	GP-04 04/05/2001 4 . 0 . 0	<a href="#">get it</a>	remarks - general:	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>	remarks - this release:						
	editorial pody 20/03/2002 4 . 1 . 1	<a href="#">get it</a>							
	GP-08								
<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-4	current version: 4.3.0 freeze_meeting: GP-04	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov THOMASEN, Gert	MOTOROLA A/S					
	history (event, available, version,	G: yes U:	MCC:						
	GP-04 04/05/2001 4 . 0 . 0	<a href="#">get it</a>	remarks - general:						
	GP-06 14/09/2001 4 . 1 . 0	<a href="#">get it</a>	remarks - this release:						
	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>							

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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 49.001 General network interworking scenarios

Rel-4 *current version:* 4.0.1  
*freeze\_meeting:* SP-11

*WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo SONERA Corporation  
*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:* 4.0.1  
*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

[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-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](#)  
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[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)

## TR 50.059 Enhanced Data rates for GSM Evolution (EDGE); Project scheduling and open issues for EDGE

Rel-4 *current version:* 4.0.1  
*freeze\_meeting:* SP-11

*WG (prime / other):* G1 / - *rapporteur:* MUELLER, Frank Telefon AB LM Ericsson  
*G: yes U:* *MCC:* USAI, Paolino

*history (event, available, version,*  
GP-04 11/04/2001 4 . 0 . 0  
edito 01/10/2001 4 . 0 . 1

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

## TS 51.010-1 Mobile Station (MS) conformance specification; Part 1: Conformance specification

Rel-4 current version: 4.10.0  
freeze\_meeting: SP-11

WG (prime / other): G5 / S1 / rapporteur: HU, Shicheng ETSI Secretariat  
NP /  
T2 /  
SCP

/ G4

G: yes U: MCC: SALMERON, Lidia

history (event, available, version,  
conversion from 01/08/2000 4 . 0 . 1  
11.10-1 v9.0.1  
edito 24/10/2000 4 . 0 . 2  
GP-02 01/12/2000 4 . 1 . 0  
edito to correct 01/12/2000 4 . 1 . 1  
Release  
edito 17/01/2001 4 . 1 . 2  
GP-03 22/01/2001 4 . 2 . 0  
GP-04 11/04/2001 4 . 3 . 0  
GP-05 05/06/2001 4 . 4 . 0  
GP-06 31/08/2001 4 . 5 . 0  
GP-07 09/01/2002 4 . 6 . 0  
GP-08 26/02/2002 4 . 7 . 0  
GP-09 03/05/2002 4 . 8 . 0  
GP-10 19/07/2002 4 . 9 . 0  
GP-11 20/09/2002 4 . 10 . 0

[get it](#)

remarks - general: 2001-11-19: G4->G5.  
remarks - this release: #32:9.0.0 MCC-converted Aug00:4.0.1

[get it](#)

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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):* G5 / S1 / *rapporteur:* HU, Shicheng ETSI Secretariat  
*freeze\_meeting:* SP-14

NP /  
T2 /  
SCP  
/ G4

G: yes U: MCC: SALMERON, Lidia

*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](#)  
[get it](#)  
[get it](#)  
[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 51.010-3 Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)

Rel-4 *current version:* 4.7.0 *WG (prime / other):* G5 / S1 / *rapporteur:* HU, Shicheng ETSI Secretariat  
*freeze\_meeting:* SP-11

NP /  
T2 /  
SCP  
/ G4

G: yes U: MCC: SALMERON, Lidia

*history (event, available, version,*

GERSAN-1	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

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

*remarks - general:* 2001-11-19: G4->G5.  
*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 51 .- series  
[http://www.3gpp.org/ftp/Specs/archive/51\\_series](http://www.3gpp.org/ftp/Specs/archive/51_series)

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<b>TS 51.011</b>	<b>Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface</b>								
Rel-4	<i>current version:</i> 4.6.0			<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> GUTHERY, Scott B.	Mobile-Mind Inc.			
	<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>	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>	<i>remarks - this release:</i>	TP-14: At TP-11 it was decided that there would be no need for a Rel-5 version,			
	TP-13 11/10/2001	4 . 2 . 0		<a href="#">get it</a>		since by then all terminals will handle a common USIM. But the question still seems			
	TP-14 17/01/2002	4 . 3 . 0		<a href="#">get it</a>		to be open. TP-14: settled: there WILL be a Rel-5! TP-16: Rel-5 version			
	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	4 . 6 . 0							
<hr/>									
<b>TS 51.013</b>	<b>Test specification for SIM API for Java card</b>								
Rel-4	<i>current version:</i> 2.0.0		DRAFT	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> LLOBREGAT, Fernando	OBERTHUR CARD SYSTEMS S.A.			
	<i>freeze_meeting:</i> TP-21			<i>G: yes U:</i>	<i>MCC:</i> DIETZE, Claus				
	<i>history (event, available, version,</i>								
	TP-16 26/06/2002	1 . 0 . 0	TP-020128	<a href="#">get it</a>	<i>remarks - general:</i>				
	TP-17 23/09/2002	2 . 0 . 0	TP-020220. Doc has been created	<a href="#">get it</a>	<i>remarks - this release:</i>	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.						
<hr/>									
<b>TS 51.021</b>	<b>GSM radio aspects base station system equipment specification</b>								
Rel-4	<i>current version:</i> 4.2.0			<i>WG (prime / other):</i> G3 / -	<i>rapporteur:</i> BUSIN, Ake	Telefon AB LM Ericsson			
	<i>freeze_meeting:</i> SP-13			<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version,</i>								
	GP-07 11/01/2002	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
	GP-10 19/07/2002	4 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	.			
	GP-12	4 . 2 . 0							
<hr/>									
<b>TS 51.026</b>	<b>GSM Repeater Equipment Specification</b>								
Rel-4	<i>current version:</i> 4.0.0			<i>WG (prime / other):</i> G3 / -	<i>rapporteur:</i> BUSIN, Ake	Telefon AB LM Ericsson			
	<i>freeze_meeting:</i> SP-13			<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version,</i>								
	post-TSG-14 23/01/2002	4 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i>	.			

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

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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):* G3 / 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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**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 GSM Release 1999 Specifications

R99 *current version:* 8.8.0  
*freeze\_meeting:* SP-06  
*history (event, available, version,*

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

draft	01/08/1999	0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
draft	01/08/1999	0 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>
mods to draft	01/09/1999	0 . 0 . 2	<a href="#">get it</a>	
more mods	07/09/1999	0 . 0 . 3	<a href="#">get it</a>	
WOME cmts	15/09/1999	0 . 1 . 0	<a href="#">get it</a>	
included				
Becomes T2/smg4	21/09/1999	0 . 2 . 0	<a href="#">get it</a>	
responsibility				
draft	04/08/2000	0 . 3 . 0	<a href="#">get it</a>	
editorials	01/10/1999	0 . 3 . 0	<a href="#">get it</a>	
align with 21.101	07/10/1999	0 . 4 . 0	<a href="#">get it</a>	
smg-30	11/11/1999	1 . 0 . 0	<a href="#">get it</a>	
align with 21.101	30/11/1999	1 . 1 . 0	<a href="#">get it</a>	Alignment with 21.101: 1.1.0.
smg-31 bis		2 . 0 . 0		
smg-32	20/06/2000	8 . 0 . 0	<a href="#">get it</a>	
SP-10	04/01/2001	8 . 1 . 0	<a href="#">get it</a>	
SP-12	05/07/2001	8 . 2 . 0	<a href="#">get it</a>	
SP-13	01/10/2001	8 . 3 . 0	<a href="#">get it</a>	
SP-14	03/01/2002	8 . 4 . 0	<a href="#">get it</a>	
SP-15	27/03/2002	8 . 5 . 0	<a href="#">get it</a>	
SP-16	19/06/2002	8 . 6 . 0	<a href="#">get it</a>	
SP-17	18/09/2002	8 . 7 . 0	<a href="#">get it</a>	
SP-18		8 . 8 . 0		

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## TR 01.04 Abbreviations and acronyms

R99 *current version:* 8.0.0  
*freeze\_meeting:* SP-06  
*history (event, available, version,*

*WG (prime / other):* GP / - *rapporteur:* CLAYTON, Michael EMCOM Ltd  
*G: yes U:* *MCC:* USAI, Paolino

upgrade to R99	10/05/2000	8 . 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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Server ACTIVE specs R99 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>TR 01.31</b>	<b>Fraud Information Gathering System (FIGS); Service requirements; Stage 0</b>								
R99	<i>current version:</i> 8.0.0 <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 30/06/2000 8 . 0 . 0	G: yes U:	<i>MCC:</i> POPE, Maurice						
		<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .						
<hr/>									
<b>TR 01.33</b>	<b>Lawful Interception requirements for GSM</b>								
R99	<i>current version:</i> 8.0.0 <i>freeze_meeting:</i> SP-06	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> MCKIBBEN, Bernie	MOTOROLA GmbH					
	<i>history (event, available, version,</i> Upgrade to R99 30/06/2000 8 . 0 . 0	G: yes U:	<i>MCC:</i> POPE, Maurice						
		<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .						
<hr/>									
<b>TS 01.61</b>	<b>General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements</b>								
R99	<i>current version:</i> 8.0.0 <i>freeze_meeting:</i> SP-06	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WALKER, Michael	VODAFONE Group Plc					
	<i>history (event, available, version,</i> Upgrade to R99 30/06/2000 8 . 0 . 0	G: yes U:	<i>MCC:</i> POPE, Maurice						
		<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> .						

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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 02.09</b>	<b>Security aspects</b>								
R99	<i>current version:</i> 8.0.1 <i>freeze_meeting:</i> SP-06	<i>WG (prime / other):</i> S3 / S1 / NP	<i>rapporteur:</i> CHRISTOFFERSSON, Telia Promotor AB						
	<i>history (event, available, version,</i> Upgrade to R99 30/06/2000 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> <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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[http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

<b>TS 02.17</b>	<b>Subscriber Identity Module (SIM); Functional characteristics</b>								
R99	current version: 8.0.0	WG (prime / other):	T3 / S1	rapporteur:	HOOKER, Philip	ORANGE PCS LTD			
	freeze_meeting: SP-06	G: yes U:		MCC:	DIETZE, Claus				
	history (event, available, version,								
	smg-30 11/11/1999 8 . 0 . 0								
		<a href="#">get it</a>		remarks - general:					
				remarks - this release:					
<b>TS 02.19</b>	<b>Subscriber Identity Module Application Programming Interface (SIM API); Stage 1</b>								
R99	current version: 8.0.0	WG (prime / other):	T3 / -	rapporteur:	DIETRICH, Christian	SchlumbergerSema - Schlumberger Systèmes S.A			
	freeze_meeting: SP-12	G: yes U:		MCC:	DIETZE, Claus				
	history (event, available, version,								
	TP-12 01/02/2002 8 . 0 . 0 delayed awaiting 11.14								
		<a href="#">get it</a>		remarks - general:	SMG9->T3@#31				
				remarks - this release:	Target: Mid-2001; must await stable 11.14 R99. TP-12: approved. 2002-01-31: (Sanders) reinstated to fill the gap between R98 and Rel-4!				
<b>TS 02.33</b>	<b>Lawful Interception (LI); Stage 1</b>								
R99	current version: 8.0.1	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 14/04/2000 8 . 0 . 0								
	ETSI publication 05/06/2001 8 . 0 . 1								
		<a href="#">get it</a>		remarks - general:					
		<a href="#">get it</a>		remarks - this release:	.				
<b>TS 02.43</b>	<b>Support of Localised Service Area (SoLSA); Service description; Stage 1</b>								
R99	current version: 8.0.0	WG (prime / other):	S1 /	rapporteur:	KOKKOLA, Tommi	NOKIA Corporation			
	freeze_meeting: SP-06	G: yes U:		MCC:	CLAYTON, Michael				
	history (event, available, version,								
	SP-11 02/05/2001 8 . 0 . 0								
		<a href="#">get it</a>		remarks - general:					
				remarks - this release:	TSG#11:R98 upgraded to Rel-4 (42.043) so assume we need a Rel-1999 version				
<b>TS 02.48</b>	<b>Security mechanisms for the SIM Application Toolkit; Stage 1</b>								
R99	current version: 8.0.0	WG (prime / other):	T3 / S3	rapporteur:	BARNES, Nigel	MOTOROLA Ltd			
	freeze_meeting: SP-06	G: yes U:		MCC:	DIETZE, Claus				
	history (event, available, version,								
	Upgrade to R99 17/05/2000 8 . 0 . 0								
		<a href="#">get it</a>		remarks - general:	SMG9->T3@#31				
				remarks - this release:	.				

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)

<b>TS 02.53</b>	<b>Tandem Free Operation (TFO); Service description; Stage 1</b>								
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		<a href="#">get it</a>	remarks - general:	SMG11->S4 at SMG#30			
	ETSI publication 20/07/2001	8 . 0 . 1		<a href="#">get it</a>	remarks - this release:	Nov-00: Created to fill the gap.			
<b>TS 02.56</b>	<b>GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1</b>								
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		<a href="#">get it</a>	remarks - general:				
	ETSI publication 17/10/2000	8 . 0 . 1		<a href="#">get it</a>	remarks - this release:	.			
<b>TS 02.68</b>	<b>Voice Group Call Service (VGCS); Stage 1</b>								
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		<a href="#">get it</a>	remarks - general:				
	SP-10 12/01/2001	8 . 1 . 0		<a href="#">get it</a>	remarks - this release:				
<b>TS 02.69</b>	<b>Voice Broadcast Service (VBS); Stage 1</b>								
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		<a href="#">get it</a>	remarks - general:				
	ETSI publication 17/10/2000	8 . 0 . 1		<a href="#">get it</a>	remarks - this release:	. TSG#10:8.1.0			
	SP-10 12/01/2001	8 . 1 . 0		<a href="#">get it</a>					
<b>TS 02.76</b>	<b>Noise Suppression for the AMR</b>								
R99	current version: 8.0.1	WG (prime / other):	S4 / -	rapporteur:	USAI, Paolino	Telecom Italia Lab 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		<a href="#">get it</a>	remarks - this release:				
	ETSI publication 30/07/2002	8 . 0 . 1	ETSI publication only - 3GPP use 8.0.0	<a href="#">get it</a>					
	(not for 3GPP server)								

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

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<b>TS 02.94</b>	<b>Follow Me Service description; Stage 1</b>					
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,					
	smg-28 11/11/1999 1 . 0 . 0			remarks - general:		
	smg-30 11/11/1999 8 . 0 . 0			<a href="#">get it</a> remarks - this release: #28: 1.0.0 #30: 8.0.0 August 2001: still debating whether this is GSM-only or		
<hr/>						
<b>TS 02.95</b>	<b>Support of Private Numbering Plan (SPNP); Service description; Stage 1</b>					
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			remarks - general:		
				<a href="#">get it</a> 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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<b>TR 03.05</b>	<b>Technical performance objectives</b>					
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			remarks - general:		
				<a href="#">get it</a> remarks - this release: .		
<hr/>						
<b>TS 03.10</b>	<b>GSM Public Land Mobile Network (PLMN) Connection Types</b>					
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			remarks - general:		
	NP-06 17/12/1999 8 . 1 . 0			<a href="#">get it</a> remarks - this release:		
	NP-09 18/10/2000 8 . 2 . 0			<a href="#">get it</a>		
	NP-10 21/12/2000 8 . 3 . 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 03.13</b>	<b>Discontinuous Reception (DRX) in the GSM System</b>				
R99	<i>current version:</i> 8.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> USAI, Paolino	Telecom Italia Lab 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>				
	Upgrade to R99 29/03/2000 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i> .		
<hr/>					
<b>TS 03.19</b>	<b>GSM API for SIM toolkit stage 2</b>				
R99	<i>current version:</i> 8.5.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> DIETRICH, Christian	SchlumbergerSema - Schlumberger Systèmes S.A	
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>	<i>MCC:</i> DIETZE, Claus		
	<i>history (event, available, version,</i>				
	Upgrade to R99 27/07/2001 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> SMG9->T3@#31		
	TP-11 27/07/2001 8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	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-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	<i>current version:</i> 8.1.0	<i>WG (prime / other):</i> S3 / NP /	<i>rapporteur:</i> NGUYEN NGOC,	France Telecom	
	<i>freeze_meeting:</i> SP-06	GP	Sebastien		
	<i>history (event, available, version,</i>	<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice		
	smg-30 24/11/1999 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>		

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<b>TS 03.22</b>	<b>Functions related to Mobile Station (MS) in idle mode and group receive mode</b>					
R99	current version: 8.7.0 freeze_meeting: SP-06	WG (prime / other): G1 / N1	rapporteur: ANDERSEN, Niels Peter Skov USAI, Paolino	MOTOROLA A/S		
	history (event, available, version,	G: yes U:	MCC:			
	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>				
<b>TR 03.26</b>	<b>Multiband operation of GSM/DCS 1800 by a single operator</b>					
R99	current version: 8.0.0 freeze_meeting: SP-06	WG (prime / other): G1 / NP	rapporteur: ANDERSEN, Niels Peter Skov USAI, Paolino	MOTOROLA A/S		
	history (event, available, version,	G: yes U:	MCC:			
	Upgrade to R99 29/03/2000 8 . 0 . 0	<a href="#">get it</a>	remarks - general:			
			remarks - this release:	.		
<b>TR 03.30</b>	<b>Radio Network Planning Aspects</b>					
R99	current version: 8.3.0 freeze_meeting: SP-06	WG (prime / other): GP / -	rapporteur: TEGTH, Ulf USAI, Paolino	TELIA AB		
	history (event, available, version,	G: yes U:	MCC:			
	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:	#29: 8.0.0 #30: 8.1.0 #30b: 8.2.0 #31:8.3.0		
	smg-30 bis 06/12/1999 8 . 2 . 0	<a href="#">get it</a>				
	smg-31 16/02/2000 8 . 3 . 0	<a href="#">get it</a>				
<b>TS 03.33</b>	<b>Lawful Interception; Stage 2</b>					
R99	current version: 8.1.0 freeze_meeting: SP-06	WG (prime / other): S3 / -	rapporteur: MCKIBBEN, Bernie POPE, Maurice	MOTOROLA GmbH		
	history (event, available, version,	G: yes U:	MCC:			
	Upgrade to R99 30/06/2000 8 . 0 . 0	<a href="#">get it</a>	remarks - general:			
	SP-10 21/12/2000 8 . 1 . 0	<a href="#">get it</a>	remarks - this release:	TSG#10:8.1.0		

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<b>TS 03.45</b>	<b>Technical Realization of Facsimile Group 3 Service - transparent</b>					
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat		
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version,</i>					
	smg-29 30/06/1999 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication 30/10/2001 8 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>						
<b>TS 03.46</b>	<b>Technical Realization of Facsimile Group 3 Service - non transparent</b>					
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat		
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version,</i>					
	NP-06 17/12/1999 8 . 0 . 0 (source Klehn)	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI puboication 8 . 0 . 1 ETSI format only. Not for 3GPP use.		<i>remarks - this release:</i>			
<hr/>						
<b>TS 03.48</b>	<b>Security mechanisms for SIM application toolkit; Stage 2</b>					
R99	<i>current version:</i> 8.8.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> BARNES, Nigel	MOTOROLA Ltd		
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>	<i>MCC:</i> DIETZE, Claus			
	<i>history (event, available, version,</i>					
	smg-29 30/06/1999 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> SMG9->T3@#31			
	smg-30 11/11/1999 8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-31 16/02/2000 8 . 2 . 0	<a href="#">get it</a>				
	TP-08 28/06/2000 8 . 3 . 0	<a href="#">get it</a>				
	TP-09 18/10/2000 8 . 4 . 0	<a href="#">get it</a>				
	TP-11 09/04/2001 8 . 5 . 0	<a href="#">get it</a>				
	TP-12 06/07/2001 8 . 6 . 0	<a href="#">get it</a>				
	TP-13 12/10/2001 8 . 7 . 0	<a href="#">get it</a>				
	TP-14 17/01/2002 8 . 8 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 03.50</b>	<b>Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System</b>					
R99	<i>current version:</i> 8.1.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	Telecom Italia Lab 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>					
	Upgrade to R99 29/03/2000 8 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication 22/09/2000 8 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #32:8.1.0			
	smg-32 20/06/2000 8 . 1 . 0	<a href="#">get it</a>				
	ETSI publication 29/11/2000 8 . 1 . 1	<a href="#">get it</a>				

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<b>TS 03.52</b>	<b>Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2</b>					
R99	current version: 8.0.1	WG (prime / other): G1 / -	rapporteur: GIRAUD, Alexis	ALCATEL S.A.		
	freeze_meeting: SP-06	G: yes U:	MCC: USAI, Paolino			
	history (event, available, version,					
	Upgrade to R99 29/03/2000 8 . 0 . 0	<a href="#">get it</a>	remarks - general:			
	ETSI publication 29/09/2000 8 . 0 . 1	<a href="#">get it</a>	remarks - this release: .			
<hr/>						
<b>TS 03.53</b>	<b>Tandem Free Operation (TFO); Service description; Stage 2</b>					
R99	current version: 8.0.0	WG (prime / other): S4 / NP /	rapporteur: FAUCONNIER, Denis	NORTEL NETWORKS (EUROPE)		
	freeze_meeting: SP-06	S2	MCC: USAI, Paolino			
	history (event, available, version,	G: yes U:				
	Upgrade to R99 30/03/2000 8 . 0 . 0	<a href="#">get it</a>	remarks - general: Mar00: prime responsibility txfrd to SMG11			
			remarks - this release: .			
<hr/>						
<b>TS 03.55</b>	<b>Dual Transfer Mode (DTM); Stage 2</b>					
R99	current version: 8.0.0	WG (prime / other): G1 / G2	rapporteur: CARRIZO MARTINEZ,	VODAFONE Group Plc		
	freeze_meeting: SP-06	G: yes U:	Jose Luis			
	history (event, available, version,		MCC: USAI, Paolino			
	GP-02 05/01/2001 8 . 0 . 0	<a href="#">get it</a>	remarks - general:			
			remarks - this release: GERAN#2: 8.0.0			
<hr/>						
<b>TR 03.58</b>	<b>Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)</b>					
R99	current version: 8.0.0	WG (prime / other): S4 / -	rapporteur: MONFORT, Jean-Yves	France Telecom		
	freeze_meeting: SP-06	G: yes U:	MCC: USAI, Paolino			
	history (event, available, version,					
	Upgrade to R99 30/03/2000 8 . 0 . 0	<a href="#">get it</a>	remarks - general:			
			remarks - this release: .			

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<b>TS 03.64</b>	<b>General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2</b>				
R99	<i>current version:</i> 8.10.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> LEPPISAARI, Arto	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-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-30 bis 06/12/1999 8 . 2 . 0	<a href="#">get it</a>			
	smg-31 16/02/2000 8 . 3 . 0	<a href="#">get it</a>			
	smg-31 bis 17/04/2000 8 . 4 . 0	<a href="#">get it</a>			
	smg-32 20/06/2000 8 . 5 . 0	<a href="#">get it</a>			
	GP-01 09/10/2000 8 . 6 . 0	<a href="#">get it</a>			
	GP-03 15/02/2001 8 . 7 . 0	<a href="#">get it</a>			
	GP-04 20/04/2001 8 . 8 . 0	<a href="#">get it</a>			
	GP-07 04/01/2002 8 . 9 . 0	<a href="#">get it</a>			
	GP-08 19/02/2002 8 . 10 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 03.68</b>	<b>Voice Group Call Service (VGCS); Stage 2</b>				
R99	<i>current version:</i> 8.2.0	<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> #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	<i>current version:</i> 8.2.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> MÜNNING, Dirk	DETECON GMBH	
	<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> 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>			

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## TS 03.71 Location Services (LCS); Functional description; Stage 2

R99 current version: 8.7.0  
freeze\_meeting: SP-06

WG (prime / other): S2 / - rapporteur: BROOK, Richard SAMSUNG Electronics Research Institute  
G: yes U: MCC: SULTAN, Alain

history (event, available, version,  
Upgrade to R99 30/06/2000 8 . 0 . 0  
SP-11 11/04/2001 8 . 1 . 0  
SP-12 29/06/2001 8 . 2 . 0  
SP-13 15/10/2001 8 . 3 . 0  
SP-14 07/01/2002 8 . 4 . 0  
SP-15 02/04/2002 8 . 5 . 0  
SP-16 17/06/2002 8 . 6 . 0  
SP-17 24/09/2002 8 . 7 . 0

[get it](#) remarks - general:  
[get it](#) remarks - this release: Need identified at TSG#7, since 23.171 does not cover GSM.  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

## TS 03.73 Support of Localised Service Area (SoLSA); Stage 2

R99 current version: 8.0.0  
freeze\_meeting: SP-16

WG (prime / other): N4 / - rapporteur: KYMALAINEN, Kimmo SONERA Corporation  
G: yes U: MCC: KYMALAINEN, Kimmo

history (event, available, version,  
SP-16 24/06/2002 8 . 0 . 0 technically identical to 23.073 v3.0.1

[get it](#) 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.

R99

04 .- series

Server location: [http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

## TS 04.01 Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles

R99 current version: 8.0.0  
freeze\_meeting: SP-06

WG (prime / other): N1 / - rapporteur: ANDERSEN, Niels MOTOROLA A/S  
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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<b>TS 04.03</b>	<b>Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities</b>					
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			<a href="#">get it</a>	remarks - general:	
	ETSI publication 07/09/2001			<a href="#">get it</a>	remarks - this release:	
	edito 17/06/2002			<a href="#">get it</a>		
<b>TS 04.04</b>	<b>Layer 1 - General Requirements</b>					
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			<a href="#">get it</a>	remarks - general:	
	smg-30 bis 06/12/1999			<a href="#">get it</a>	remarks - this release:	
	ETSI publication 07/09/2001			<a href="#">get it</a>		
	edito 17/06/2002			<a href="#">get it</a>		
<b>TS 04.05</b>	<b>Data Link (DL) Layer General Aspects</b>					
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			<a href="#">get it</a>	remarks - general:	
	ETSI publication 22/09/2000			<a href="#">get it</a>	remarks - this release:	
	edito 17/06/2002			<a href="#">get it</a>		
<b>TS 04.06</b>	<b>Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification</b>					
R99	current version: 8.2.1	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,					
	Upgrade to R99 30/03/2000			<a href="#">get it</a>	remarks - general:	
	ETSI publication 29/09/2000			<a href="#">get it</a>	remarks - this release:	
	GP-03 31/01/2001			<a href="#">get it</a>		
	edito 31/01/2001			<a href="#">get it</a>		
	GP-08 19/02/2002			<a href="#">get it</a>		
	edito 17/06/2002			<a href="#">get it</a>		

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<b>TS 04.08</b>	<b>Mobile radio interface layer 3 specification</b>					
R99	current version: 8.0.0	WG (prime / other):	N1 / G2	rapporteur:	HOWELL, Andrew	MOTOROLA Ltd
	freeze_meeting: SP-06	G: yes U:		MCC:	JORGENSEN, Per Johan	
	history (event, available, version, smg-29 30/06/2000 8 . 0 . 0			<a href="#">get it</a>	remarks - general:	04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert
					remarks - this release:	#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	current version: 8.0.0	WG (prime / other):	G2 / T2	rapporteur:	ANDERSEN, Niels	MOTOROLA A/S
	freeze_meeting: GP-04	G: yes U:		MCC:	Peter Skov THOMASEN, Gert	
	history (event, available, version, GP-04 24/04/2001 8 . 0 . 0			<a href="#">get it</a>	remarks - general:	
					remarks - this release:	Replaces 24.012 R99.
<hr/>						
<b>TS 04.13</b>	<b>Performance Requirements on Mobile Radio Interface</b>					
R99	current version: 8.0.1	WG (prime / other):	N1 / -	rapporteur:	PUDNEY, Chris	VODAFONE Group Plc
	freeze_meeting: SP-06	G: yes U:		MCC:	JORGENSEN, Per Johan	
	history (event, available, version, smg-31 16/02/2000 8 . 0 . 0 ETSI publication 29/08/2000 8 . 0 . 1			<a href="#">get it</a>	remarks - general:	
				<a href="#">get it</a>	remarks - this release:	#31: 8.0.0
<hr/>						
<b>TS 04.14</b>	<b>Individual equipment type requirements and interworking; Special conformance testing functions</b>					
R99	current version: 8.4.0	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 smg-32 20/06/2000 8 . 1 . 0 GP-04 24/04/2001 8 . 2 . 0 GP-05 18/06/2001 8 . 3 . 0 GP-10 19/07/2002 8 . 4 . 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>		

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

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**TS 04.18 Mobile radio interface layer 3 specification; Radio Resource Control Protocol**

R99 *current version:* 8.17.0 *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-30 bis	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-31 bis	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		8	.	17	.	0		

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**TS 04.21 Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface**

R99 *current version:* 8.3.0 *WG (prime / other):* N3 / - *rapporteur:* RÄSÄNEN, Juha NOKIA Corporation  
*freeze\_meeting:* SP-06 *G: yes U:* *MCC:* BOSWARTHICK, David

*history (event, available, version,*

smg-29	30/06/1999	8	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
NP-08	28/06/2000	8	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> #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	<a href="#">get it</a>	
NP-10	21/12/2000	8	.	3	.	0	<a href="#">get it</a>	

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

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<b>TS 04.31</b>	<b>Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)</b>				
R99	current version: 8.10.0	WG (prime / other): G2 / -	rapporteur: GARAPATY, Sonia	Nortel Networks (USA)	
	freeze_meeting: SP-06	G: yes U:	MCC: THOMASEN, Gert		
<i>history (event, available, version,</i>					
Upgrade to R99	30/03/2000	8 . 0 . 0	<a href="#">get it</a>	remarks - general:	
smg-31 bis	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-03	31/01/2001	8 . 3 . 0	<a href="#">get it</a>		
GP-04	04/05/2001	8 . 4 . 0	<a href="#">get it</a>		
GP-05	18/06/2001	8 . 5 . 0	<a href="#">get it</a>		
GP-06	14/09/2001	8 . 6 . 0	<a href="#">get it</a>		
GP-07	08/01/2002	8 . 7 . 0	<a href="#">get it</a>		
GP-08	19/02/2002	8 . 8 . 0	<a href="#">get it</a>		
GP-09	02/05/2002	8 . 9 . 0	<a href="#">get it</a>		
GP-10	19/07/2002	8 . 10 . 0	<a href="#">get it</a>		
<hr/>					
<b>TS 04.35</b>	<b>Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods</b>				
R99	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		
<i>history (event, available, version,</i>					
Upgrade to R99	30/03/2000	8 . 0 . 0	<a href="#">get it</a>	remarks - general:	
smg-31 bis	17/04/2000	8 . 1 . 0	<a href="#">get it</a>	remarks - this release:	
GP-01	11/10/2000	8 . 2 . 0	<a href="#">get it</a>		
GP-03	31/01/2001	8 . 3 . 0	<a href="#">get it</a>		
GP-07	08/01/2002	8 . 4 . 0	<a href="#">get it</a>		
edito	17/06/2002	8 . 4 . 1	<a href="#">get it</a>		
<hr/>					
<b>TS 04.56</b>	<b>GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification</b>				
R99	current version: 8.0.1	WG (prime / other): N1 / -	rapporteur: HUPPERICH, Peter	ALCATEL Kommunikations-Elektronik GmbH	
	freeze_meeting: SP-06	G: yes U:	MCC: JORGENSEN, Per Johan		
<i>history (event, available, version,</i>					
smg-31	16/02/2000	8 . 0 . 0	<a href="#">get it</a>	remarks - general:	
ETSI publication	29/08/2000	8 . 0 . 1	<a href="#">get it</a>	remarks - this release: #31: 8.0.0	

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<b>TS 04.57</b>	<b>GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification</b>				
R99	<i>current version:</i> 8.0.1		<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> HUPPERICH, Peter	ALCATEL Kommunikations-Elektronik GmbH
	<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>	
	ETSI publication 29/08/2000	8 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #31: 8.0.0</i>	
<hr/>					
<b>TS 04.60</b>	<b>General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol</b>				
R99	<i>current version:</i> 8.17.0		<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> BLACK, Jyoti	MOTOROLA
	<i>freeze_meeting:</i> SP-06		<i>G: yes U:</i>	<i>MCC:</i> THOMASEN, Gert	
	<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>	
	smg-30 bis 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-31 bis 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	8 . 17 . 0			

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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> SALKINTZIS, Apostolis	MOTOROLA GmbH	
	<i>freeze_meeting:</i> SP-06	<i>G:</i> yes <i>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>			
<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>				
R99	<i>current version:</i> 8.2.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> SALKINTZIS, Apostolis	MOTOROLA GmbH	
	<i>freeze_meeting:</i> SP-06	<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>	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>			
<hr/>					
<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:</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>		
	NP-07 17/03/2000 8 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
<hr/>					
<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:</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>		
	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 *WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* SP-06 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:*  
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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:* 8.6.0 *WG (prime / other):* G1 / - *rapporteur:* JOKINEN, Harri NOKIA MOBILE PHONES  
*freeze\_meeting:* SP-06 G: yes U: *MCC:* USAI, Paolino

*history (event, available, version,*

smg-29	30/06/1999	8	.	0	.	0
smg-30	11/11/1999	8	.	1	.	0
smg-30 bis	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

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
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## TS 05.02 Multiplexing and Multiple Access on the Radio Path

R99 *current version:* 8.10.0

*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-30 bis 06/12/1999 8 . 2 . 0

smg-31 16/02/2000 8 . 3 . 0

smg-31 bis 17/04/2000 8 . 4 . 0

ETSI publication 8 . 4 . 1

smg-32 20/06/2000 8 . 5 . 0

ETSI publication 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

*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:* 8.6.1

*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-30 bis 06/12/1999 8 . 2 . 0

smg-31 16/02/2000 8 . 3 . 0

smg-31 bis 17/04/2000 8 . 4 . 0

ETSI publication 17/10/2000 8 . 4 . 1

smg-32 20/06/2000 8 . 5 . 0

GP-02 24/11/2000 8 . 6 . 0

edito 15/02/2001 8 . 6 . 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:* #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  
*G: yes U:* *MCC:* USAI, Paolino

NOKIA Corporation

smg-28 12/02/1999 8 . 0 . 0  
smg-30 bis 06/12/1999 8 . 1 . 0  
edito 02/12/2000 8 . 1 . 1  
ETSI publication 21/02/2001 8 . 1 . 2  
GP-03 15/02/2001 8 . 2 . 0  
GP-05 29/06/2001 8 . 3 . 0  
GP-07 04/01/2002 8 . 4 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
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## TS 05.05 Radio Transmission and Reception

R99 *current version:* 8.14.0  
*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  
smg-30 11/11/1999 8 . 1 . 0  
smg-30 bis 06/12/1999 8 . 2 . 0  
smg-31 16/02/2000 8 . 3 . 0  
ETSI publication 29/09/2000 8 . 3 . 1  
smg-31 bis 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-09 06/05/2002 8 . 12 . 0  
GP-10 19/07/2002 8 . 13 . 0  
GP-11 19/09/2002 8 . 14 . 0

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
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## TS 05.08 Radio Subsystem Link Control

R99 current version: 8.15.0

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-30 bis	06/12/1999	8	.	2	.	0
smg-31	16/02/2000	8	.	3	.	0
smg-31 bis	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

WG (prime / other): G1 / - rapporteur: EL-SAIGH, Amer

G: yes U: MCC: USAI, Paolino

VODAFONE Group Plc

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[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

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

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<b>TS 05.10</b>	<b>Radio subsystem synchronization</b>				
R99	current version: 8.10.0	WG (prime / other): G1 / -	rapporteur: JOKINEN, Harri	NOKIA MOBILE PHONES	
	freeze_meeting: SP-06	G: yes U:	MCC: USAI, Paolino		
	history (event, available, version,				
	smg-30 11/11/1999 8 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	smg-30 bis 06/12/1999 8 . 1 . 0	<a href="#">get it</a>	remarks - this release:		
	smg-31 16/02/1999 8 . 2 . 0	<a href="#">get it</a>			
	ETSI publication 29/09/2000 8 . 2 . 1	<a href="#">get it</a>			
	smg-31 bis 17/04/2000 8 . 3 . 0	<a href="#">get it</a>			
	smg-32 20/06/2000 8 . 4 . 0	<a href="#">get it</a>			
	GP-01 10/10/2000 8 . 5 . 0	<a href="#">get it</a>			
	GP-02 24/11/2000 8 . 6 . 0	<a href="#">get it</a>			
	edito 30/11/2000 8 . 6 . 1	<a href="#">get it</a>			
	GP-03 15/02/2001 8 . 7 . 0	<a href="#">get it</a>			
	GP-04 20/04/2001 8 . 8 . 0	<a href="#">get it</a>			
	GP-08 19/02/2002 8 . 9 . 0	<a href="#">get it</a>			
	GP-10 19/07/2002 8 . 10 . 0	<a href="#">get it</a>			
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<b>TR 05.22</b>	<b>Radio link management in hierarchical networks</b>				
R99	current version: 8.0.0	WG (prime / other): G1 / -	rapporteur: VAN BUSSEL, Han	T-MOBILE DEUTSCHLAND	
	freeze_meeting: SP-06	G: yes U:	MCC: USAI, Paolino		
	history (event, available, version,				
	Upgrade to R99 30/03/2000 8 . 0 . 0	<a href="#">get it</a>	remarks - general:		
			remarks - this release: .		
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<b>TR 05.50</b>	<b>Background for RF Requirements</b>				
R99	current version: 8.2.0	WG (prime / other): G1 / -	rapporteur: ANDERSEN, Niels	MOTOROLA A/S	
	freeze_meeting: SP-06	G: yes U:	Peter Skov		
	history (event, available, version,		MCC: USAI, Paolino		
	smg-30 11/11/1999 8 . 0 . 0	<a href="#">get it</a>	remarks - general:		
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	smg-31 bis 17/04/2000 8 . 2 . 0	<a href="#">get it</a>			

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**TS 05.56 GSM Cordless Telephony System (CTS), Phase 1; CTS-Fixed Part (FP) radio subsystem**  
R99 *current version:* 8.0.1 *WG (prime / other):* G1 / - *rapporteur:* USAI, Paolino Telecom Italia Lab 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 Lab 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> AFTELAKE, Steve	MOTOROLA Ltd					
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino						
	<i>history (event, available, version,</i>								
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	ETSI Publication 15/11/2000 8 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .						
<b>TR 06.08</b>	<b>Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec</b>								
R99	<i>current version:</i> 8.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SALEM, Tarek	T-MOBILE DEUTSCHLAND					
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino						
	<i>history (event, available, version,</i>								
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			<i>remarks - this release:</i> .						
<b>TS 06.10</b>	<b>Full Rate Speech Transcoding</b>								
R99	<i>current version:</i> 8.2.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> LORENZ, Dietmar	PHILIPS Semiconductors					
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino						
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	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>							
<b>TS 06.11</b>	<b>Substitution and Muting of Lost Frames for Full Rate Speech Channels</b>								
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> NAVARRO, William	NORTEL NETWORKS (EUROPE)					
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino						
	<i>history (event, available, version,</i>								
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	ETSI Publication 15/11/2000 8 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .						
<b>TS 06.12</b>	<b>Comfort Noise Aspects for Full Rate Speech Traffic Channels</b>								
R99	<i>current version:</i> 8.1.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SERENO, Daniele	TELECOM ITALIA S.p.A.					
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino						
	<i>history (event, available, version,</i>								
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	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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<b>TS 06.20</b>	<b>Half Rate Speech Transcoding</b>					
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	<a href="#">get it</a>	remarks - general:			
	ETSI Publication 15/11/2000 8 . 0 . 1	<a href="#">get it</a>	remarks - this release: .			
<b>TS 06.21</b>	<b>Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels</b>					
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			
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<b>TS 06.22</b>	<b>Comfort Noise Aspects for Half Rate Speech Traffic Channels</b>					
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	<a href="#">get it</a>	remarks - general:			
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<b>TS 06.31</b>	<b>Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels</b>					
R99	current version: 8.0.1	WG (prime / other): S4 / -	rapporteur: USAI, Paolino	Telecom Italia Lab 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	<a href="#">get it</a>	remarks - general:			
	ETSI Publication 15/11/2000 8 . 0 . 1	<a href="#">get it</a>	remarks - this release: .			
<b>TS 06.32</b>	<b>Voice Activity Detection (VAD)</b>					
R99	current version: 8.0.1	WG (prime / other): S4 / -	rapporteur: BARRETT, Paul	Indicate persons who left Company and wait for new One		
	freeze_meeting: SP-06	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:			
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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 Lab S.p.A.	
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
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<b>TS 06.42</b>	<b>Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels</b>					
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> BARRETT, Paul		Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
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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			
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	SP-10 20/12/2000 8 . 2 . 0	<a href="#">get it</a>				
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<b>TS 06.53</b>	<b>ANSI-C code for the GSM Enhanced Full Rate (EFR) speech codec</b>					
R99	<i>current version:</i> 8.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari		NOKIA Corporation	
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
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	ETSI Publication 15/11/2000 8 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> .			

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<b>TS 06.54</b>	<b>Test sequences for the GSM Enhanced Full Rate (EFR)</b>				
R99	current version: 8.2.0	WG (prime / other): S4 / -	rapporteur: JÄRVINEN, Kari	NOKIA Corporation	
	freeze_meeting: SP-06	G: yes U:	MCC: USAI, Paolino		
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	smg-32 20/06/2000 8 . 1 . 0	<a href="#">get it</a>			
	SP-10 20/12/2000 8 . 2 . 0	<a href="#">get it</a>			
<b>TR 06.55</b>	<b>Performance characterisation of the GSM EFR Speech Codec</b>				
R99	current version: 8.0.0	WG (prime / other): S4 / -	rapporteur: SALEM, Tarek	T-MOBILE DEUTSCHLAND	
	freeze_meeting: SP-06	G: yes U:	MCC: USAI, Paolino		
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			remarks - this release: .		
<b>TS 06.60</b>	<b>Enhanced full rate speech transcoding</b>				
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,				
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	ETSI Publication 15/11/2000 8 . 0 . 1	<a href="#">get it</a>	remarks - this release: .		
<b>TS 06.61</b>	<b>Substitution and muting of lost frames for enhanced full rate speech traffic channels</b>				
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,				
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<b>TS 06.62</b>	<b>Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels</b>				
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	<a href="#">get it</a>	remarks - general:		
	ETSI Publication 15/11/2000 8 . 0 . 1	<a href="#">get it</a>	remarks - this release: .		

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<b>TR 06.76</b>	<b>Adaptive Multi-Rate (AMR) speech codec; Study phase report</b>					
R99	current version: 8.0.1	WG (prime / other): S4 / -	rapporteur: USAI, Paolino	Telecom Italia Lab S.p.A.		
	freeze_meeting: SP-06	G: yes U:	MCC: USAI, Paolino			
	history (event, available, version,					
	SP-07 20/06/2000 8 . 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					
		<a href="#">get it</a>				
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<b>TS 06.77</b>	<b>Minimum Performance Requirements for Noise Suppressor Application to the AMR Speech Encoder</b>					
R99	current version: 8.1.1	WG (prime / other): S4 / -	rapporteur: USAI, Paolino	Telecom Italia Lab 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				remarks - general:	
	SP-11 10/04/2001 8 . 1 . 0				remarks - this release:	#32:8.0.0 TSG#11:8.1.0
	edito 03/05/2001 8 . 1 . 1					
		<a href="#">get it</a>				
		<a href="#">get it</a>				
		<a href="#">get it</a>				
<b>TR 06.78</b>	<b>Results of the AMR noise suppression selection phase</b>					
R99	current version: 8.0.0	WG (prime / other): S4 / -	rapporteur: USAI, Paolino	Telecom Italia Lab 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				remarks - general:	
		<a href="#">get it</a>			remarks - this release:	#32:8.0.0
<b>TS 06.81</b>	<b>Discontinuous Transmission (DTX) for enhanced full rate speech traffic channels</b>					
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			
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	ETSI Publication 15/11/2000 8 . 0 . 1				remarks - this release:	.
		<a href="#">get it</a>				
		<a href="#">get it</a>				
<b>TS 06.82</b>	<b>Voice Activity Detection (VAD) for enhanced full rate speech traffic channels</b>					
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				remarks - general:	
	ETSI Publication 15/11/2000 8 . 0 . 1				remarks - this release:	.
		<a href="#">get it</a>				
		<a href="#">get it</a>				

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**TR 06.85 Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation**  
R99 *current version:* 8.0.0 *WG (prime / other):* S4 / - *rapporteur:* USAI, Paolino Telecom Italia Lab 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  
*history (event, available, version,* THOMASEN, Gert  
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  
*history (event, available, version,* THOMASEN, Gert  
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  
*history (event, available, version,* THOMASEN, Gert  
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:* 8.13.0 *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-30 bis 06/12/1999 8 . 2 . 0 [get it](#)  
smg-31 16/02/2000 8 . 3 . 0 [get it](#)  
smg-31 bis 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](#)

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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	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:	
	edito 17/06/2002	8 . 0 . 1	<a href="#">get it</a>	remarks - this release: .	
<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	WG (prime / other): G2 / -	rapporteur: BLACK, Jyoti		MOTOROLA
	freeze_meeting: SP-06	G: yes U:	MCC: THOMASEN, Gert		
	history (event, available, version,				
	smg-30 11/11/1999	8 . 0 . 0	<a href="#">get it</a>	remarks - general:	
	smg-30 bis 06/12/1999	8 . 1 . 0	<a href="#">get it</a>	remarks - this release:	
	smg-31 16/02/2000	8 . 2 . 0	<a href="#">get it</a>		
	smg-31 bis 17/04/2000	8 . 3 . 0	<a href="#">get it</a>		
	GP-01 11/10/2000	8 . 4 . 0	<a href="#">get it</a>		
	GP-02 30/11/2000	8 . 5 . 0	<a href="#">get it</a>		
	edito 23/01/2001	8 . 5 . 1	<a href="#">get it</a>		
	GP-03 31/01/2001	8 . 6 . 0	<a href="#">get it</a>		
	GP-04 04/05/2001	8 . 7 . 0	<a href="#">get it</a>		
	GP-05 18/06/2001	8 . 8 . 0	<a href="#">get it</a>		
	GP-06 05/10/2001	8 . 9 . 0	<a href="#">get it</a>		
	GP-09 06/05/2002	8 . 10 . 0	<a href="#">get it</a>		
<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	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	<a href="#">get it</a>	remarks - general:	
	smg-30 11/11/1999	8 . 1 . 0	<a href="#">get it</a>	remarks - this release:	
	NP-09 18/10/2000	8 . 2 . 0	<a href="#">get it</a>		
	NP-10 21/12/2000	8 . 3 . 0	<a href="#">get it</a>		
	NP-11 04/04/2001	8 . 4 . 0	<a href="#">get it</a>		
	ETSI-format publication	8 . 4 . 1		ETSI publication only - 3GPP tp use	

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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,		G: yes U:	MCC: THOMASEN, Gert		
	smg-31 16/02/2000 8 . 0 . 0	<a href="#">get it</a>	remarks - general:			
	edito 17/06/2002 8 . 0 . 1	<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,		G: yes U:	MCC: THOMASEN, Gert		
	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: #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			
	smg-30 11/11/1999 8 . 2 . 0	<a href="#">get it</a>				
	smg-31 16/02/2000 8 . 3 . 0	<a href="#">get it</a>				
	smg-31 bis 17/04/2000 8 . 4 . 0	<a href="#">get it</a>				
	GP-01 11/10/2000 8 . 5 . 0	<a href="#">get it</a>				
	GP-02 30/11/2000 8 . 6 . 0	<a href="#">get it</a>				
<hr/>						
<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: 8.2.0 freeze_meeting: SP-06		WG (prime / other): G1 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	history (event, available, version,		G: yes U:	MCC: USAI, Paolino		
	smg-30 11/11/1999 8 . 0 . 1	<a href="#">get it</a>	remarks - general: 2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.			
	smg-30 bis 06/12/1999 8 . 1 . 0	<a href="#">get it</a>	remarks - this release:			
	ETSI publication 30/10/2001 8 . 1 . 1	<a href="#">get it</a>				
	GP-08 19/02/2002 8 . 2 . 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>					
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 Lab 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:	.
<hr/>						
<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-31 bis 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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09 .- series

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<b>TR 09.01</b>	<b>General Network Interworking Scenarios</b>					
R99	current version: 8.0.0	WG (prime / other):	N4 / -	rapporteur:	KYMALAINEN, Kimmo	SONERA Corporation
	freeze_meeting: SP-06	G: yes U:		MCC:	KYMALAINEN, Kimmo	
	history (event, available, version,					
	NP-07 15/03/2000 8 . 0 . 0	<a href="#">get it</a>		remarks - general:		
				remarks - this release:		
<hr/>						
<b>TS 09.08</b>	<b>Application of the Base Station System Application Part (BSSAP) on the E-Interface</b>					
R99	current version: 8.1.0	WG (prime / other):	N1 / -	rapporteur:	FARHOUMAND,	Ericsson Incorporated
	freeze_meeting: SP-06	G: yes U:		MCC:	Rouzbeh	
	history (event, available, version,				JORGENSEN, Per Johan	
	smg-31 16/02/2000 8 . 0 . 0	<a href="#">get it</a>		remarks - general:		
	NP-10 02/01/2001 8 . 1 . 0	<a href="#">get it</a>		remarks - this release:	#31: 8.0.0 TSG#10:8.1.0	
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<b>TS 09.31</b>	<b>Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)</b>					
R99	current version: 8.6.0	WG (prime / other):	G2 / -	rapporteur:	ANDERSEN, Niels	MOTOROLA A/S
	freeze_meeting: SP-06	G: yes U:		MCC:	Peter Skov	
	history (event, available, version,				THOMASEN, Gert	
	smg-31 16/02/2000 8 . 0 . 0	<a href="#">get it</a>		remarks - general:		
	smg-31 bis 17/04/2000 8 . 1 . 0	<a href="#">get it</a>		remarks - this release:		
	smg-32 20/06/2000 8 . 2 . 0	<a href="#">get it</a>				
	GP-01 01/09/2000 8 . 3 . 0	<a href="#">get it</a>				
	GP-06 14/09/2001 8 . 4 . 0	<a href="#">get it</a>				
	GP-07 08/01/2002 8 . 5 . 0	<a href="#">get it</a>				
	GP-10 19/07/2002 8 . 6 . 0	<a href="#">get it</a>				

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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:* SULTAN, Alain  
*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 [get it](#) *remarks - general:*  
draft 01/04/2000 1 . 22 . 0 [get it](#) *remarks - this release:*  
draft 25/05/2000 1 . 23 . 0 [get it](#)  
smg-32 20/06/2000 8 . 0 . 0 [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; Part1: Conformance specification**  
R99 *current version:* 8.3.0 *WG (prime / other):* G5 / S1 / *rapporteur:* SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* SP-06 NP /  
T2 /  
SCP  
/ G4  
*G:* yes *U:* *MCC:* SALMERON, Lidia  
*history (event, available, version,*  
smg-31 16/02/2000 8 . 0 . 0 [get it](#) *remarks - general:* R99 version now serves all releases. Earlier releases closed.. Subsequently  
smg-31 16/02/2000 8 . 1 . 0 [get it](#) *remarks - this release:* #32:closed. #32:8.2.0 GP-06: Rel-4 serves all releases. GP-06: reopened and  
replaced by Rel-5 equivalent. 2001-11-19: G4->G5.  
ETSI publication 30/10/2000 8 . 1 . 1 [get it](#) reclosed!  
smg-32 20/06/2000 8 . 2 . 0 [get it](#)  
GP-06 14/09/2001 8 . 3 . 0 [get it](#)

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## TS 11.10-4 Mobile Station (MS) Conformance Specification; Part 4: SIM Application Toolkit conformance specification

R99 *current version:* 8.0.0 *WG (prime / other):* G5 / G4, *rapporteur:* SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting:* SP-06 T3

*G:* yes *U:* *MCC:* SALMERON, Lidia

*history (event, available, version,*  
Upgrade to R99

8 . 0 . 0 (Version never produced) Withdrawn  
May 2000: no R99 version needed.

[get it](#)

*remarks - general:* 2001-11-19: G4->G5. TP-14: may be txferred to T3. TP-17: T3 proposes to take  
*remarks - this release:* May 00: R99 not anticipated. TP-17: T3 proposes to take over this spec from G5, over

this spec from G5, and to approve a new R99 version not derived from R96

Note that this v8.0.0 precedes the new  
drafts 0.0.1 & 2.0.0 presented at TP-14

and to approve a new R99 version not derived from R96 by CR; also to withdraw by CR;

also to withdraw the R96 version, since the R99 version will cover all

the R96 version, since the R99 version will cover all previous Releases.previous

Releases.

& TP-17 respectively.

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 8 . 0 . 0

## TS 11.11 Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface

R99 *current version:* 8.9.0 *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](#)

*remarks - general:*

smg-30 11/11/1999 8 . 1 . 0

[get it](#)

*remarks - this release:*

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 8 . 9 . 0

## TS 11.13 Test specification for SIM API for Java card

R99 *current version:* 8.1.0 *WG (prime / other):* T3 / - *rapporteur:* LLOBREGAT, Fernando OBERTHUR CARD SYSTEMS S.A.  
*freeze\_meeting:* *G:* yes *U:* *MCC:* DIETZE, Claus

*history (event, available, version,*

TP-17 18/09/2002 8 . 0 . 0 == v7.4.2

[get it](#)

*remarks - general:*

TP-18 8 . 1 . 0

*remarks - this release:* No work on R99! TP-14: Resurrected as identical copy of R98 v7.4.1.

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

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Server ACTIVE 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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<b>TS 11.14</b>	<b>Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface</b>								
R99	<i>current version:</i> 8.12.0 <i>freeze_meeting:</i> TP-06			<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> WOODSEND, Kristian		Indicate persons who left Company and wait for new One		
				<i>G:</i> yes <i>U:</i>	<i>MCC:</i>	DIETZE, Claus			
	<i>history (event, available, version,</i>								
	TP-18	4 . 0 . 0							<i>remarks - general:</i>
	smg-29 30/06/1999	8 . 0 . 0							<i>remarks - this release:</i> TP-11 to be :withdrawn at TP-12, subsumed in 31.111; however, CR approved at
	smg-30 11/11/1999	8 . 1 . 0							TP-12, so assume not yet withdrawn!
	smg-31 16/02/2000	8 . 2 . 0							
	Correction of CR implementation	31/05/2000	8 . 2 . 1						
	smg-32 20/06/2000	8 . 3 . 0							
	TP-09 18/10/2000	8 . 4 . 0							
	TP-10 05/01/2001	8 . 5 . 0							
	TP-11 09/04/2001	8 . 6 . 0							To be withdrawn at TSG#12, subsumed in 31.111
	TP-12 06/07/2001	8 . 7 . 0							Unwithdrawn!
	TP-13 12/10/2001	8 . 8 . 0							
	TP-14 16/01/2002	8 . 9 . 0							
	TP-15 28/03/2002	8 . 10 . 0							
	TP-16 25/06/2002	8 . 11 . 0							
	TP-18	8 . 12 . 0							
<b>TS 11.17</b>	<b>SIM test specification</b>								
R99	<i>current version:</i> 8.0.0 <i>freeze_meeting:</i> SP-06			<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> BREMNER, David		Indicate persons who left Company and wait for new One		
				<i>G:</i> yes <i>U:</i>	<i>MCC:</i>	DIETZE, Claus			
	<i>history (event, available, version,</i>								
	TP-18	8 . 0 . 0							Technically identical to v7.0.2
									<a href="#">get it</a> <i>remarks - general:</i>
									<i>remarks - this release:</i> May 00: R99 not anticipated. TP-18: R99 created.

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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/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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## TS 11.21 Base Station System (BSS) equipment specification; Radio aspects

R99 *current version:* 8.7.0 *WG (prime / other):* G3 / - *rapporteur:* VACANT,  
*freeze\_meeting:* SP-06 *G: yes U:* MCC: USAI, Paolino

*history (event, available, version,*

smg-30 bis	06/12/1999	8	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
smg-31	16/02/2000	8	.	1	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
smg-31 bis	17/04/2000	8	.	2	.	0	<a href="#">get it</a>
smg-32	20/06/2000	8	.	3	.	0	<a href="#">get it</a>
GP-01	01/09/2000	8	.	4	.	0	<a href="#">get it</a>
GP-02	24/11/2000	8	.	5	.	0	<a href="#">get it</a>
GP-04	18/04/2001	8	.	6	.	0	<a href="#">get it</a>
GP-12		8	.	7	.	0	

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## TS 11.26 Base Station System (BSS) equipment specification; Part 4: Repeaters

R99 *current version:* 8.0.2 *WG (prime / other):* G3 / - *rapporteur:* VACANT,  
*freeze\_meeting:* SP-06 *G: yes U:* MCC: USAI, Paolino

*history (event, available, version,*

smg-31 bis	17/04/2000	8	.	0	.	0	based on 5.2.1 <a href="#">get it</a> <i>remarks - general:</i>
start of OAP	24/05/2000	8	.	0	.	1	<a href="#">get it</a> <i>remarks - this release:</i>
ETSI publication	10/10/2000	8	.	0	.	2	<a href="#">get it</a>

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R99

12 .- series

Server location: [http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

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## TS 12.03 Security Management

R99 *current version:* 8.0.0 *WG (prime / other):* S5 / S1 / NP *rapporteur:* TRUSS, Michael MOTOROLA Ltd  
*freeze\_meeting:* SP-06 *G: yes U:* MCC: ZOICAS, Adrian

*history (event, available, version,*

Upgrade to R99	19/04/2000	8	.	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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Server ACTIVE specs R99 12 .- series  
[http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

<b>TS 12.04</b>	<b>Performance data measurements</b>					
R99	<i>current version:</i> 8.1.0		WG (prime / other): S5 / S1 / NP	<i>rapporteur:</i> TOCHE, Christian		NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting:</i> SP-06		G: yes U:	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>					
	Upgrade to R99 19/04/2000 8 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>		
	SP-16 28/06/2002 8 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
<b>TS 12.21</b>	<b>Network Management (NM) procedures and messages on the A-bis interface</b>					
R99	<i>current version:</i> 8.0.0		WG (prime / other): G3 / S5	<i>rapporteur:</i> TRUSS, Michael		MOTOROLA Ltd
	<i>freeze_meeting:</i> SP-06		G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>					
	GP-09 06/05/2002 8 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> SP-13: S5->G3 but no change of rapporteur.		
				<i>remarks - this release:</i> GP-09 (Usai) created to fill the Release gap.		
<b>TS 12.71</b>	<b>Location Services (LCS); Location services management</b>					
R99	<i>current version:</i> 8.0.1		WG (prime / other): S5 / -	<i>rapporteur:</i> GARAPATY, Sonia		Nortel Networks (USA)
	<i>freeze_meeting:</i> SP-06		G: yes U:	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>					
	draft 22/09/1999 0 . 0 . 1		<a href="#">get it</a>	<i>remarks - general:</i> TSG#11:S5 will no longer maintain.		
	draft 18/10/1999 0 . 0 . 2		<a href="#">get it</a>	<i>remarks - this release:</i> TSG#8:8.0.0 (2.0.1) TSG#11:S5 will no longer maintain.		
	draft 03/12/1999 0 . 0 . 3		<a href="#">get it</a>			
	draft 22/12/1999 0 . 0 . 4		<a href="#">get it</a>			
	draft 17/01/2000 0 . 0 . 5		<a href="#">get it</a>			
	draft 22/05/2000 2 . 0 . 0		<a href="#">get it</a>			
	draft 25/05/2000 2 . 0 . 1		<a href="#">get it</a>			
	SP-08 21/06/2000 7 . 0 . 0		<a href="#">get it</a>			
	SP-08 21/06/2000 8 . 0 . 0		<a href="#">get it</a>			
	ETSI Publication 30/11/2000 8 . 0 . 1		<a href="#">get it</a>			

R99

21 .- series

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

G = required in systems with GERAN 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)

## TS 21.101 3rd Generation mobile system Release 1999 Specifications

R99 *current version:* 3.10.0

*freeze\_meeting:* SP-07

*history (event, available, version,*

SP-05	13/10/1999	1	.	0	.	0
SP-06	17/12/1999	2	.	0	.	0
corrections		2	.	2	.	0
SP-07		2	.	3	.	0
SP-07		2	.	4	.	0
SP-07		2	.	5	.	0
SP-07	17/03/2000	3	.	0	.	0
editorial	30/03/2000	3	.	0	.	1
post-SP-08	28/06/2000	3	.	1	.	0
SP-10	04/01/2001	3	.	2	.	0
SP-11	11/04/2001	3	.	3	.	0
SP-12	05/07/2001	3	.	4	.	0
SP-13	01/10/2001	3	.	5	.	0
SP-14	03/01/2002	3	.	6	.	0
SP-15	27/03/2002	3	.	7	.	0
SP-16	19/06/2002	3	.	8	.	0
SP-17	18/09/2002	3	.	9	.	0
SP-18		3	.	10	.	0

WG (prime / other): SP / - *rapporteur:* MEREDITH, John M

G: U: yes

*MCC:* POPE, Maurice

ETSI Secretariat

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

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

## 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 smg9 to T3	04/03/1999	1	.	1	.	0
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:*

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



# 3GPP specification status

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Server ACTIVE specs R99 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

R99 *current version:* 3.2.0  
*freeze\_meeting:* SP-03  
*history (event, available, version,*

*WG (prime / other):* S3 / - *rapporteur:* CHRISTOFFERSSON, Telia Promotor AB  
*G:* U: yes *MCC:* POPE, Maurice

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

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

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## 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,*

*WG (prime / other):* T2 / - *rapporteur:* PERSSON, Sofi TELIA AB  
*G:* U: yes *MCC:* RODERMUND, Friedhelm

TP-08 23/06/2000 3 . 0 . 0

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

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Server ACTIVE specs R99 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 21.904 User Equipment (UE) capability requirements

R99 current version: 3.5.0

freeze\_meeting: SP-07

history (event, available, version,

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

WG (prime / other): T2 / - rapporteur: SOOD, Prem SHARP Corporation  
G: U: yes MCC: RODERMUND, Friedhelm

[get it](#) remarks - general:

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

[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](#)

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

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## 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,

WG (prime / other): T2 / - rapporteur: PERSSON, Sofi TELIA AB  
G: U: yes MCC: RODERMUND, Friedhelm

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

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

[get it](#)

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)

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## 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,

WG (prime / other): N2 / - rapporteur:  
G: yes U: yes MCC: JURISIC, Andrijana

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

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

[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 22.001 Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)

R99 current version: 3.2.0  
freeze\_meeting: SP-07  
history (event, available, version,

WG (prime / other): S1 / - rapporteur: KOKKOLA, Tommi NOKIA Corporation  
G: yes U: yes MCC: CLAYTON, Michael

SP-06 17/12/1999 3 . 0 . 0 aprvd with CRs  
SP-06 17/12/1999 3 . 1 . 0  
edito 18/01/2000 3 . 1 . 1  
SP-07 17/03/2000 3 . 2 . 0

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

remarks - general: Transfer>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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Server ACTIVE specs R99 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 22.002</b>	<b>Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)</b>								
R99	<i>current version:</i> 3.6.0			WG (prime / other): S1 / -		<i>rapporteur:</i> CARPENTER, Paul		Research In Motion Limited	
	<i>freeze_meeting:</i> SP-05			G: yes U: yes		<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</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			WG (prime / other): S1 / -		<i>rapporteur:</i> KOKKOLA, Tommi		NOKIA Corporation	
	<i>freeze_meeting:</i> SP-08			G: yes U: yes		<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</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			WG (prime / other): S1 / -		<i>rapporteur:</i> CARPENTER, Paul		Research In Motion Limited	
	<i>freeze_meeting:</i> SP-05			G: yes U: yes		<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</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	current version: 3.0.1	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	. 0	. 1	<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>								
R99	current version: 3.4.0	WG (prime / other):	S1 / -	rapporteur:	TOIVANEN, Annukka	NOKIA Corporation			
	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-05 30/10/1999	3	. 1	. 0	<a href="#">get it</a>	remarks - this release:			
	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	current version: 3.0.0	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	3	. 0	. 0	Technically identical to 02.31 v8.0.1.	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:	Created from 02.31 R99.		
<hr/>									
<b>TS 22.032</b>	<b>Immediate Service Termination (IST); Service description; Stage 1</b>								
R99	current version: 3.0.0	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	3	. 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:	SP-16: Takes over from 02.32 R99.		

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<b>TS 22.034</b>	<b>High Speed Circuit Switched Data (HSCSD); Stage 1</b>					
R99	<i>current version:</i> 3.2.1		<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> KOKKOLA, Tommi		NOKIA Corporation
	<i>freeze_meeting:</i> SP-05		<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-07 15/03/2000	3 . 2 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	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	<i>current version:</i> 3.2.0		<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 30/10/1999	3 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4	
	SP-07 17/03/2000	3 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	SP-08 28/06/2000	3 . 2 . 0		<a href="#">get it</a>		
<hr/>						
<b>TS 22.041</b>	<b>Operator Determined Call Barring</b>					
R99	<i>current version:</i> 3.3.1		<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> WOLAK, Stephen		VODAFONE Group Plc
	<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-10 08/01/2001	3 . 2 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	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 (NITZ) service description; Stage 1</b>					
R99	<i>current version:</i> 3.0.1		<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> DAHLKVIST, Mikael		ERICSSON MOBILE COMMUNICATIONS AB
	<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	
					<i>remarks - this release:</i> CR to 3.0.1 not aprvd.	

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<b>TS 22.057</b>	<b>Mobile Execution Environment (MExE) service description; Stage 1</b>								
R99	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CATALDO, Mark	Openwave Systems (N.I.) Ltd					
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version,</i>								
	SP-05 25/10/1999 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution						
	edito 25/10/1999 3 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> . Environment (MExE); Stage 1".						
<hr/>									
<b>TS 22.060</b>	<b>General Packet Radio Service (GPRS); Service description; Stage 1</b>								
R99	<i>current version:</i> 3.5.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CARPENTER, Paul	Research In Motion Limited					
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version,</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 28/06/2000 3 . 4 . 0	<a href="#">get it</a>							
	SP-09 18/10/2000 3 . 5 . 0	<a href="#">get it</a>							
<hr/>									
<b>TS 22.066</b>	<b>Support of Mobile Number Portability (MNP); Stage 1</b>								
R99	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd					
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version,</i>								
	SP-05 13/10/1999 3 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4						
	SP-07 15/03/2000 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>						
	SP-08 28/06/2000 3 . 2 . 0	<a href="#">get it</a>							
<hr/>									
<b>TS 22.067</b>	<b>enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1</b>								
R99	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> SWETINA, Joerg	SIEMENS AG					
	<i>freeze_meeting:</i> SP-05	G: yes U: yes	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version,</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 22.071</b>	<b>Location Services (LCS); Stage 1</b>				
R99	current version: 3.4.0	WG (prime / other): S1 / -	rapporteur: WOHLERT, Randolph	SBC Communications Inc.	
	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-06 17/12/1999 3 . 2 . 0	<a href="#">get it</a>	remarks - this release:		
	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>			
<b>TS 22.072</b>	<b>Call Deflection (CD); Stage 1</b>				
R99	current version: 3.0.1	WG (prime / other): S1 / -	rapporteur: RAUCH, Horst	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		
			remarks - this release: .		
<b>TS 22.078</b>	<b>Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1</b>				
R99	current version: 3.9.0	WG (prime / other): S1 / -	rapporteur: GRECH, Michel	Lucent Technologies Network Systems UK	
	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:		
	SP-06 17/12/1999 3 . 2 . 0	<a href="#">get it</a>	remarks - this release:		
	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>			
<b>TS 22.079</b>	<b>Support of optimal routing; Stage 1</b>				
R99	current version: 3.0.1	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		
			remarks - this release: .		

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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>freeze_meeting:</i> SP-05	<i>WG (prime / other):</i> S1 / - <i>G:</i> yes <i>U:</i> yes	<i>rapporteur:</i> AHNBERG, Tomas <i>MCC:</i> CLAYTON, Michael	Indicate persons who left Company and wait for new One
	<i>history (event, available, version,</i>		SP-05 13/10/1999 3 . 0 . 1 SP-08 28/06/2000 3 . 2 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4 <i>remarks - this release:</i>	
<b>TS 22.082</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 1</b>	R99	<i>current version:</i> 3.0.1 <i>freeze_meeting:</i> SP-05	<i>WG (prime / other):</i> S1 / - <i>G:</i> yes <i>U:</i> yes	<i>rapporteur:</i> EVEN, Anne <i>MCC:</i> CLAYTON, Michael	France Telecom
	<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> .	
<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>freeze_meeting:</i> SP-05	<i>WG (prime / other):</i> S1 / - <i>G:</i> yes <i>U:</i> yes	<i>rapporteur:</i> CLAYTON, Michael <i>MCC:</i> CLAYTON, Michael	EMCOM Ltd
	<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> .	
<b>TS 22.084</b>	<b>MultiParty (MPTY) supplementary service; Stage 1</b>	R99	<i>current version:</i> 3.0.1 <i>freeze_meeting:</i> SP-05	<i>WG (prime / other):</i> S1 / - <i>G:</i> yes <i>U:</i> yes	<i>rapporteur:</i> CLAYTON, Michael <i>MCC:</i> CLAYTON, Michael	EMCOM Ltd
	<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> .	
<b>TS 22.085</b>	<b>Closed User Group (CUG) supplementary services; Stage 1</b>	R99	<i>current version:</i> 3.1.0 <i>freeze_meeting:</i> SP-05	<i>WG (prime / other):</i> S1 / - <i>G:</i> yes <i>U:</i> yes	<i>rapporteur:</i> CLAYTON, Michael <i>MCC:</i> CLAYTON, Michael	EMCOM Ltd
	<i>history (event, available, version,</i>		SP-05 13/10/1999 3 . 0 . 1 SP-06 17/12/1999 3 . 1 . 0	<a href="#">get it</a> <a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4 <i>remarks - this release:</i> .	

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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 freeze_meeting: SP-05 history (event, available, version, SP-05 13/10/1999 3 . 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 remarks - this release:
<b>TS 22.087</b>	<b>User-to-user signalling (UUS); Stage 1</b>	R99 current version: 3.1.0 freeze_meeting: SP-05 history (event, available, version, SP-05 13/10/1999 3 . 0 . 1 3.0.1, but should have been 3.1.0 to include a CR wrongly attributed to 22.086. incorporation of 01/02/2000 3 . 1 . 0 lost CR from	WG (prime / other): S1 / - G: yes U: yes	rapporteur: BRADEN, Christian MCC: CLAYTON, Michael	T-MOBILE DEUTSCHLAND	<a href="#">get it</a> remarks - general: Transfer>TSG#4 remarks - this release:  <a href="#">get it</a>
<b>TS 22.088</b>	<b>Call Barring (CB) supplementary services; Stage 1</b>	R99 current version: 3.0.2 freeze_meeting: SP-05 history (event, available, version, SP-05 13/10/1999 3 . 0 . 1 edito 27/11/2000 3 . 0 . 2	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 22.090</b>	<b>Unstructured Supplementary Service Data (USSD); Stage 1</b>	R99 current version: 3.1.0 freeze_meeting: SP-05 history (event, available, version, SP-05 13/10/1999 3 . 0 . 1 SP-07 15/03/2000 3 . 1 . 0	WG (prime / other): S1 / - G: yes U: yes	rapporteur: KOKKOLA, Tommi MCC: CLAYTON, Michael	NOKIA Corporation	<a href="#">get it</a> remarks - general: Transfer>TSG#4 <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 freeze_meeting: SP-05 history (event, available, version, SP-05 13/10/1999 3 . 0 . 1 SP-09 18/10/2000 3 . 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:

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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						
			<i>remarks - this release:</i> Transfer>TSG#6; Anticipate that v3.y.z will be withdrawn. Apr2001: Unwithdrawn. 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  
Transfer to SP SA 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](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)

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## TS 22.101 Service aspects; Service principles

R99 *current version:* 3.13.0  
*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

[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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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						
draft	19/12/1997	1	.	4	.	1
WG approval	15/02/1998	2	.	0	.	0
Under TB change	20/03/1998	3	.	0	.	0
control						
smg-26 to review	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:  
remarks - this release:

[get it](#)

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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
draft						
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, TELECOM ITALIA S.p.A.  
Emanuele  
G: yes U: yes MCC: CLAYTON, Michael

[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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## 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,*  
extracted from  
OSP parts 04/03/1999 0 . 0 . 0  
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

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

Converted from TS to TR.

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## 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

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

First complete 22/04/1999 1 . 0 . 0  
draft  
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

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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

*WG (prime / other):* S1 / - *rapporteur:* KOKKOLA, Tommi NOKIA Corporation  
*G:* 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  
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

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

R99 *current version:* 3.1.0  
*freeze\_meeting:* SP-06

*WG (prime / other):* S1 / - *rapporteur:* LAUMEN, Josef SIEMENS AG  
*G:* U: yes *MCC:* CLAYTON, Michael

*history (event, available, version,*  
SP-T-3 23/04/1999 0 . 0 . 0  
SP-T-05 08/10/1999 1 . 0 . 0  
SP-T-06 17/12/1999 2 . 0 . 0  
SP-08 28/06/2000 3 . 1 . 0

[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

*WG (prime / other):* T2 / NP *rapporteur:* COLBAN, Erik ERICSSON AS  
*G:* yes *U:* yes *MCC:* RODERMUND, Friedhelm

*history (event, available, version,*  
TP-03 28/04/1999 1 . 0 . 0  
TP-05 08/10/1999 3 . 0 . 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/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  
draft  
WG approval 15/02/1998 2 . 0 . 0  
TB approval 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](#)  
[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  
draft  
WG approval 15/02/1998 2 . 0 . 0  
TB approval 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:* .  
[get it](#)  
[get it](#)  
[get it](#)  
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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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<b>TS 23.002</b>	<b>Network architecture</b>					
R99	current version: 3.6.0			WG (prime / other): S2 / -	rapporteur: SULTAN, Alain	SOURCE COM
	freeze_meeting: SP-05			G: yes U: yes	MCC: SULTAN, Alain	
	history (event, available, version,					
	SP-05 13/10/1999	3	. 1	. 0	<a href="#">get it</a>	remarks - general: Transfer>TSG#4,CR at TSG#5
	SP-06 17/12/1999	3	. 2	. 0	<a href="#">get it</a>	remarks - this release:
	SP-07 15/03/2000	3	. 3	. 0	<a href="#">get it</a>	
	SP-10 21/12/2000	3	. 4	. 0	<a href="#">get it</a>	
	SP-14 07/01/2002	3	. 5	. 0	<a href="#">get it</a>	
	SP-17 24/09/2002	3	. 6	. 0	<a href="#">get it</a>	
<b>TS 23.003</b>	<b>Numbering, Addressing and Identification</b>					
R99	current version: 3.11.0			WG (prime / other): N4 / -	rapporteur: RUSSELL, Nick	VODAFONE Group Plc
	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-04 23/06/1999	3	. 1	. 0	<a href="#">get it</a>	remarks - this release:
	NP-05 13/10/1999	3	. 2	. 0	<a href="#">get it</a>	
	NP-06 15/12/1999	3	. 3	. 0	<a href="#">get it</a>	
	NP-07 15/03/2000	3	. 4	. 0	<a href="#">get it</a>	
	edito 17/05/2000	3	. 4	. 1	<a href="#">get it</a>	
	NP-08 28/06/2000	3	. 5	. 0	<a href="#">get it</a>	
	NP-09 26/10/2000	3	. 6	. 0	<a href="#">get it</a>	
	NP-10 21/12/2000	3	. 7	. 0	<a href="#">get it</a>	
	NP-11 02/04/2001	3	. 8	. 0	<a href="#">get it</a>	
	NP-12 27/06/2001	3	. 9	. 0	<a href="#">get it</a>	
	NP-16 21/06/2002	3	. 10	. 0	<a href="#">get it</a>	
	NP-17 17/09/2002	3	. 11	. 0	<a href="#">get it</a>	

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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 Group Plc  
G: yes U: yes 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 23.008 Organisation of subscriber data

R99 current version: 3.7.0

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

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:  
[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 23.009 Handover procedures

R99 *current version:* 3.12.0

*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 3 . 12 . 0

[get it](#)

*remarks - general:*

[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](#)

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

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<b>TS 23.012</b>	<b>Location management procedures</b>					
R99	<i>current version:</i> 3.3.0		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	SONERA Corporation	
	<i>freeze_meeting:</i> SP-03		<i>G:</i> yes <i>U:</i> 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 15/12/1999	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>		
CR 23.012-003r3	05/06/2000	3 . 2 . 1		<a href="#">get it</a>		
removed (error)						
NP-08	23/06/2000	3 . 3 . 0		<a href="#">get it</a>		
<hr/>						
<b>TS 23.014</b>	<b>Support of Dual Tone Multi Frequency (DTMF) signalling</b>					
R99	<i>current version:</i> 3.2.0		<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> ZAUS, Robert	SIEMENS AG	
	<i>freeze_meeting:</i> SP-03		<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		<a href="#">get it</a>	<i>remarks - general:</i> Should not be in UMTS ????	
	NP-06 17/12/1999	3 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> .	
	NP-17 17/09/2002	3 . 2 . 0		<a href="#">get it</a>		
<hr/>						
<b>TS 23.015</b>	<b>Technical realisation of Operator Determined Barring (ODB)</b>					
R99	<i>current version:</i> 3.1.0		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David	VODAFONE LTD	
	<i>freeze_meeting:</i> SP-03		<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> Chalmers 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-04 23/06/1999	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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## 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 SIEMENS AG

[get it](#) remarks - general:  
[get it](#) remarks - this release:  
[get it](#)  
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[get it](#)  
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## TS 23.018 Basic Call Handling; Technical realization

R99 current version: 3.11.0  
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

WG (prime / other): N4 / - rapporteur: PARK, Ian David  
G: yes U: yes MCC: Chalmers  
KYMALAINEN, Kimmo VODAFONE LTD

[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 23.031</b>	<b>Fraud Information Gathering System (FIGS); Service description; Stage 2</b>								
R99	current version: 3.0.0 freeze_meeting: SP-18	WG (prime / other): S3 / -	rapporteur: WRIGHT, Tim	Indicate persons who left Company and wait for new One					
	history (event, available, version, SP-18	G: yes U: yes	MCC: POPE, Maurice						
	3 . 0 . 0	Technically identical to 03.31 v8.0.0	remarks - general: SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 & Rel-5 -> 23.031.						
			remarks - this release: Created from 03.31 R99.						
<hr/>									
<b>TS 23.032</b>	<b>Universal Geographical Area Description (GAD)</b>								
R99	current version: 3.2.0 freeze_meeting: SP-03	WG (prime / other): S2 / -	rapporteur: HIETALAHTI, Hannu	NOKIA Corporation					
	history (event, available, version, SP-03 23/04/1999 3 . 0 . 0 SP-07 15/03/2000 3 . 1 . 0 SP-18 3 . 2 . 0	G: yes U: yes	MCC: SULTAN, Alain						
		<a href="#">get it</a>	remarks - general: S2 responsibility?						
		<a href="#">get it</a>	remarks - this release:						
<hr/>									
<b>TS 23.034</b>	<b>High Speed Circuit Switched Data (HSCSD); Stage 2</b>								
R99	current version: 3.3.0 freeze_meeting: SP-03	WG (prime / other): N1 / -	rapporteur: CARRION RODRIGO, Inmaculada	NOKIA Corporation					
	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 . 1 . 1 NP-07 15/03/2000 3 . 2 . 0 NP-10 02/01/2001 3 . 3 . 0	G: yes U: yes	MCC: JORGENSEN, Per Johan						
		<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>							
<hr/>									
<b>TS 23.035</b>	<b>Immediate Service Termination (IST); Stage 2</b>								
R99	current version: 3.1.0 freeze_meeting: SP-16	WG (prime / other): S3 / -	rapporteur: WRIGHT, Tim	Indicate persons who left Company and wait for new One					
	history (event, available, version, SP-16 24/06/2002 3 . 0 . 0 SP-17 18/09/2002 3 . 1 . 0	G: yes U: yes	MCC: POPE, Maurice						
		<a href="#">get it</a>	remarks - general: SP-16: created to take over from 03.35 (R99) and 43.035 (Rel-4 onwards).						
		<a href="#">get it</a>	remarks - this release: SP-16: takes over from 03,35 R99.						

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

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<b>TS 23.038</b>	<b>Alphabets and language-specific information</b>				
R99	<i>current version:</i> 3.3.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Teleca Limited	
	<i>freeze_meeting:</i> SP-04	G: yes U: yes	<i>MCC:</i> RODERMUND, Friedhelm		
	<i>history (event, available, version,</i>				
	TP-03 28/04/1999 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	TP-04 23/06/1999 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> additional CR for R99 on SMS enhanced message content expected at TSG-T#7.		
	TP-05 08/10/1999 3 . 2 . 0	<a href="#">get it</a>	No, evidently not.		
	TP-06 17/12/1999 3 . 3 . 0	<a href="#">get it</a>			
<hr/>					
<b>TR 23.039</b>	<b>Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)</b>				
R99	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Teleca Limited	
	<i>freeze_meeting:</i> SP-04	G: yes U: yes	<i>MCC:</i> RODERMUND, Friedhelm		
	<i>history (event, available, version,</i>				
	TP-03 28/04/1999 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	TP-04 23/06/1999 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	TP-06 completed 17/12/1999 3 . 1 . 0	<a href="#">get it</a>			
	TP-09 04/10/2000 3 . 2 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 23.040</b>	<b>Technical realization of Short Message Service (SMS)</b>				
R99	<i>current version:</i> 3.9.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Teleca Limited	
	<i>freeze_meeting:</i> SP-04	G: yes U: yes	<i>MCC:</i> RODERMUND, Friedhelm		
	<i>history (event, available, version,</i>				
	TP-03 28/04/1999 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	TP-04 23/06/1999 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	TP-05 08/10/1999 3 . 2 . 0	<a href="#">get it</a>			
	TP-06 17/12/1999 3 . 3 . 0	<a href="#">get it</a>			
	TP-07 15/03/2000 3 . 4 . 0	<a href="#">get it</a>			
	edito 19/04/2000 3 . 4 . 1	<a href="#">get it</a>			
	TP-08 23/06/2000 3 . 5 . 0	<a href="#">get it</a>			
	TP-13 03/10/2001 3 . 6 . 0	<a href="#">get it</a>			
	TP-14 11/01/2002 3 . 7 . 0	<a href="#">get it</a>			
	TP-15 21/03/2002 3 . 8 . 0	<a href="#">get it</a>			
	TP-16 25/06/2002 3 . 9 . 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 23.041 Technical realization of Cell Broadcast Service (CBS)

R99 *current version:* 3.5.0  
*freeze\_meeting:* SP-05  
*history (event, available, version,*

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

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

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## TS 23.042 Compression algorithm for SMS

R99 *current version:* 3.1.0  
*freeze\_meeting:* SP-04  
*history (event, available, version,*

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

TP-03 28/04/1999 1 . 0 . 0  
TP-05 08/10/1999 3 . 0 . 0  
TP-04 23/06/1999 3 . 0 . 0  
test vectors 23/01/2001 3 . 1 . 0  
provided  
TP-06 17/12/1999 3 . 1 . 0

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

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## TS 23.042 Compression algorithm for SMS

R99 *current version:* 3.1.0  
*freeze\_meeting:* SP-04  
*history (event, available, version,*

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

TP-03 28/04/1999 1 . 0 . 0  
TP-05 08/10/1999 3 . 0 . 0  
TP-04 23/06/1999 3 . 0 . 0  
test vectors 23/01/2001 3 . 1 . 0  
provided  
TP-06 17/12/1999 3 . 1 . 0

[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](#)  
[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 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 GSM 03.57)	18/06/1999	1	.	1	.	0
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:*

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

R99 *current version:* 3.14.0  
*freeze\_meeting:* SP-03

*WG (prime / other):* S2 / - *rapporteur:* DELECKI, Andrew MOTOROLA Ltd  
*G: yes U: yes* *MCC:* SULTAN, Alain

*history (event, available, version,*

SP-05	13/10/1999	3	.	1	.	0
SP-06	23/12/1999	3	.	2	.	0
SP-07	15/03/2000	3	.	3	.	0
SP-08	28/06/2000	3	.	4	.	0
SP-09	04/11/2000	3	.	5	.	0
SP-10	12/01/2001	3	.	6	.	0
SP-11	06/04/2001	3	.	7	.	0
SP-12	29/06/2001	3	.	8	.	0
SP-13	12/10/2001	3	.	9	.	0
SP-14	09/01/2002	3	.	10	.	0
edito		3	.	10	.	1
SP-15	07/04/2002	3	.	11	.	0
SP-16	17/06/2002	3	.	12	.	0
SP-17	02/10/2002	3	.	13	.	0
SP-18		3	.	14	.	0

[get it](#) *remarks - general:* Transfer>TSG#4  
[get it](#) *remarks - this release:*  
[get it](#)  
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G = required in systems with GERAN acces; U = required in systems with UMTS

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<b>TS 23.066</b>	<b>Support of GSM Mobile Number Portability (MNP) stage 2</b>				
R99	<i>current version:</i> 3.3.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> LOPEZ SORIA, Luis	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> SP-05	<i>G: yes U: yes</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>				
	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>			
<hr/>					
<b>TS 23.067</b>	<b>Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2</b>				
R99	<i>current version:</i> 3.3.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> SCHMITT, Peter	SIEMENS AG	
	<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>		
	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>			
<hr/>					
<b>TS 23.072</b>	<b>Call Deflection Supplementary Service; Stage 2</b>				
R99	<i>current version:</i> 3.3.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> CONRAD, Alan	T-MOBILE DEUTSCHLAND	
	<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>		
	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-09 26/10/2000 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 23.078 Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2**

R99 current version: 3.15.0

freeze\_meeting: SP-03

WG (prime / other): N2 / -

G: yes U: yes

rapporteur: HOMANN, Christian

ALCATEL SEL AG

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		3	.	15	.	0

[get it](#)

remarks - general: CR at TSG#4,CR at TSG#5

remarks - this release: Phase 3. TSG#7:Aprvl CRs 56r3 & 18 by e-mail by 31-mar-00.

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

R99 current version: 3.8.0

freeze\_meeting: SP-03

WG (prime / other): N4 / -

G: yes U: yes

rapporteur: PARK, Ian David

VODAFONE LTD

Chalmers

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-09	26/10/2000	3	.	6	.	0
NP-16	21/06/2002	3	.	7	.	0
NP-18		3	.	8	.	0

[get it](#)

remarks - general: CR at 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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<b>TS 23.081</b>	<b>Line Identification supplementary services; Stage 2</b>					
R99	current version: 3.2.0	WG (prime / other):	N4 / -	rapporteur:	KYMALAINEN, Kimmo	SONERA Corporation
	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-08 23/06/2000	3	. 1 . 0	<a href="#">get it</a>		
	NP-17 24/09/2002	3	. 2 . 0	<a href="#">get it</a>		
<hr/>						
<b>TS 23.082</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 2</b>					
R99	current version: 3.7.0	WG (prime / other):	N4 / -	rapporteur:	KYMALAINEN, Kimmo	SONERA Corporation
	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-05 13/10/1999	3	. 1 . 0	<a href="#">get it</a>	remarks - this release:	
	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>		
	NP-10 21/12/2000	3	. 5 . 0	<a href="#">get it</a>		
	NP-12 27/06/2001	3	. 6 . 0	<a href="#">get it</a>		
	NP-16 21/06/2002	3	. 7 . 0	<a href="#">get it</a>		
<hr/>						
<b>TS 23.083</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2</b>					
R99	current version: 3.2.0	WG (prime / other):	N4 / -	rapporteur:	RUSSELL, Nick	VODAFONE Group Plc
	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>		
<hr/>						
<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 Group Plc
	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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G = required in systems with GERAN access; U = required in systems with UMTS

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<b>TS 23.085</b>	<b>Closed User Group (CUG) Supplementary Service; Stage 2</b>					
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	SIEMENS AG		
	<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>			
	edito 06/06/2000 3 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	NP-09 26/10/2000 3 . 1 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 23.086</b>	<b>Advice of Charge (AoC) Supplementary Service; Stage 2</b>					
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	SIEMENS AG		
	<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>			
	edito 06/06/2000 3 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	NP-09 26/10/2000 3 . 1 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 23.087</b>	<b>User-to-User Signalling (UUS) supplementary service; Stage 2</b>					
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	SIEMENS AG		
	<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>			
	edito 06/06/2000 3 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	NP-09 26/10/2000 3 . 1 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 23.088</b>	<b>Call Barring (CB) Supplementary Service; Stage 2</b>					
R99	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	SIEMENS AG		
	<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>			
	NP-07 15/03/2000 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>				

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**TS 23.090 Unstructured Supplementary Service Data (USSD); Stage 2**

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-09 26/10/2000 3 . 2 . 0

*WG (prime / other):* N4 / - *rapporteur:* CROOK, Mick ORANGE PCS LTD  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)

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**TS 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2**

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  
ETSI Publication 07/11/2000 3 . 2 . 0

*WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich SIEMENS AG  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)

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**TS 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2**

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-09 26/10/2000 3 . 2 . 0

*WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich SIEMENS AG  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:*  
[get it](#)

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**TS 23.094 Follow Me Stage 2**

R99 *current version:* 3.2.0  
*freeze\_meeting:* SP-06  
*history (event, available, version,*

NP-06 17/12/1999 3 . 0 . 0  
NP-07 15/03/2000 3 . 1 . 0  
NP-09 26/10/2000 3 . 2 . 0

*WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich SIEMENS AG  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo  
[get it](#) *remarks - general:* Transfer>TSG#4. GSM only @TSG#5  
[get it](#) *remarks - this release:* Transfer>TSG#6.  
[get it](#)

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

R99 *current version:* 3.0.1  
*freeze\_meeting:* SP-03  
*history (event, available, version,*

NP-03 23/04/1999 3 . 0 . 0  
edito 06/06/2000 3 . 0 . 1

*WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich SIEMENS AG  
*G: yes U: yes* *MCC:* KYMALAINEN, Kimmo  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* .

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## TS 23.097 Multiple Subscriber Profile (MSP) Phase 1; Stage 2

R99 current version: 3.1.1  
freeze\_meeting: SP-05  
history (event, available, version,

NP-05	13/10/1999	3	.	0	.	1
NP-06	17/12/1999	3	.	1	.	0
NP-07	15/03/2000	3	.	1	.	1

WG (prime / other): N4 / - rapporteur: HEWSON, Ruth VODAFONE Group Plc  
G: yes U: yes MCC: KYMALAINEN, Kimmo

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

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## TS 23.101 General UMTS Architecture

R99 current version: 3.1.0  
freeze\_meeting: SP-04  
history (event, available, version,

First complete	13/06/1997	0	.	1	.	0
draft						
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

WG (prime / other): S2 / - rapporteur: OLSSON, Magnus Telefon AB LM Ericsson  
G: U: yes MCC: SULTAN, Alain

[get it](#) remarks - general:  
[get it](#) remarks - this release:  
[get it](#)  
[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  
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
SP-15	07/04/2002	3	.	8	.	0
SP-17	24/09/2002	3	.	9	.	0

WG (prime / other): S2 / - rapporteur: GREIS, Marc NOKIA Corporation  
G: U: yes MCC: SULTAN, Alain

[get it](#) remarks - general: was 23.907  
[get it](#) remarks - this release:  
[get it](#)  
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CR072r1 erroneously implemented;  
anticipate correction at SP-15.

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<b>TS 23.108</b>	<b>Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)</b>				
R99	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> SALKINTZIS, Apostolis	MOTOROLA GmbH	
	<i>freeze_meeting:</i> SP-04	<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 0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	This is clause 7 from 04.08 ex R98.	
	NP-05 13/10/1999 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-04 23/06/1999 3 . 0 . 0	<a href="#">get it</a>			
	NP-06 17/12/1999 3 . 1 . 0	<a href="#">get it</a>			
	NP-07 15/03/2000 3 . 2 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 23.110</b>	<b>UMTS Access Stratum Services and Functions</b>				
R99	<i>current version:</i> 3.4.0	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> LOPEZ-TORRES, Oscar	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> SP-07	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i>	SULTAN, Alain	
	<i>history (event, available, version,</i>				
	draft 15/02/1997 0 . 3 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	Transfer to SP S2 04/03/1999 0 . 3 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-03 23/04/1999 3 . 1 . 0	<a href="#">get it</a>			
	SP-05 13/10/1999 3 . 2 . 0	<a href="#">get it</a>			
	SP-06 17/12/1999 3 . 3 . 0	<a href="#">get it</a>			
	SP-07 15/03/2000 3 . 4 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 23.116</b>	<b>Super-Charger technical realization; Stage 2</b>				
R99	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> ALLEN, Nicholas	Indicate persons who left Company and wait for new	
	<i>freeze_meeting:</i> SP-07	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i>	One	
	<i>history (event, available, version,</i>				
	NP-04 30/04/1999 0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	New after TSG#5	
	NP-06 17/12/1999 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-12 27/06/2001 3 . 1 . 0	<a href="#">get it</a>			
	NP-14 10/01/2002 3 . 2 . 0	<a href="#">get it</a>			

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## TS 23.119 Gateway Location Register (GLR); Stage2

R99 current version: 3.0.0  
freeze\_meeting: SP-07  
history (event, available, version,

WG (prime / other): N4 / - rapporteur: SAWADA, Masahiro NTT DoCoMo Inc.  
G: yes U: yes MCC: KYMALAINEN, Kimmo

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](#)  
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## TS 23.121 Architectural requirements for Release 1999

R99 current version: 3.6.0  
freeze\_meeting: SP-04  
history (event, available, version,

WG (prime / other): S2 / - rapporteur: DANIEL, Elizabeth Lucent Technologies Network Systems UK  
G: yes U: yes MCC: SULTAN, Alain

First complete 23/04/1999 0 . 0 . 0  
draft  
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:  
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## TS 23.122 Non-Access-Stratum functions related to Mobile Station (MS) in idle mode

R99 current version: 3.9.0

WG (prime / other): N1 / - rapporteur: HIETALAHTI, Hannu NOKIA Corporation

freeze\_meeting: SP-03

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		3	.	9	.	0

[get it](#)

remarks - general:

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.

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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: SULTAN, Alain

history (event, available, version,

SP-05	13/10/1999	0	.	3	.	0
SP-07		2	.	0	.	0
SP-07	17/12/1999	3	.	0	.	0
SP-08	28/06/2000	3	.	1	.	0
SP-09	06/11/2000	3	.	2	.	0
SP-10	21/12/2000	3	.	3	.	0
SP-12	29/06/2001	3	.	4	.	0

[get it](#)

remarks - general:

Sept 00: "Open Service Architecture" removed from title.

remarks - this release:

[get it](#)

[get it](#)

[get it](#)

[get it](#)

[get it](#)

## 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
NP-07	15/03/2000	3	.	0	.	0
NP-08	23/06/2000	3	.	1	.	0
NP-09	25/10/2000	3	.	2	.	0

[get it](#)

remarks - general:

remarks - this release:

[get it](#)

[get it](#)

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<b>TS 23.140</b>	<b>Multimedia Messaging Service (MMS); Functional description; Stage 2</b>								
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		<a href="#">get it</a>	remarks - general:				
	TP-05 08/10/1999	0 . 1 . 0		<a href="#">get it</a>	remarks - this release:				
	TP-06 17/12/1999	1 . 0 . 0		<a href="#">get it</a>					
	TP-07 15/03/2000	2 . 0 . 0	TP-000028	<a href="#">get it</a>					
	Editorial 15/03/2000	3 . 0 . 1		<a href="#">get it</a>					
	TP-16 24/06/2002	3 . 1 . 0		<a href="#">get it</a>					
<hr/>									
<b>TS 23.171</b>	<b>Location Services (LCS); Functional description; Stage 2 (UMTS)</b>								
R99	current version: 3.9.0	WG (prime / other):	S2 / -	rapporteur:	KÅLL, Jan	NOKIA Corporation			
	freeze_meeting: SP-07	G:	U: yes	MCC:	SULTAN, Alain				
	history (event, available, version,								
	SP-05 13/10/1999	1 . 0 . 0		<a href="#">get it</a>	remarks - general:				
	SP-06 17/12/1999	1 . 1 . 0		<a href="#">get it</a>	remarks - this release:				
	SP-07	2 . 0 . 0	SP-000090						
	SP-07 15/03/2000	3 . 0 . 0		<a href="#">get it</a>					
	SP-08 28/06/2000	3 . 1 . 0		<a href="#">get it</a>					
	SP-10 21/12/2000	3 . 2 . 0		<a href="#">get it</a>					
	SP-11 11/04/2001	3 . 3 . 0		<a href="#">get it</a>					
	SP-12 29/06/2001	3 . 4 . 0		<a href="#">get it</a>					
	SP-13 15/10/2001	3 . 5 . 0		<a href="#">get it</a>					
	SP-14 07/01/2002	3 . 6 . 0		<a href="#">get it</a>					
	SP-15 29/03/2002	3 . 7 . 0		<a href="#">get it</a>					
	SP-16 18/06/2002	3 . 8 . 0		<a href="#">get it</a>					
	SP-17 24/09/2002	3 . 9 . 0		<a href="#">get it</a>					
<hr/>									
<b>TR 23.814</b>	<b>Separating RR and MM specific parts of the MS Classmark</b>								
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		<a href="#">get it</a>	remarks - general:	New after TSG#5			
	NP-06 17/12/1999	3 . 0 . 0		<a href="#">get it</a>	remarks - this release:	TSG #5: 3.0.0: accidentally 3.1.0, but no tech change.			
	editorial (!) 24/01/2000	3 . 1 . 0		<a href="#">get it</a>					

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<b>TR 23.908</b>	<b>Technical report on Pre-Paging</b>				
R99	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	SONERA Corporation	
	<i>freeze_meeting:</i> SP-04	<i>G: yes U: yes</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>				
	NP-03 23/04/1999 0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-04 23/06/1999 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	edito 02/05/2000 3 . 0 . 1	<a href="#">get it</a>			
<hr/>					
<b>TR 23.909</b>	<b>Technical report on the Gateway Location Register</b>				
R99	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David	VODAFONE LTD	
	<i>freeze_meeting:</i> SP-04		Chalmers		
	<i>history (event, available, version,</i>	<i>G: yes U: yes</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	NP-03 23/04/1999 0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-04 23/06/1999 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .		
	edito 03/05/2000 3 . 0 . 1	<a href="#">get it</a>			
<hr/>					
<b>TR 23.910</b>	<b>Circuit switched data bearer services</b>				
R99	<i>current version:</i> 3.6.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> WIIK, Rune Werner	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> SP-07	<i>G: U: yes</i>	<i>MCC:</i> BOSWARTHICK, David		
	<i>history (event, available, version,</i>				
	NP-04 23/06/1999 0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)	
	NP-05 13/10/1999 0 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-06 17/12/1999 1 . 0 . 0	<a href="#">get it</a>			
	NP-07 2 . 0 . 0				
	NP-07 15/03/2000 3 . 0 . 0	<a href="#">get it</a>			
	NP-08 23/06/2000 3 . 1 . 0	<a href="#">get it</a>			
	NP-09 18/10/2000 3 . 2 . 0	<a href="#">get it</a>			
	NP-10 22/12/2000 3 . 3 . 0	<a href="#">get it</a>			
	NP-11 06/04/2001 3 . 4 . 0	<a href="#">get it</a>			
	NP-12 28/06/2001 3 . 5 . 0	<a href="#">get it</a>			
	NP-17 17/09/2002 3 . 6 . 0	<a href="#">get it</a>			

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<b>TR 23.911</b>	<b>Technical report on Out-of-band transcoder control</b>					
R99	<i>current version:</i> 3.0.1		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	SONERA Corporation	
	<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>		
<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>		
<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	TELIA AB	
	<i>freeze_meeting:</i> SP-06		<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> SULTAN, Alain		
	<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>		
<b>TR 23.925</b>	<b>UMTS Core network based ATM transport</b>					
R99	<i>current version:</i> 0.2.0	DRAFT	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> ROUZ, Adel	FUJITSU Laboratories of Europe Limited	
	<i>freeze_meeting:</i> SP-06		<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> SULTAN, Alain		
	<i>history (event, available, version,</i>					
	Table of Contents	22/04/1999	0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i> Oct 00: S2 Secretary indicates this spec is out of date and should be withdrawn.	
	and Scope				<i>remarks - this release:</i> .	
	SP-03	23/04/1999	0 . 2 . 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> U: yes	<i>MCC:</i> SULTAN, Alain		
	<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>			
	draft						
	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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<b>TR 23.972</b>	<b>Circuit switched multimedia telephony</b>						
R99	<i>current version:</i> 3.0.0			<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> FARHOUMAND,		Ericsson Incorporated
	<i>freeze_meeting:</i> SP-07			<i>G:</i> U: yes	Rouzbeh		
	<i>history (event, available, version,</i>				<i>MCC:</i> JORGENSEN, Per Johan		
	Start of work	21/10/1999	0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i> New after TSG#5. Minor title change TSG#7.		
	N1-08	21/10/1999	0 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release:</i>		
	N1-09	09/12/1999	0 . 0 . 3	<a href="#">get it</a>			
	N1-08 revision	29/10/1999	0 . 0 . 3	<a href="#">get it</a>			
	NP-07	15/03/2000	3 . 0 . 0	<a href="#">get it</a>			

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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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<b>TS 24.002</b>	<b>GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration</b>						
R99	<i>current version:</i> 3.1.0			<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> ANDERSEN, Niels		MOTOROLA A/S
	<i>freeze_meeting:</i> SP-07			<i>G:</i> yes <i>U:</i> yes	Peter Skov		
	<i>history (event, available, version,</i>				<i>MCC:</i> JORGENSEN, Per Johan		
	NP-07	17/03/2000	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-10	02/01/2001	3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		

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

R99  
current version: 3.9.0  
freeze\_meeting: SP-05  
history (event, available, version,

WG (prime / other): N1 / - rapporteur: HOWELL, Andrew MOTOROLA Ltd  
G: yes U: yes MCC: JORGENSEN, Per Johan

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

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

R99 current version: 3.14.0

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

NP-04 23/06/1999 3 . 0 . 0

NP-05 13/10/1999 3 . 1 . 0

NP-06 27/12/1999 3 . 2 . 0

editorial correction 04/01/2000 3 . 2 . 1

NP-07 15/03/2000 3 . 3 . 0

edito 25/04/2000 3 . 3 . 1

NP-08 23/06/2000 3 . 4 . 0

Editorial 23/06/2000 3 . 4 . 1

NP-09 06/10/2000 3 . 5 . 0

NP-10 03/01/2001 3 . 6 . 0

NP-11 06/04/2001 3 . 7 . 0

edito 06/07/2001 3 . 7 . 1

NP-12 13/07/2001 3 . 8 . 0

NP-13 03/10/2001 3 . 9 . 0

NP-14 11/01/2002 3 . 10 . 0

NP-15 22/03/2002 3 . 11 . 0

NP-16 24/06/2002 3 . 12 . 0

NP-17 17/09/2002 3 . 13 . 0

NP-18 3 . 14 . 0

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remarks - general: CR correction produced 3.0.1, CR at TSG#5. Outstanding issues not expected to  
remarks - this release: be resolved till Jun00.

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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

G: yes U: yes MCC: Peter Skov  
KYMALAINEN, Kimmo

history (event, available, version,

NP-03 23/04/1999 3 . 0 . 0

NP-08 23/06/2000 3 . 1 . 0

NP-14 10/01/2002 3 . 2 . 0

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remarks - general:  
remarks - this release:

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<b>TS 24.011</b>	<b>Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface</b>								
R99	<i>current version:</i> 3.6.0		<i>WG (prime / other):</i> N1 / T2	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S				
	<i>freeze_meeting:</i> SP-05			Peter Skov					
	<i>history (event, available, version,</i>		<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> JORGENSEN, Per Johan					
	NP-05 13/10/1999	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Transfer>TSG#4					
	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 06/10/2000	3 . 4 . 0	<a href="#">get it</a>						
	NP-10 02/01/2001	3 . 5 . 0	<a href="#">get it</a>						
	NP-11 06/04/2001	3 . 6 . 0	<a href="#">get it</a>						

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<b>TS 24.022</b>	<b>Radio Link Protocol (RLP) for circuit switched bearer and teleservices</b>								
R99	<i>current version:</i> 3.4.0		<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> KLEHN, Norbert	SIEMENS AG				
	<i>freeze_meeting:</i> SP-03		<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> BOSWARTHICK, David					
	<i>history (event, available, version,</i>								
	NP-03 23/04/1999	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link					
	NP-05 13/10/1999	3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and					
	NP-06 11/01/2000	3 . 2 . 0	<a href="#">get it</a>	the Base Station System - Mobile-services Switching Centre (BSS-MSC)					
	NP-08 23/06/2000	3 . 3 . 0	<a href="#">get it</a>						
	edito 17/08/2000	3 . 3 . 1	<a href="#">get it</a>						
	NP-09 12/10/2000	3 . 4 . 0	<a href="#">get it</a>						

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<b>TS 24.030</b>	<b>Location Services (LCS); Supplementary service operations; Stage 3</b>								
R99	<i>current version:</i> 3.3.0		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)				
	<i>freeze_meeting:</i> SP-08		<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> KYMALAINEN, Kimmo					
	<i>history (event, available, version,</i>								
	NP-07 17/03/2000	3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> TSG#7: txfrd from SMG to 3GPP for R99.					
	NP-08 23/06/2000	3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> TSG#7:Decision to create.					
	NP-12 27/06/2001	3 . 2 . 0	<a href="#">get it</a>						
	NP-14 10/01/2002	3 . 3 . 0	<a href="#">get it</a>						

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<b>TS 24.067</b>	<b>Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3</b>					
R99	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> SCHMITT, Peter	SIEMENS AG		
	<i>freeze_meeting:</i> SP-03	G: yes U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version,</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	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>			
			<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	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-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	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-08 23/06/2000 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			

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<b>TS 24.082</b>	<b>Call Forwarding supplementary service; Stage 3</b>					
R99	current version: 3.0.0	WG (prime / other):	N4 / -	rapporteur:	WIEHE, Ulrich	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>	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 Group Plc
	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 (MPPTY) Supplementary Service; Stage 3</b>					
R99	current version: 3.0.0	WG (prime / other):	N4 / -	rapporteur:	RUSSELL, Nick	VODAFONE Group Plc
	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	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>	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	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>	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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[http://www.3gpp.org/ftp/Specs/archive/24\\_series](http://www.3gpp.org/ftp/Specs/archive/24_series)

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<b>TS 24.087</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	SIEMENS AG		
	<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	SIEMENS AG		
	<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	SIEMENS AG		
	<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	SIEMENS AG		
	<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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G = required in systems with GERAN acces; U = required in systems with UMTS

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

[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  
*G: U: yes* *MCC:* KYMALAINEN, Kimmo NTT COMWARE Corporation

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

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



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## TS 25.102 UTRA (UE) TDD; Radio transmission and reception

R99 current version: 3.12.0

freeze\_meeting: SP-05

history (event, available, version,

Table of Contents and Scope	04/02/1999	0	.	0	.	0
First complete draft	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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## TS 25.104 UTRA (BS) FDD; Radio transmission and reception

R99 *current version:* 3.11.0

*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 3 . 11 . 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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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 25.105 UTRA (BS) TDD: Radio transmission and reception

R99 current version: 3.12.0

freeze\_meeting: SP-05

history (event, available, version,

First complete 04/03/1999 0 . 0 . 0

draft

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

R99 *current version:* 3.11.0 *WG (prime / other):* R4 / - *rapporteur:* GUERRINI, Claudio TELECOM ITALIA S.p.A.  
*freeze\_meeting:* SP-06 *G:* U: yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version,*

RP-06	17/12/1999	3	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
RP-07	17/03/2000	3	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
edito	27/04/2000	3	.	1	.	1	<a href="#">get it</a>	
RP-08	23/06/2000	3	.	2	.	0	<a href="#">get it</a>	
RP-09	11/10/2000	3	.	3	.	0	<a href="#">get it</a>	
RP-10	22/12/2000	3	.	4	.	0	<a href="#">get it</a>	
RP-11	05/04/2001	3	.	5	.	0	<a href="#">get it</a>	
RP-12	29/06/2001	3	.	6	.	0	<a href="#">get it</a>	
RP-13	03/10/2001	3	.	7	.	0	<a href="#">get it</a>	
RP-14	16/01/2002	3	.	8	.	0	<a href="#">get it</a>	
RP-15	19/03/2002	3	.	9	.	0	<a href="#">get it</a>	
RP-16	03/07/2002	3	.	10	.	0	<a href="#">get it</a>	
RP-17	04/10/2002	3	.	11	.	0	<a href="#">get it</a>	

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

R99 *current version:* 3.12.0 *WG (prime / other):* R4 / - *rapporteur:* GUERRINI, Claudio TELECOM ITALIA S.p.A.  
*freeze\_meeting:* SP-06 *G:* U: yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version,*

RP-06	17/12/1999	3	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
RP-07	17/03/2000	3	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
RP-08	23/06/2000	3	.	2	.	0	<a href="#">get it</a>	
RP-09	18/10/2000	3	.	3	.	0	<a href="#">get it</a>	
RP-10	09/01/2001	3	.	4	.	0	<a href="#">get it</a>	
RP-11	05/04/2001	3	.	5	.	0	<a href="#">get it</a>	
RP-12	29/06/2001	3	.	6	.	0	<a href="#">get it</a>	
RP-13	03/10/2001	3	.	7	.	0	<a href="#">get it</a>	
RP-14	17/01/2002	3	.	8	.	0	<a href="#">get it</a>	
RP-15	19/03/2002	3	.	9	.	0	<a href="#">get it</a>	
RP-16	04/07/2002	3	.	10	.	0	<a href="#">get it</a>	
RP-17	04/10/2002	3	.	11	.	0	<a href="#">get it</a>	
RP-18		3	.	12	.	0		

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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 conformance testing (FDD)

R99 current version: 3.12.0

freeze\_meeting: SP-06

history (event, available, version,

Table of Contents and Scope	04/02/1999	0	.	0	.	1
First complete draft	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		3	.	12	.	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

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## TS 25.142 Base station conformance testing (TDD)

R99 current version: 3.12.0

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		3	.	12	.	0

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

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[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	16/10/1998	0	.	0	.	0
and Scope						
First complete	15/02/1999	1	.	0	.	0
draft						
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:  
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G = required in systems with GERAN acces; U = required in systems with UMTS

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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	/ -	<i>rapporteur:</i>	WILDE, Andreas	Telefon AB LM Ericsson
	<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							<a href="#">get it</a> <i>remarks - general:</i>
First complete	04/03/1999	1	.	0	.	0	<i>remarks - this release:</i>
draft							
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

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[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 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

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, Yoshinori Fujitsu Limited  
G: U: yes MCC: SASAKI, Tsukasa

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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:  
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 25.214 Physical layer procedures (FDD)

R99 current version: 3.11.0

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

WG (prime / other): R1 / -

G: U: yes

rapporteur: IKEDA, Shinobu

MCC: SASAKI, Tsukasa

NEC Corporation

[get it](#)

remarks - general:

[get it](#)

remarks - this release:

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## TS 25.215 Physical layer; Measurements (FDD)

R99 current version: 3.11.0

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

WG (prime / other): R1 / -

G: U: yes

rapporteur: IKEDA, Shinobu

MCC: SASAKI, Tsukasa

NEC Corporation

[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 25.221 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	Matsushita Communication Industrial 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	<a href="#">get it</a> <i>remarks - general:</i>
RP-04	23/06/1999	1	.	1	.	0	<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	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-17	27/09/2002	3	.	11	.	0	<a href="#">get it</a>

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

# 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)

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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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## TS 25.223 Spreading and modulation (TDD)

R99 *current version:* 3.8.0  
*freeze\_meeting:* SP-05

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

*history (event, available, version,*

Creation of WI by 15/01/1999 0 . 0 . 0  
WG/TB

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

First complete 04/03/1999 1 . 0 . 0  
draft

[get it](#)

RP-03 23/04/1999 2 . 0 . 0

[get it](#)

RP-04 23/06/1999 2 . 1 . 0

[get it](#)

RP-05 13/10/1999 3 . 0 . 0

[get it](#)

RP-06 12/12/1999 3 . 1 . 0

[get it](#)

RP-07 15/03/2000 3 . 2 . 0

[get it](#)

RP-08 23/06/2000 3 . 3 . 0

[get it](#)

RP-09 18/10/2000 3 . 4 . 0

[get it](#)

RP-11 05/04/2001 3 . 5 . 0

[get it](#)

RP-12 28/06/2001 3 . 6 . 0

[get it](#)

RP-13 08/10/2001 3 . 7 . 0

[get it](#)

RP-15 29/03/2002 3 . 8 . 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 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 3 . 12 . 0

WG (prime / other): R1 / - rapporteur: OESTREICH, Stefan SIEMENS AG

G: U: yes MCC: SASAKI, Tsukasa

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

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## TS 25.225 Physical layer; Measurements (TDD)

R99 current version: 3.11.0

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

WG (prime / other): R1 / - rapporteur: IKEDA, Shinobu NEC Corporation

G: U: yes MCC: SASAKI, Tsukasa

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

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

# 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 25.301 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 draft	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 ERICSSON Eurolab Deutschland GmbH  
G: U: yes MCC: ARZELIER, Claude

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

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

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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 25.302 Services provided by the physical layer

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  
draft

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 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 access; 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)

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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 04/02/1999 0 . 0 . 0

and Scope

First complete 04/03/1999 1 . 0 . 0

draft

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

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**TS 25.304 UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode**

R99 *current version:* 3.12.0 *WG (prime / other):* R2 / - *rapporteur:* MAHKONEN, Marko NOKIA Corporation  
*freeze\_meeting:* SP-05 *G:* U: yes *MCC:* ARZELIER, Claude

*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		3	.	12	.	0

[get it](#) *remarks - general:*  
[get it](#) *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:* 3.8.0 *WG (prime / other):* R2 / - *rapporteur:* MIHA ILESCU, Claudiu NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* RP-07 *G:* U: yes *MCC:* ARZELIER, Claude

*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

[get it](#) *remarks - general:* Created from 25.923  
[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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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:* 3.7.0 *WG (prime / other):* R2 / - *rapporteur:* BERGGREN, Anders Ericsson Incorporated  
*freeze\_meeting:* SP-10 *G:* U: yes *MCC:* ARZELIER, Claude

*history (event, available, version,*

RP-10	22/12/2000	3	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i> Converted from TR 25.926 at TSG#10.
RP-11	27/03/2001	3	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> Converted from TR 25.926 v3.2.0 Nov 00.
RP-12	19/06/2001	3	.	2	.	0	<a href="#">get it</a>	
RP-13	02/10/2001	3	.	3	.	0	<a href="#">get it</a>	
RP-14	04/01/2002	3	.	4	.	0	<a href="#">get it</a>	
RP-15	19/03/2002	3	.	5	.	0	<a href="#">get it</a>	
RP-16	17/06/2002	3	.	6	.	0	<a href="#">get it</a>	
RP-18		3	.	7	.	0		

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

R99 *current version:* 3.1.0 *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-12	27/06/2001	2	.	0	.	0	RP-010326, to be approved RP-13.	<a href="#">get it</a>	<i>remarks - general:</i> Release independent! - sort of. RP-13: responsibility: R2 = signalling
RP-13	01/10/2001	2	.	1	.	0	RP-010557, but not for approval? - RMM requirements. debate!	<a href="#">get it</a>	<i>remarks - this release:</i> Expect continual updates each time a new band is allowed. requirements, R4 = RF &
RP-13	02/10/2001	3	.	0	.	0	Was approved after all!	<a href="#">get it</a>	
RP-14	04/01/2002	3	.	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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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: 3.14.0

freeze\_meeting: TP-04

history (event, available, version,

Table of Contents and Scope	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	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		3	.	14	.	0

WG (prime / other): R2 / - rapporteur: NEMETHOVA, Olivia  
G: U: yes MCC: ARZELIER, Claude

SIEMENS AG

[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)

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

R99 current version: 3.13.0

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 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 3 . 13 . 0

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

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

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G = required in systems with GERAN 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 25.323 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:* 3.6.0

*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		3	.	6	.	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

# 3GPP specification status

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Server ACTIVE specs R99 25 .- series  
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## TS 25.331 Radio Resource Control (RRC) protocol specification

R99 current version: 3.13.0

freeze\_meeting: SP-05

history (event, available, version,

Table of Contents and Scope	04/02/1999	0	.	0	.	0
First complete draft	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		3	.	13	.	0

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

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

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

# 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 25.401 UTRAN Overall Description

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

First complete 04/03/1999 1 . 0 . 0  
draft

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

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:

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## TS 25.402 Synchronisation in UTRAN Stage 2

R99 current version: 3.10.0

freeze\_meeting: SP-06

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

WG (prime / other): R3 / - rapporteur: PIOLINI, Flavio Indicate persons who left Company and wait for new  
One

G: U: yes MCC: KRAUSE, Joern

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

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

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Server ACTIVE specs R99 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 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 25.412 UTRAN lu interface signalling transport

R99 current version: 3.6.0

freeze\_meeting: SP-04

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

WG (prime / other): R3 / - rapporteur: THAKARE, Kiran

G: U: yes MCC: KRAUSE, Joern

RadioScape Limited

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

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## TS 25.413 UTRAN lu interface RANAP signalling

R99 current version: 3.12.0

freeze\_meeting: SP-06

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 3 . 12 . 0

WG (prime / other): R3 / - rapporteur: JUSSILA, Jyrki

G: U: yes MCC: KRAUSE, Joern

NOKIA Corporation

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

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



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## TS 25.414 UTRAN lu interface data transport & transport signalling

R99 current version: 3.12.0

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		3	.	12	.	0

WG (prime / other): R3 / - rapporteur: COMSTOCK, David

G: U: yes MCC: KRAUSE, Joern

Telefon AB LM Ericsson

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

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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:  
[get it](#) remarks - this release:  
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## TS 25.419 UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)

R99 current version: 3.10.0

freeze\_meeting: SP-07

history (event, available, version,

RP-06	17/12/1999	0	.	0	.	0
RP-07		2	.	0	.	0
RP-07	15/03/2000	3	.	0	.	0
RP-08	23/06/2000	3	.	1	.	0
RP-09	05/10/2000	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
RP-13	12/10/2001	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
RP-17	30/09/2002	3	.	10	.	0

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

MOTOROLA Ltd

[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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## TS 25.420 UTRAN Iur Interface: General Aspects and Principles

R99 *current version:* 3.5.0  
*freeze\_meeting:* SP-06  
*history (event, available, version,*

*WG (prime / other):* R3 / - *rapporteur:* THAKARE, Kiran  
*G:* *U:* yes *MCC:* KRAUSE, Joern RadioScape Limited

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

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

*WG (prime / other):* R3 / - *rapporteur:* BRANDT, Achim V.  
*G:* *U:* yes *MCC:* KRAUSE, Joern SIEMENS AG

RP-03 23/04/1999 0 . 0 . 0  
RP-04 23/06/1999 3 . 0 . 0  
RP-11 06/04/2001 3 . 1 . 0

[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 (prime / other):* R3 / - *rapporteur:* THAKARE, Kiran  
*G:* *U:* yes *MCC:* KRAUSE, Joern RadioScape Limited

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

[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 RNSAP signalling

R99 current version: 3.12.0

freeze\_meeting: SP-06

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		3	.	12	.	0

WG (prime / other): R3 / - rapporteur: RUNE, Göran Ericsson AB  
G: U: yes MCC: KRAUSE, Joern

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

R99 *current version:* 3.9.0 *WG (prime / other):* R3 / - *rapporteur:* DREVON, Nicolas ALCATEL S.A.  
*freeze\_meeting:* SP-04 *G:* U: yes *MCC:* KRAUSE, Joern

*history (event, available, version,*

WG approval	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-06	12/12/1999	3	.	1	.	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-08	23/06/2000	3	.	3	.	0		<a href="#">get it</a>	
RP-09	05/10/2000	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-14	11/01/2002	3	.	7	.	0		<a href="#">get it</a>	
RP-15	02/04/2002	3	.	8	.	0		<a href="#">get it</a>	
RP-16	28/06/2002	3	.	9	.	0		<a href="#">get it</a>	

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

R99 *current version:* 3.7.0 *WG (prime / other):* R3 / - *rapporteur:* DREVON, Nicolas ALCATEL S.A.  
*freeze\_meeting:* SP-05 *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	0	.	1	.	0		<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	.	2	.	5		<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-10	21/12/2000	3	.	3	.	0		<a href="#">get it</a>	
RP-11	06/04/2001	3	.	4	.	0		<a href="#">get it</a>	
RP-13	12/10/2001	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>	

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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>						
R99	current version: 3.9.0	WG (prime / other):	R3 / -	rapporteur:	KEKKI, Sami	NOKIA Corporation	
	freeze_meeting: SP-04	G:	U: yes	MCC:	KRAUSE, Joern		
	history (event, available, version,						
	WG approval	19/03/1999	0 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	RP-03	23/04/1999	1 . 0 . 0	<a href="#">get it</a>	remarks - this release:		
	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-08	23/06/2000	3 . 3 . 0	<a href="#">get it</a>			
	RP-09	05/10/2000	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-14	11/01/2002	3 . 7 . 0	<a href="#">get it</a>			
	RP-15	04/04/2002	3 . 8 . 0	<a href="#">get it</a>			
	RP-16	28/06/2002	3 . 9 . 0	<a href="#">get it</a>			
<hr/>							
<b>TS 25.427</b>	<b>UTRAN Iur and Iub interface user plane protocols for DCH data streams</b>						
R99	current version: 3.10.0	WG (prime / other):	R3 / -	rapporteur:	LONGONI, Fabio	NOKIA TELECOMMUNICATIONS FINLAND	
	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>	remarks - general:		
	RP-04	23/06/1999	0 . 2 . 1	<a href="#">get it</a>	remarks - this release:		
	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	05/10/2000	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-18		3 . 10 . 0				

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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 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

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

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

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

WG (prime / other): R3 / - rapporteur: BRANDT, Achim V.  
G: U: yes MCC: KRAUSE, Joern

SIEMENS AG

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

## TS 25.432 UTRAN lub interface: signalling transport

R99 current version: 3.1.0

freeze\_meeting: SP-04

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

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

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

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## TS 25.433 UTRAN lub interface NBAP signalling

R99 current version: 3.12.0

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		3	.	12	.	0

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

[get it](#) remarks - general:  
[get it](#) remarks - this release:  
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## TS 25.434 UTRAN lub interface data transport & transport signalling for CCH data streams

R99 current version: 3.8.0

freeze\_meeting: SP-04

history (event, available, version,

draft	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-09	05/10/2000	3	.	3	.	0
RP-10	21/12/2000	3	.	4	.	0
RP-11	06/04/2001	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

WG (prime / other): R3 / - rapporteur: ALDEN, Magnus TELIA AB  
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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<b>TS 25.435</b>	<b>UTRAN lub interface user plane protocols for CCH data streams</b>					
R99	<i>current version:</i> 3.10.0		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> CALMEL, Jean-Marie		NORTEL NETWORKS (EUROPE)
	<i>freeze_meeting:</i> SP-05		<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern		
	<i>history (event, available, version,</i>					
	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>		
<hr/>						
<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		<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-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>		
<hr/>						
<b>TR 25.831</b>	<b>Study Items for future release</b>					
R99	<i>current version:</i> 0.0.2	DRAFT	<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> .	

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

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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>freeze_meeting:</i> SP-05								
	<i>history (event, available, version,</i>								
	First complete	04/03/1999	0	.	0	.	0		
	draft								
	WG approval	19/03/1999	1	.	0	.	0		
	RP-03	23/04/1999	2	.	0	.	0		
	RP-04	23/06/1999	2	.	1	.	1		
	RP-05	13/10/1999	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>	
								<a href="#">get it</a>	
<b>TR 25.833</b>	<b>Physical layer items not for inclusion in Release 99</b>								
R99	<i>current version:</i> 1.1.0								
	<i>freeze_meeting:</i> SP-06								
	<i>history (event, available, version,</i>								
	RP-08	12/01/2001	1	.	1	.	0		
								<a href="#">get it</a>	<i>remarks - general:</i> Created Jan 2000 (aka R1.03)
									<i>remarks - this release:</i>
<b>TR 25.853</b>	<b>Delay budget within the access stratum</b>								
R99	<i>current version:</i> 3.1.0								
	<i>freeze_meeting:</i> RP-11								
	<i>history (event, available, version,</i>								
	draft	06/04/2001	0	.	0	.	0		
	RP-10	22/12/2000	3	.	0	.	0		
	RP-11	06/04/2001	3	.	1	.	0		
								<a href="#">get it</a>	<i>remarks - general:</i> Was 25.932. Approved and renumbered at TSG#10.
								<a href="#">get it</a>	<i>remarks - this release:</i> TSG#10:3.0.0 (is evidently R99 not Rel-4)
								<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 25.921 Guidelines and principles for protocol description and error handling

R99 *current version:* 3.8.0 *WG (prime / other):* R2 / - *rapporteur:* KALLA, Gairn NOKIA UK Ltd  
*freeze\_meeting:* SP-06 *G:* U: yes *MCC:* ARZELIER, Claude  
*history (event, available, version,*  
Table of Contents 04/02/1999 0 . 0 . 0 [get it](#) *remarks - general:*  
and Scope *remarks - this release:*  
RP-03 23/04/1999 1 . 0 . 0 [get it](#)  
RP-05 13/10/1999 1 . 3 . 0 [get it](#)  
RP-06 12/12/1999 3 . 0 . 0 [get it](#)  
RP-07 15/03/2000 3 . 1 . 0 [get it](#)  
RP-10 20/12/2000 3 . 2 . 0 [get it](#)  
RP-11 27/03/2001 3 . 3 . 0 [get it](#)  
RP-12 19/06/2001 3 . 4 . 0 [get it](#)  
RP-13 02/10/2001 3 . 5 . 0 [get it](#)  
RP-14 04/01/2002 3 . 6 . 0 [get it](#)  
RP-15 19/03/2002 3 . 7 . 0 [get it](#)  
RP-18 3 . 8 . 0

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## TR 25.922 Radio Resource Management Strategies

R99 *current version:* 3.7.0 *WG (prime / other):* R2 / - *rapporteur:* BULDORINI, Andrea Telecom Italia Lab S.p.A.  
*freeze\_meeting:* SP-06 *G:* U: yes *MCC:* ARZELIER, Claude  
*history (event, available, version,*  
First complete 04/03/1999 0 . 0 . 0 [get it](#) *remarks - general:*  
draft *remarks - this release:*  
RP-03 23/04/1999 0 . 1 . 1 [get it](#)  
RP-04 23/06/1999 0 . 2 . 0 [get it](#)  
RP-05 13/10/1999 0 . 5 . 0 [get it](#)  
RP-06 12/12/1999 3 . 0 . 0 [get it](#)  
RP-07 15/03/2000 3 . 1 . 0 [get it](#)  
RP-08 23/06/2000 3 . 2 . 0 [get it](#)  
RP-09 16/10/2000 3 . 3 . 0 [get it](#)  
RP-10 20/12/2000 3 . 4 . 0 [get it](#)  
RP-11 27/03/2001 3 . 5 . 0 [get it](#)  
RP-13 02/10/2001 3 . 6 . 0 [get it](#)  
RP-15 19/03/2002 3 . 7 . 0 [get it](#)

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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 Vodafone D2 GmbH  
*G:* U: yes *MCC:* ARZELIER, Claude

*history (event, available, version,*  
First complete 04/03/1999 0 . 0 . 0  
draft  
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:*  
*remarks - this release:*  
[get it](#)  
[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-000125  
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:*  
*remarks - this release:*  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
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[get it](#)  
[get it](#)  
[get it](#)

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

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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		<i>G:</i>	<i>MCC:</i>	GUTIERREZ MIGUELEZ, Cesar
	<i>history (event, available, version,</i>		<i>U: yes</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>		
<hr/>					
<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	Vodaf one Omnitel SpA
	<i>freeze_meeting:</i> SP-11		<i>G:</i>	<i>MCC:</i>	GUTIERREZ MIGUELEZ, Cesar
	<i>history (event, available, version,</i>		<i>U: yes</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>		
<hr/>					
<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		<i>G:</i>	<i>MCC:</i>	SASAKI, Tsukasa
	<i>history (event, available, version,</i>		<i>U: yes</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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G = required in systems with GERAN access; U = required in systems with UMTS

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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:* *G:* *U:* yes *MCC:* ARZELIER, Claude  
*history (event, available, version, RP-18 3 . 0 . 0* *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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G = required in systems with GERAN acces; U = required in systems with UMTS

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**TS 26.074 AMR speech Codec; Test sequences**

R99 *current version:* 3.1.1  
*freeze\_meeting:* SP-06  
*history (event, available, version,*

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

Telefon AB LM Ericsson

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 available 02/02/2000 3 . 0 . 1  
Test sequences corrected 14/09/2000 3 . 0 . 2  
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  
*history (event, available, version,*

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

Telefon AB LM Ericsson

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  
*history (event, available, version,*

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

Telefon AB LM Ericsson

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

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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 Lab 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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<b>TS 26.102</b>	<b>AMR speech Codec; Interface to lu and Uu</b>					
R99	current version: 3.3.0	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	<a href="#">get it</a>	remarks - general:	
	SP-06 17/12/1999	3	. 0 . 0	<a href="#">get it</a>	remarks - this release:	
	SP-07 15/03/2000	3	. 1 . 0	<a href="#">get it</a>		
	SP-10 12/12/2000	3	. 2 . 0	<a href="#">get it</a>		
	SP-11 10/04/2001	3	. 3 . 0	<a href="#">get it</a>		
<hr/>						
<b>TS 26.103</b>	<b>Speech codec list for GSM and UMTS</b>					
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	<a href="#">get it</a>	remarks - general: New after TSG#5	
	SP-14 09/01/2002	3	. 1 . 0	<a href="#">get it</a>	remarks - this release: .	
	SP-16 28/06/2002	3	. 2 . 0	<a href="#">get it</a>		
<hr/>						
<b>TS 26.104</b>	<b>ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec</b>					
R99	current version: 3.4.0	WG (prime / other):	S4 / -	rapporteur:	USAI, Paolino	Telecom Italia Lab 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	<a href="#">get it</a>	remarks - general:	
	SP-07 15/03/2000	0	. 3 . 0	<a href="#">get it</a>	remarks - this release:	SP-000022
	SP-08 28/06/2000	3	. 0 . 0	<a href="#">get it</a>		
	SP-10 21/12/2000	3	. 1 . 0	<a href="#">get it</a>		
	SP-12 27/06/2001	3	. 2 . 0	<a href="#">get it</a>		
	bug fix 29/06/2001	3	. 2 . 1	<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>		

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

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<b>TS 26.110</b>	<b>Codec for circuit switched multimedia telephony service; General description</b>					
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> ARONSON, Barry	TOSHIBA CO		
	<i>freeze_meeting:</i> SP-04	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</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 . 1	<a href="#">get it</a>				
	SP-11 04/07/2001 3 . 1 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 26.111</b>	<b>Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324</b>					
R99	<i>current version:</i> 3.4.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> ARONSON, Barry	TOSHIBA CO		
	<i>freeze_meeting:</i> SP-04	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-03 26/04/1999 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> CR at TSG#5			
	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>				
	SP-06 15/12/1999 3 . 1 . 0	<a href="#">get it</a>				
	SP-08 28/06/2000 3 . 2 . 0	<a href="#">get it</a>				
	SP-09 10/10/2000 3 . 3 . 0	<a href="#">get it</a>				
	SP-10 21/12/2000 3 . 4 . 0	<a href="#">get it</a>				
<hr/>						
<b>TS 26.131</b>	<b>Terminal acoustic characteristics for telephony; Requirements</b>					
R99	<i>current version:</i> 3.4.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> GOETZ, Ian	TELLABS OPERATIONS INC.		
	<i>freeze_meeting:</i> SP-06	G: U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-05 13/10/1999 0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	SP-06 17/12/1999 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	SP-08 28/06/2000 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-17 24/09/2002 3 . 4 . 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 26.132</b>	<b>Narrow band (3,1 kHz) speech and vide o telephony terminal acoustic test specification</b>					
R99	current version: 3.5.0	WG (prime / other): S4 / -	rapporteur: GOETZ, Ian	TELLABS OPERATIONS INC.		
	freeze_meeting: SP-08	G: U: yes	MCC: USAI, Paolino			
	history (event, available, version,					
	SP-05 13/10/1999	0 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	draft	0 . 0 . 1		remarks - this release:		
	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	current version: 3.3.0	WG (prime / other): S4 / -	rapporteur: HAAVISTO, Petri	Nokia Research Center		
	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:		
	SP-04 23/06/1999	3 . 0 . 0	<a href="#">get it</a>	remarks - this release:		
	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>			
<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	current version: 3.0.0	WG (prime / other): S4 / -	rapporteur: FRANCESCHI, Olle	Nippon Ericsson K.K.		
	freeze_meeting: SP-07	G: U: yes	MCC: USAI, Paolino			
	history (event, available, version,					
	SP-03 26/04/1999	0 . 0 . 1	<a href="#">get it</a>	remarks - general:		
	SP-04 23/06/1999	1 . 0 . 0	<a href="#">get it</a>	remarks - this release:		
	SP-07 15/03/2000	3 . 0 . 0	<a href="#">get it</a>			

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

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[http://www.3gpp.org/ftp/Specs/archive/26\\_series](http://www.3gpp.org/ftp/Specs/archive/26_series)

## 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

G: yes U: yes

MCC: USAI, Paolino

TELLABS OPERATIONS INC.

[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

G: yes U: yes

MCC: USAI, Paolino

Telefon AB LM Ericsson

[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

27 .- series

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: 3.11.0

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

WG (prime / other): N3 / - rapporteur: WIJK, Rune Werner

G: yes U: yes

MCC: BOSWARTHICK, David

Telefon AB LM Ericsson

[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 27.002 Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities

R99 *current version:* 3.5.0 *WG (prime / other):* N3 / - *rapporteur:* WIJK, Rune Werner 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 [get it](#) *remarks - general:*  
NP-05 13/10/1999 3 . 1 . 0 [get it](#) *remarks - this release:*  
NP-06 17/12/1999 3 . 2 . 0 [get it](#)  
NP-07 15/03/2000 3 . 3 . 0 [get it](#)  
NP-08 23/06/2000 3 . 4 . 0 [get it](#)  
NP-09 12/10/2000 3 . 5 . 0 [get it](#)

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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:* WIJK, Rune Werner 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 [get it](#) *remarks - general:*  
NP-04 23/06/1999 3 . 1 . 0 [get it](#) *remarks - this release:*  
NP-06 17/12/1999 3 . 2 . 0 [get it](#)  
NP-07 15/03/2000 3 . 3 . 0 [get it](#)  
NP-08 23/06/2000 3 . 4 . 0 [get it](#)  
NP-09 12/10/2000 3 . 5 . 0 [get it](#)

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## TS 27.005 Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)

R99 *current version:* 3.2.0 *WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Teleca Limited  
*freeze\_meeting:* SP-04 *G: yes U: yes* *MCC:* RODERMUND, Friedhelm  
*history (event, available, version,*  
TP-03 28/04/1999 1 . 0 . 0 [get it](#) *remarks - general:*  
TP-04 18/06/1999 3 . 0 . 0 [get it](#) *remarks - this release: .*  
TP-06 17/12/1999 3 . 1 . 0 [get it](#)  
TP-16 25/06/2002 3 . 2 . 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 27.007 AT command set for 3G User Equipment (UE)

R99 current version: 3.12.0

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		3	.	12	.	0

WG (prime / other): T2 / - rapporteur: TOMÉ, Olga Telefon AB LM Ericsson  
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](#)  
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[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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Server ACTIVE specs R99 27 .- series  
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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> 3.7.0		<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> WILD, Johanna	MOTOROLA Ltd		
	<i>freeze_meeting:</i> SP-03		<i>G:</i> yes <i>U:</i> 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>			
<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		<i>G:</i> yes <i>U:</i> 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		<i>G:</i> <i>U:</i> 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		<i>G:</i> <i>U:</i> 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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[http://www.3gpp.org/ftp/Specs/archive/27\\_series](http://www.3gpp.org/ftp/Specs/archive/27_series)

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: 3.15.0

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 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 3 . 15 . 0

WG (prime / other): N4 / - rapporteur: WIEHE, Ulrich SIEMENS AG  
G: yes U: yes MCC: KYMALAINEN, Kimmo

[get it](#) remarks - general:

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

[get it](#)

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



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<b>TS 29.007</b>	<b>General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone</b>	3.11.0	WG (prime / other):	N3	/-	rapporteur:	KLEHN, Norbert
R99	current version: <b>Network (PSTN)</b>						
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		<a href="#">get it</a>	remarks - general:		
	post-SP-04 27/05/1999	3 . 1 . 0		<a href="#">get it</a>	remarks - this release:		
	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-08 23/06/2000	3 . 5 . 0		<a href="#">get it</a>			
	NP-09 12/10/2000	3 . 6 . 0		<a href="#">get it</a>			
	NP-10 22/12/2000	3 . 7 . 0		<a href="#">get it</a>			
	NP-11 29/03/2001	3 . 8 . 0		<a href="#">get it</a>			
	NP-14 11/01/2002	3 . 9 . 0		<a href="#">get it</a>			
	NP-16 24/06/2002	3 . 10 . 0		<a href="#">get it</a>			
	NP-18	3 . 11 . 0					

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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>	3.10.0	WG (prime / other):	N4	/-	rapporteur:	KYMALAINEN, Kimmo
R99	current version: <b>Procedures and the Mobile Application Part (MAP)</b>						
SONERA Corporation							
	freeze_meeting: SP-05		G: yes	U: yes	MCC:		KYMALAINEN, Kimmo
	history (event, available, version,						
	NP-03 23/04/1999	0 . 0 . 0		<a href="#">get it</a>	remarks - general:	Transfer>TSG#4 (transfer??)	
	NP-05 13/10/1999	3 . 0 . 0		<a href="#">get it</a>	remarks - this release:		
	NP-06 15/12/1999	3 . 1 . 0		<a href="#">get it</a>			
	NP-07 15/03/2000	3 . 2 . 0		<a href="#">get it</a>			
	NP-09 26/10/2000	3 . 3 . 0		<a href="#">get it</a>			
	NP-10 21/12/2000	3 . 4 . 0		<a href="#">get it</a>			
	NP-11 30/03/2001	3 . 5 . 0		<a href="#">get it</a>			
	NP-12 04/07/2001	3 . 6 . 0		<a href="#">get it</a>			
	NP-14 11/01/2002	3 . 7 . 0		<a href="#">get it</a>			
	NP-16 21/06/2002	3 . 8 . 0		<a href="#">get it</a>			
	NP-17 18/09/2002	3 . 9 . 0		<a href="#">get it</a>			
	NP-18	3 . 10 . 0					

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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 SIEMENS AG  
*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 SIEMENS AG  
*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:*

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**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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<b>TS 29.060</b>	<b>General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface</b>				
R99	current version: 3.15.0	WG (prime / other): N4 / -	rapporteur: KYMALAINEN, Kimmo	SONERA Corporation	
	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-04 23/06/1999	3 . 1 . 0	<a href="#">get it</a>	remarks - this release:	
	NP-05 13/10/1999	3 . 2 . 0	<a href="#">get it</a>		
	NP-06 15/12/1999	3 . 3 . 0	<a href="#">get it</a>		
	NP-07 15/03/2000	3 . 4 . 0	<a href="#">get it</a>		
	NP-08 23/06/2000	3 . 5 . 0	<a href="#">get it</a>		
	NP-10 28/09/2000	3 . 6 . 0	<a href="#">get it</a>		
	NP-10 21/12/2000	3 . 7 . 0	<a href="#">get it</a>		
	NP-11 30/03/2001	3 . 8 . 0	<a href="#">get it</a>		
	NP-12 04/07/2001	3 . 9 . 0	<a href="#">get it</a>		
	NP-13 03/10/2001	3 . 10 . 0	<a href="#">get it</a>		
	NP-14 11/01/2002	3 . 11 . 0	<a href="#">get it</a>		
	NP-15 28/03/2002	3 . 12 . 0	<a href="#">get it</a>		
	NP-16 21/06/2002	3 . 13 . 0	<a href="#">get it</a>		
	NP-17 18/09/2002	3 . 14 . 0	<a href="#">get it</a>		
	NP-18	3 . 15 . 0			

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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	current version: 3.11.0	WG (prime / other): N3 / -	rapporteur: WILD, Johanna	MOTOROLA Ltd	
	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>	remarks - general: Former title: "General Packet Radio Service (GPRS); Interworking between the	
	NP-04 23/06/1999	3 . 1 . 0	<a href="#">get it</a>	remarks - this release: 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	3 . 11 . 0			

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

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<b>TS 29.078</b>	<b>Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification</b>				
R99	<i>current version:</i> 3.14.0	<i>WG (prime / other):</i> N2 / -	<i>rapporteur:</i> NOLDUS, Rogier	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> SP-05	<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> JURISIC, Andrijana		
	<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	3 . 14 . 0			

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<b>TS 29.108</b>	<b>Application of the Radio Access Network Application Part (RANAP) on the E-interface</b>				
R99	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> VESELY, Alexander	SIEMENS AG	
	<i>freeze_meeting:</i> SP-08	<i>G:</i> <i>U:</i> yes	<i>MCC:</i> KRAUSE, Joern		
	<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>		

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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> <i>U:</i> 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>		

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

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<b>TS 29.120</b>	<b>Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3</b>					
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> MITAMURA, Kazuo	NTT COMWARE Corporation		
	<i>freeze_meeting:</i> SP-07	<i>G:</i> U: yes	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version,</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> MOERDIJK, Ard-Jan	Telefon AB LM Ericsson		
	<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 29.993</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>	<i>G:</i> yes U: yes	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar			
	<i>history (event, available, version,</i>					
			<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			
<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> 3.0.0	<i>WG (prime / other):</i> N1 / RP	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S		
	<i>freeze_meeting:</i>	<i>G:</i> yes U: yes	Peter Skov			
	<i>history (event, available, version,</i>		<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			
			<i>remarks - this release:</i> . latest Release version.			

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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:* MOERDIJK, Ard-Jan Telefon AB LM Ericsson  
*G:* *U:* yes *MCC:* ZOICAS, Adrian

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

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R99

30 .- series

Server location: [http://www.3gpp.org/ftp/Specs/archive/30\\_series](http://www.3gpp.org/ftp/Specs/archive/30_series)

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## TR 30.531 Work Plan and Study Items - RAN WG3

R99 current version: 0.9.3 DRAFT

freeze\_meeting: SP-06

history (event, available, version,

draft 15/02/1999 0 . 0 . 1

draft 15/03/1999 0 . 0 . 2

draft 15/04/1999 0 . 0 . 3

RP-03 23/04/1999 0 . 1 . 0

draft 15/05/1999 0 . 1 . 1

RP-04 23/06/1999 0 . 1 . 2

RP-05 13/10/1999 0 . 3 . 1

draft 30/10/1999 0 . 3 . 2

draft 15/11/1999 0 . 4 . 0

draft 30/11/1999 0 . 4 . 1

RP-06 12/12/1999 0 . 5 . 0

draft 15/01/2000 0 . 5 . 1

draft 15/02/2000 0 . 6 . 0

draft 20/02/2000 0 . 6 . 1

RP-07 15/03/2000 0 . 7 . 0 RP-000142

draft 30/03/2000 0 . 7 . 1

RP-08 23/06/2000 0 . 8 . 0

RP-09 15/08/2000 0 . 8 . 1

RP-09 03/10/2000 0 . 8 . 2

RP-10 0 . 8 . 5 RP-000688

draft 21/12/2000 0 . 8 . 6

RP-11 27/03/2001 0 . 8 . 8

RP-12 05/07/2001 0 . 9 . 0 RP-010388

RP-13 01/10/2001 0 . 9 . 2 RP-010604

draft 23/11/2001 0 . 9 . 3 R3-013076

WG (prime / other): R3 / - rapporteur: TAYLOR, Carolyn

G: U: yes MCC: KRAUSE, Joern

MOTOROLA Ltd

[get it](#)

remarks - general:

[get it](#)

remarks - this release:

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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)

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)

## TS 31.101 UICC-terminal interface; Physical and logical characteristics

R99 current version: 3.3.0 WG (prime / other): T3 / SCP rapporteur: VESTERGAARD, Peter NOKIA UK Ltd

freeze\_meeting: SP-06 G: U: yes MCC: DIETZE, Claus

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

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remarks - general:

Contents is a reference to ETSI TR 102 221.

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.

## TS 31.102 Characteristics of the USIM Application

R99 current version: 3.11.0 WG (prime / other): T3 / - rapporteur: HEIM, Christian GIESECKE & DEVRIENT GmbH

freeze\_meeting: SP-06 G: U: yes MCC: DIETZE, Claus

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 target	15/03/2000	3	.	1	.	0
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		3	.	11	.	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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## 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 SchlumbergerSema - Schlumberger Systèmes S.A  
*G:* U: yes *MCC:* DIETZE, Claus

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

## TS 31.111 USIM Application Toolkit (USAT)

R99 *current version:* 3.9.0 *freeze\_meeting:* SP-07  
*history (event, available, version,*  
TP-06 17/12/1999 1 . 0 . 0  
TP-07 15/03/2000 3 . 0 . 0  
TP-08 23/06/2000 3 . 1 . 0  
TP-09 18/10/2000 3 . 2 . 0  
TP-10 05/01/2001 3 . 3 . 0  
TP-11 09/04/2001 3 . 4 . 0  
TP-12 06/07/2001 3 . 5 . 0  
TP-13 12/10/2001 3 . 6 . 0  
TP-14 16/01/2002 3 . 7 . 0  
TP-16 28/06/2002 3 . 8 . 0  
TP-18 3 . 9 . 0

*WG (prime / other):* T3 / - *rapporteur:* WOODSEND, Kristian Indicate persons who left Company and wait for new  
One  
*G:* yes U: yes *MCC:* DIETZE, Claus

[get it](#) *remarks - general:* To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.  
*remarks - this release:*  
[get it](#)  
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[get it](#)

## TS 31.120 UICC-terminal interface; Physical, electrical and logical test specification

R99 *current version:* 3.0.0 *freeze\_meeting:* SP-08  
*history (event, available, version,*  
TP-09 18/10/2000 1 . 0 . 0  
TP-10 05/01/2001 3 . 0 . 0

*WG (prime / other):* T3 / - *rapporteur:* MAESER, Torsten ORGA Kartensysteme GmbH  
*G:* U: yes *MCC:* DIETZE, Claus

[get it](#) *remarks - general:* based on R99 core spec; split into 2 parts (this is 1). TSG#11:moved to ETSI-SCP  
*remarks - this release:* TP-11:moved to ETSI-SCP. TP-12: reinstated.  
[get it](#)

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

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## TS 31.121 UICC-terminal interface; USIM application test specification

R99 *current version:* 3.4.0  
*freeze\_meeting:* SP-08  
*history (event, available, version,*

TP-09	18/10/2000	1	.	0	.	0
TP-10	05/01/2001	3	.	0	.	0
TP-12	06/07/2001	3	.	1	.	0
TP-16	19/06/2002	3	.	2	.	0
TP-17	18/09/2002	3	.	3	.	0
TP-18		3	.	4	.	0

*)*

WG (prime / other): T3 / - *rapporteur:* AFCHAR, Ramin VODAFONE Group Plc  
G: U: yes *MCC:* DIETZE, Claus

[get it](#) *remarks - general:* based on R99 core spec; split into 2 parts (this is 2)  
[get it](#) *remarks - this release:*

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

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## TS 31.122 USIM conformance test specification

R99 *current version:* 3.5.0  
*freeze\_meeting:* SP-08  
*history (event, available, version,*

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		3	.	5	.	0

*)*

WG (prime / other): T3 / - *rapporteur:* KNIGHT, Simon ASPECTS Software Ltd  
G: U: yes *MCC:* DIETZE, Claus

[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

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R99

32 .- series

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

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

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<b>TS 32.005</b>	<b>Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain</b>					
R99	<i>current version:</i> 3.6.0		<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> BENDER, James		Nortel Networks (USA)
	<i>freeze_meeting:</i> SP-08		<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian		
	<i>history (event, available, version,</i>					
	SP-06 17/12/1999	3 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	SP-08 23/06/2000	3 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	correct 10/10/2000	3 . 2 . 0		<a href="#">get it</a>		
	implementation of					
	previous CR					
	SP-10 21/12/2000	3 . 3 . 0		<a href="#">get it</a>		
	edito 22/01/2001	3 . 3 . 1		<a href="#">get it</a>		
	SP-11 05/04/2001	3 . 4 . 0		<a href="#">get it</a>		
	SP-13 05/10/2001	3 . 5 . 0		<a href="#">get it</a>		
	SP-15 26/03/2002	3 . 6 . 0		<a href="#">get it</a>		
<hr/>						
<b>TS 32.015</b>	<b>Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain</b>					
R99	<i>current version:</i> 3.10.0		<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> LEHNERT, Matthias		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>					
	SP-06 17/12/1999	3 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
	SP-07 17/03/2000	3 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	
	Editorial 17/03/2000	3 . 1 . 1		<a href="#">get it</a>		
	SP-08 23/06/2000	3 . 2 . 0		<a href="#">get it</a>		
	SP-09 10/10/2000	3 . 3 . 0		<a href="#">get it</a>		
	SP-10 21/12/2000	3 . 4 . 0		<a href="#">get it</a>		
	SP-11 05/04/2001	3 . 5 . 0		<a href="#">get it</a>		
	SP-12 03/07/2001	3 . 6 . 0		<a href="#">get it</a>		
	SP-13 05/10/2001	3 . 7 . 0		<a href="#">get it</a>		
	SP-14 11/01/2002	3 . 8 . 0		<a href="#">get it</a>		
	SP-15 26/03/2002	3 . 9 . 0		<a href="#">get it</a>		
	SP-18	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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## TS 32.101 Telecommunication management; Principles and high level requirements

R99 *current version:* 3.4.0 *WG (prime / other):* S5 / - *rapporteur:* TRUSS, Michael MOTOROLA Ltd  
*freeze\_meeting:* SP-07 *G:* U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*  
SP-03 26/04/1999 1 . 0 . 0 [get it](#) *remarks - general:*  
SP-05 13/10/1999 1 . 2 . 0 [get it](#) *remarks - this release:*  
SP-06 17/12/1999 3 . 0 . 0 [get it](#)  
SP-07 17/03/2000 3 . 1 . 0 [get it](#)  
Editorial 17/03/2000 3 . 1 . 1 [get it](#)  
SP-08 23/06/2000 3 . 2 . 0 [get it](#)  
SP-10 21/12/2000 3 . 3 . 0 [get it](#)  
SP-11 05/10/2001 3 . 4 . 0 [get it](#)

## TS 32.102 Telecommunication management; Architecture

R99 *current version:* 3.2.0 *WG (prime / other):* S5 / - *rapporteur:* BERGGREN, Tommy Telia Mobile AB  
*freeze\_meeting:* SP-07 *G:* U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*  
Creation of WI by 26/04/1999 0 . 0 . 0 [get it](#) *remarks - general:*  
WG/TB *remarks - this release:*  
SP-03 26/04/1999 1 . 0 . 0 [get it](#)  
SP-05 13/10/1999 1 . 2 . 0 [get it](#)  
SP-06 17/12/1999 3 . 0 . 0 [get it](#)  
SP-07 17/03/2000 3 . 1 . 0 [get it](#)  
Editorial 17/03/2000 3 . 1 . 1 [get it](#)  
SP-08 23/06/2000 3 . 2 . 0 [get it](#)

## TS 32.104 3G Performance Management

R99 *current version:* 3.5.0 *WG (prime / other):* S5 / - *rapporteur:* NENNER, Karl-Heinz T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* SP-07 *G:* U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*  
SP-05 13/10/1999 1 . 0 . 0 [get it](#) *remarks - general:*  
SP-06 17/12/1999 3 . 0 . 0 [get it](#) *remarks - this release:*  
SP-07 17/03/2000 3 . 1 . 0 [get it](#)  
Editorial 17/03/2000 3 . 1 . 1 [get it](#)  
SP-08 23/06/2000 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](#)  
SP-14 11/01/2002 3 . 5 . 0 [get it](#)

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<b>TS 32.106-1</b>	<b>Telecommunication management; Configuration Management (CM); Part 1: Concept and requirements</b>								
R99	<i>current version:</i> 3.1.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PIRT, Trevor	MOTOROLA Ltd					
	<i>freeze_meeting:</i> SP-07	G: U: yes	<i>MCC:</i> ZOICAS, Adrian						
	<i>history (event, available, version,</i>								
	SP-05 13/10/1999	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	SP-08: split into eight parts				
	SP-06 17/12/1999	1 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	SP-08: multipart split from parent 3.0.1				
	SP-07 17/03/2000	3 . 0 . 0	<a href="#">get it</a>						
	Editorial 17/03/2000	3 . 0 . 1	<a href="#">get it</a>						
	SP-08 23/06/2000	3 . 1 . 0	<a href="#">get it</a>		split into parts				
<hr/>									
<b>TS 32.106-2</b>	<b>Telecommunication management; Configuration Management (CM); Part 2: Notification Integration Reference Point; Information Service version 1</b>								
R99	<i>current version:</i> 3.3.0	<i>WG (prime / other):</i> 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; CORBA solution set version 1:1</b>								
R99	<i>current version:</i> 3.3.0	<i>WG (prime / other):</i> 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: CMIP Solution Set Version 1:1</b>								
R99	<i>current version:</i> 3.2.1	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> ZHOU, Di	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								

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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 R99 current version: NRM) version 1</b>	3.2.0	WG (prime / other):	S5	/-	rapporteur:	TOVINGER, Thomas	Telefon AB LM Ericsson
	freeze_meeting: SP-10		G:	U: yes		MCC:	ZOICAS, Adrian	
	history (event, available, version, draft 10/10/2000 1 . 0 . 1			<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>				
<hr/>								
<b>TS 32.106-6</b>	<b>Telecommunication management; Configuration Management (CM); Part 6: Basic Configuration Management Integration Reference Point (IRP) CORBA solution set version 1:1</b>	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) CMIP solution set version 1:1</b>	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>	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 Inc.  
*freeze\_meeting:* SP-08 *G:* U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*

SP-05	13/10/1999	1	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i> TSG#8: split into 4 parts
SP-06	17/12/1999	1	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i> TSG#8: multipart split from parent 3.0.1
SP-07	17/03/2000	3	.	0	.	0	<a href="#">get it</a>	
Editorial	17/03/2000	3	.	0	.	1	<a href="#">get it</a>	
SP-08: split into	23/06/2000	3	.	1	.	0	<a href="#">get it</a>	
parts								
SP-09	10/10/2000	3	.	2	.	0	<a href="#">get it</a>	

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## TS 32.111-2 Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service

R99 *current version:* 3.3.0 *WG (prime / other):* S5 / - *rapporteur:* SCHMIDT, Joerg Motorola Inc.  
*freeze\_meeting:* SP-08 *G:* U: yes *MCC:* ZOICAS, Adrian

*history (event, available, version,*

SP-05	13/10/1999	1	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i> TSG#8: split into 4 parts
SP-06	17/12/1999	1	.	1	.	0	<a href="#">get it</a>	<i>remarks - this release:</i>
SP-07	17/03/2000	3	.	0	.	0	<a href="#">get it</a>	
Editorial	17/03/2000	3	.	0	.	1	<a href="#">get it</a>	
SP-08: split into	23/06/2000	3	.	1	.	0	<a href="#">get it</a>	
parts								
editorial	06/09/2000	3	.	1	.	1	<a href="#">get it</a>	
SP-09	10/10/2000	3	.	2	.	0	<a href="#">get it</a>	
SP-10	20/12/2000	3	.	3	.	0	<a href="#">get it</a>	

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<b>TS 32.111-3</b>	<b>Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1</b>			
R99	<i>current version:</i> 3.6.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TSE, Edwin	Ericsson Incorporated
	<i>freeze_meeting:</i> SP-08	<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian	
	<i>history (event, available, version,</i>			
	SP-05	13/10/1999	1 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i> TSG#8: split into 4 parts
	SP-06	17/12/1999	1 . 1 . 0	<a href="#">get it</a> <i>remarks - this release:</i> TSG#8: multipart split from parent 3.0.1
	SP-07	17/03/2000	3 . 0 . 0	<a href="#">get it</a>
	Editorial	17/03/2000	3 . 0 . 1	<a href="#">get it</a>
	SP-08: split into	23/06/2000	3 . 1 . 0	<a href="#">get it</a>
	parts			
	SP-09	10/10/2000	3 . 2 . 0	<a href="#">get it</a>
	SP-10	20/12/2000	3 . 3 . 0	<a href="#">get it</a>
	SP-11	05/04/2001	3 . 4 . 0	<a href="#">get it</a>
	SP-12	04/07/2001	3 . 5 . 0	<a href="#">get it</a>
	SP-14	11/01/2002	3 . 6 . 0	<a href="#">get it</a>

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<b>TS 32.111-4</b>	<b>Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set</b>			
R99	<i>current version:</i> 3.2.0	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> TOVINGER, Thomas	Telefon AB LM Ericsson
	<i>freeze_meeting:</i> SP-08	<i>G:</i> U: yes	<i>MCC:</i> ZOICAS, Adrian	
	<i>history (event, available, version,</i>			
	SP-05	13/10/1999	1 . 0 . 0	<a href="#">get it</a> <i>remarks - general:</i> TSG#8: split into 4 parts
	SP-06	17/12/1999	1 . 1 . 0	<a href="#">get it</a> <i>remarks - this release:</i> TSG#8: multipart split from parent 3.0.1
	SP-07	17/03/2000	3 . 0 . 0	<a href="#">get it</a>
	Editorial	17/03/2000	3 . 0 . 1	<a href="#">get it</a>
	SP-08: split into	23/06/2000	3 . 1 . 0	<a href="#">get it</a>
	parts			
	editorial	06/09/2000	3 . 1 . 1	<a href="#">get it</a>
	SP-14	11/01/2002	3 . 2 . 0	<a href="#">get it</a>

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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 draft	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		3	13	0

WG (prime / other): S3 / - rapporteur: BLOMMAERT, Marc SIEMENS ATEA NV  
G: U: yes MCC: POPE, Maurice

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

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

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<b>TS 33.105</b>	<b>Cryptographic Algorithm requirements</b>					
R99	<i>current version:</i> 3.8.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> CHIKAZAWA, Takeshi	Mitsubishi Electric Corporation		
	<i>freeze_meeting:</i> SP-04	<i>G:</i> U: yes	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version,</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> U: yes	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version,</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> U: yes	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version,</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	current version: 3.0.0 freeze_meeting: SP-03			WG (prime / other): S3 / - G: U: yes	rapporteur: WRIGHT, Tim MCC: POPE, Maurice		Indicate persons who left Company and wait for new One		
history (event, available, version,	Table of Contents 04/03/1999 0 . 0 . 1 and Scope First complete 26/03/1999 1 . 0 . 0 draft WG approval 26/03/1999 2 . 0 . 0 SP-03 23/04/1999 3 . 0 . 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: .				
<b>TR 33.901</b>	<b>Criteria for cryptographic Algorithm design process</b>								
R99	current version: 3.0.0 freeze_meeting: SP-04			WG (prime / other): S3 / - G: U: yes	rapporteur: BLOM, Rolf MCC: POPE, Maurice		Telefon AB LM Ericsson		
history (event, available, version,	SP-03 23/04/1999 0 . 0 . 0 SP-04 23/06/1999 3 . 0 . 0			<a href="#">get it</a> <a href="#">get it</a>	remarks - general: remarks - this release: .				
<b>TR 33.902</b>	<b>Formal Analysis of the 3G Authentication Protocol</b>								
R99	current version: 3.1.0 freeze_meeting: SP-05			WG (prime / other): S3 / - G: U: yes	rapporteur: HORN, Guenther MCC: POPE, Maurice		SIEMENS AG		
history (event, available, version,	SP-05 13/10/1999 3 . 0 . 0 SP-06 17/12/1999 3 . 1 . 0			<a href="#">get it</a> <a href="#">get it</a>	remarks - general: remarks - this release: .				
<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	current version: 3.0.0 freeze_meeting: SP-07			WG (prime / other): S3 / - G: U: yes	rapporteur: WALKER, Michael MCC: POPE, Maurice		VODAFONE Group Plc		
history (event, available, version,	SP-07 17/03/2000 3 . 0 . 0 SP-000039			<a href="#">get it</a>	remarks - general: TSG#7: S3-000105=NP-000049 remarks - this release: Formerly 33.904.				

R99

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## TS 34.108 Common test environments for User Equipment (UE) conformance testing

R99 current version: 3.10.0

freeze\_meeting: SP-08

WG (prime / other): T1 / -

rapporteur: CHALABI, Nuhman

Anite Telecoms Ltd.

G: U: yes

MCC: SALMERON, Lidia

history (event, available, version,

Start of work 0 . 0 . 1

TP-07 15/03/2000 1 . 0 . 0 TP-000032

[get it](#)

remarks - general:

remarks - this release: TSG#8:aprvl is controversial

editorial tidy up 23/03/2000 1 . 0 . 1

[get it](#)

TP-08 2 . 0 . 0

TP-08 23/06/2000 3 . 0 . 0

[get it](#)

Editorial 23/06/2000 3 . 0 . 1

[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 27/06/2001 3 . 4 . 0

[get it](#)

TP-13 08/10/2001 3 . 5 . 0

[get it](#)

TP-14 09/01/2002 3 . 6 . 0

[get it](#)

TP-15 20/03/2002 3 . 7 . 0

[get it](#)

edito post TP-15 26/03/2002 3 . 7 . 1

[get it](#)

TP-16 17/06/2002 3 . 8 . 0

[get it](#)

TP-17 10/09/2002 3 . 9 . 0

[get it](#)

TP-18 3 . 10 . 0

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

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## TS 34.109 Terminal logical test interface; Special conformance testing functions

R99 *current version:* 3.8.0 *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 3 . 8 . 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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G = required in systems with GERAN acces; U = required in systems with UMTS

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**TS 34.121 Terminal Conformance Specification, Radio Transmission and Reception (FDD)**

R99 *current version:* 3.11.0 *WG (prime / other):* T1 / - *rapporteur:* HIGUCHI, Kenji ADVANTEST Corporation  
*freeze\_meeting:* SP-07 *G:* U: yes *MCC:* SALMERON, Lidia

*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		3	.	11	.	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 34.122 Terminal Conformance Specification, Radio Transmission and Reception (TDD)

R99	<i>current version:</i> 3.10.0	WG (prime / other):	T1 / -	<i>rapporteur:</i>	MAUCKSCH, Thomas	ROHDE & SCHWARZ GrbH & Co.KG
	<i>freeze_meeting:</i> SP-08	G:	U: yes	<i>MCC:</i>	SALMERON, Lidia	
<i>history (event, available, version,</i>						
TP-04	18/06/1999	0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
TP-05	08/10/1999	0 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
TP-06	17/12/1999	1 . 0 . 0	<a href="#">get it</a>			
TP-07	15/03/2000	1 . 2 . 0	<a href="#">get it</a>			
Editorial	15/03/2000	1 . 2 . 1	<a href="#">get it</a>			
TP-08		2 . 0 . 0				
TP-08	23/06/2000	3 . 0 . 0	<a href="#">get it</a>			
edito	28/08/2000	3 . 0 . 1	<a href="#">get it</a>			
TP-09	05/10/2000	3 . 1 . 0	<a href="#">get it</a>			
TP-10	21/12/2000	3 . 2 . 0	<a href="#">get it</a>			
TP-11	28/03/2001	3 . 3 . 0	<a href="#">get it</a>			
TP-12	18/06/2001	3 . 4 . 0	<a href="#">get it</a>			
TP-13	03/10/2001	3 . 5 . 0	<a href="#">get it</a>			
TP-14	09/01/2002	3 . 6 . 0	<a href="#">get it</a>			
TP-15	21/03/2002	3 . 7 . 0	<a href="#">get it</a>			
TP-16	17/06/2002	3 . 8 . 0	<a href="#">get it</a>			
TP-17	05/09/2002	3 . 9 . 0	<a href="#">get it</a>			
TP-18		3 . 10 . 0				

## TS 34.123-1 User Equipment (UE) conformance specification; Part 1: Protocol conformance specification

R99	<i>current version:</i> 3.5.0	WG (prime / other):	T1 / -	<i>rapporteur:</i>	SALMERON, Lidia	TELEPLUS LIMITED
	<i>freeze_meeting:</i> SP-08	G:	U: yes	<i>MCC:</i>	SALMERON, Lidia	
<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	0 . 0 . 4	<a href="#">get it</a>	<i>remarks - this release:</i>		
TP-06	17/12/1999	1 . 0 . 0	<a href="#">get it</a>			
manicure	23/03/2000	1 . 0 . 1	<a href="#">get it</a>			
TP-08		2 . 0 . 0				
TP-08	23/06/2000	3 . 0 . 0	<a href="#">get it</a>			
TP-09	10/10/2000	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	28/06/2001	3 . 4 . 0	<a href="#">get it</a>			
TP-13	03/10/2001	3 . 5 . 0	<a href="#">get it</a>			

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

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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: SALMERON, Lidia				
history (event, available, version,									
TP-03	23/04/1999	0	.	0	.	1	<a href="#">get it</a>	remarks - general:	
TP-05	08/10/1999	0	.	0	.	6	<a href="#">get it</a>	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	<a href="#">get it</a>		
TP-07	15/03/2000	1	.	0	.	1	<a href="#">get it</a>		
TP-09	22/09/2000	2	.	0	.	0	<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	28/06/2001	3	.	4	.	0	<a href="#">get it</a>		
TP-13	04/10/2001	3	.	5	.	0	<a href="#">get it</a>		
TS 34.123-3 User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATs)									
R99	current version: 3.0.0		WG (prime / other): T1 / -		rapporteur: HU, Shicheng		ETSI Secretariat		
	freeze_meeting: SP-13		G: U: yes		MCC: SALMERON, Lidia				
history (event, available, version,									
TP-03	23/04/1999	0	.	0	.	0	<a href="#">get it</a>	remarks - general:	
Start work if STF		0	.	0	.	1		remarks - this release:	
fund +T2 input avail.									
TP-11	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		2	.	0	.	0		text = TP-020301 (see also TP-020302), ttcn = TP-020320 which will be available by 2002-12-20.	
TP-18		3	.	0	.	0		Availability delayed pending availability of .mp file.	

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**TS 34.124 Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment**

R99 *current version:* 3.3.0 *WG (prime / other):* R4 / - *rapporteur:* SOERENSEN, Ole NOKIA Corporation  
*freeze\_meeting:* SP-07 *G:* U: yes *MCC:* GUTIERREZ MIGUELEZ, Cesar

*history (event, available, version,*

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>		

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**TR 34.901 Test Time Optimisation based on statistical approaches; Statistical theory applied and evaluation of statistical significance**

R99 *current version:* none *WG (prime / other):* T1 / *rapporteur:* YOKOYAMA, Mitsuru Agilent Technologies Japan, Ltd  
*freeze\_meeting:* *G:* U: yes *MCC:* SALMERON, Lidia

*history (event, available, version,*

*remarks - general:* 2002-09-16: 34.801 -> 34.901.  
*remarks - this release:* 2002-09-26: Anticipate approval at TP-18.

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**TR 34.907 Report on electrical safety requirements and regulations**

R99 *current version:* 3.0.0 *WG (prime / other):* T2 / - *rapporteur:* IIMORI, Eiji Toshiba Corporation, Digital Media Network  
*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>	<i>remarks - general:</i>	
TP-05	08/10/1999	3	.	0	.	0	<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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<b>TR 34.925</b>	<b>Specific Absorption Rate (SAR) requirements and regulations in different regions</b>										
R99	<i>current version:</i> 3.0.0			<i>WG (prime / other):</i> T2 / -		<i>rapporteur:</i> JOHNSSON, Sven		Telefon AB LM Ericsson			
	<i>freeze_meeting:</i> SP-04			G: U: yes		<i>MCC:</i> RODERMUND, Friedhelm					
	<i>history (event, available, version,</i>										
	TP-03	23/04/1999	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>	.

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R99 35 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/35\\_series](http://www.3gpp.org/ftp/Specs/archive/35_series)

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<b>TS 35.201</b>	<b>Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications</b>										
R99	<i>current version:</i> 3.2.0			<i>WG (prime / other):</i> S3 / -		<i>rapporteur:</i> WALKER, Michael		VODAFONE Group Plc			
	<i>freeze_meeting:</i> SP-07			G: 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>		
	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			G: 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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**TS 35.203 Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data**  
R99 *current version:* 3.1.2 *WG (prime / other):* S3 / - *rapporteur:* WALKER, Michael VODAFONE Group Plc  
*freeze\_meeting:* SP-07 *G:* U: yes *MCC:* POPE, Maurice

*history (event, available, version, SP-07 17/03/2000 3 . 1 . 0* SAGE only supplied PDF, so no real deliverable yet available [get it](#) *remarks - general:* ex SAGE; supplied by ETSI under licence  
*remarks - this release:*

Formatting 16/07/2001 3 . 1 . 1 Sage makes source file available. [get it](#)  
IPR, licence text 20/08/2001 3 . 1 . 2 [get it](#)

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**TS 35.204 Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data**  
R99 *current version:* 3.1.2 *WG (prime / other):* S3 / - *rapporteur:* WALKER, Michael VODAFONE Group Plc  
*freeze\_meeting:* SP-07 *G:* U: yes *MCC:* POPE, Maurice

*history (event, available, version, SP-07 17/03/2000 3 . 1 . 0* SAGE only supplied PDF, so no real deliverable yet available [get it](#) *remarks - general:* ex SAGE; supplied by ETSI under licence  
*remarks - this release:*

Formatting 12/07/2001 3 . 1 . 1 Sage makes source file available. [get it](#)  
IPR, licence text 20/08/2001 3 . 1 . 2 [get it](#)

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## 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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**TR 01.04 Abbreviations and acronyms**  
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* [get it](#) *remarks - general:*  
*remarks - this release:*

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<b>TR 01.31</b>	<b>Fraud Information Gathering System (FIGS); Service requirements; Stage 0</b>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WRIGHT, Tim		Indicate persons who left Company and wait for new One	
	<i>freeze_meeting:</i> smg-29	<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 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>						
<b>TR 01.33</b>	<b>Lawful Interception requirements for GSM</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> MCKIBBEN, Bernie		MOTOROLA GmbH	
	<i>freeze_meeting:</i> smg-29	<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>			
			<i>remarks - this release:</i> #25: 7.0.0 (renumbered from 10.20)			
<hr/>						
<b>TS 01.56</b>	<b>GSM Cordless Telephony System (CTS) (Phase 1); CTS Authentication and Key Generation Algorithms Requirements</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> MESSIET, Samira		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>					
	smg-28 1 . 0 . 0		<i>remarks - general:</i>			
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>						
<b>TS 01.61</b>	<b>General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WALKER, Michael		VODAFONE Group Plc	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version,</i>					
	upgrade to R98 04/10/2001 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			

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R98

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>								
R98	<i>current version:</i> 7.1.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> KOKKOLA, Tommi	NOKIA Corporation					
	<i>freeze_meeting:</i> smg-29	G: yes U:	<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>					
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<b>TS 02.02</b>	<b>Bearer Services (BS) Supported by a GSM Public Land Mobile Network (PLMN)</b>								
R98	<i>current version:</i> 7.0.2	<i>WG (prime / other):</i> 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>								
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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					
	ETSI publication 13/12/1999 7 . 0 . 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>								
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> 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>								
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				<i>remarks - this release:</i>					
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<b>TS 02.04</b>	<b>General on Supplementary Services</b>								
R98	<i>current version:</i> 7.1.2	<i>WG (prime / other):</i> 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>								
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	smg-28 12/02/1999 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>						
	ETSI publication 28/12/1999 7 . 1 . 2		<a href="#">get it</a>						
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<b>TS 02.06</b>	<b>Types of Mobile Stations (MS)</b>								
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> JEAL, David	VODAFONE Group Plc					
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version,</i>								
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	ETSI publication 29/12/1999 7 . 0 . 1		<a href="#">get it</a>	<i>remarks - this release:</i>					

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<b>TS 02.07</b>	<b>Mobile Station (MS) Features</b>					
R98	<i>current version: 7.1.0</i>					
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	smg-27 16/10/1998	7	.	0	.	0
	ETSI publication 03/08/1999	7	.	0	.	1
	SP-07 15/03/2000	7	.	1	.	0
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				<a href="#">get it</a>	remarks - this release:	
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<b>TS 02.09</b>	<b>Security aspects</b>					
R98	<i>current version: 7.1.1</i>					
	<i>freeze_meeting: smg-29</i>					
	<i>history (event, available, version,</i>					
	smg-29 25/06/1999	7	.	0	.	0
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	smg-31 16/02/2000	7	.	1	.	0
	ETSI publication 29/08/2000	7	.	1	.	1
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				<a href="#">get it</a>	remarks - this release:	
				<a href="#">get it</a>		
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<b>TS 02.11</b>	<b>Service Accessibility</b>					
R98	<i>current version: 7.1.0</i>					
	<i>freeze_meeting: smg-29</i>					
	<i>history (event, available, version,</i>					
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	ETSI publication 03/08/1999	7	.	0	.	1
	SP-11 02/04/2001	7	.	1	.	0
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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>					
	<i>freeze_meeting: smg-29</i>					
	<i>history (event, available, version,</i>					
	smg-29 25/06/1999	7	.	0	.	0
	smg-30 11/11/1999	7	.	1	.	0
	SP-08 23/06/2000	7	.	2	.	0
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				<a href="#">get it</a>	remarks - this release:	
				<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:</i> 7.1.1	<i>WG (prime / other):</i> T3 / S1	<i>rapporteur:</i> HOOKER, Philip	ORANGE PCS LTD		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> 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>			
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	smg-29 25/06/1999 7 . 1 . 1	<a href="#">get it</a>				
<b>TS 02.19</b>	<b>Subscriber Identity Module Application Programming Interface (SIM API); Stage 1</b>					
R98	<i>current version:</i> 7.1.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> DIETRICH, Christian	SchlumbergerSema - Schlumberger Systèmes S.A		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> DIETZE, Claus			
	<i>history (event, available, version,</i>					
	smg-27 16/10/1998 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> SMG9->T3@#31			
	smg-29 25/06/1999 7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
<b>TS 02.22</b>	<b>Stage 1 for personalisation of GSM ME</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> DURAND, Romain	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>					
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			
<b>TS 02.24</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>					
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	ETSI publication 12/01/2000 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
<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>				

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<b>TS 02.31</b>	<b>Fraud Information Gathering System (FIGS); Service description; Stage 1</b>				
R98	<i>current version:</i> 7.1.1 <i>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>	<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice		
	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>			
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<b>TS 02.32</b>	<b>Immediate Service Termination (IST); Service description; Stage 1</b>				
R98	<i>current version:</i> 7.1.1 <i>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>	<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice		
	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>freeze_meeting:</i> smg-29	<i>WG (prime / other):</i> S3 /	<i>rapporteur:</i> MCKIBBEN, Bernie		MOTOROLA GmbH
	<i>history (event, available, version,</i>	<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice		
	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>			
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<b>TS 02.34</b>	<b>High Speed Circuit Switched Data (HSCSD); Stage 1</b>				
R98	<i>current version:</i> 7.0.0 <i>freeze_meeting:</i> smg-29	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> KOKKOLA, Tommi		NOKIA Corporation
	<i>history (event, available, version,</i>	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	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 02.40</b>	<b>Procedures for Call Progress Indications</b>					
R98	current version: 7.0.1	WG (prime / other):	S1 / NP	rapporteur:	DWYER, Paul	NORTEL NETWORKS (EUROPE)
	freeze_meeting: smg-29	G: yes U:		MCC:	CLAYTON, Michael	
	history (event, available, version,					
	smg-27 16/10/1998 7 . 0 . 0			<a href="#">get it</a>	remarks - general:	
	edito 28/07/1999 7 . 0 . 1			<a href="#">get it</a>	remarks - this release:	
<b>TS 02.41</b>	<b>Operator Determined Barring</b>					
R98	current version: 7.0.0	WG (prime / other):	S1 /	rapporteur:	...,	BUNDESMINISTERIUM FUR WIRTSCHAFT
	freeze_meeting: smg-29	G: yes U:		MCC:	CLAYTON, Michael	
	history (event, available, version,					
	smg-29 25/06/1999 7 . 0 . 0			<a href="#">get it</a>	remarks - general:	
					remarks - this release:	
<b>TS 02.42</b>	<b>Network Identity and Timezone (NITZ); Service Description, Stage 1</b>					
R98	current version: 7.0.0	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 7 . 0 . 0			<a href="#">get it</a>	remarks - general:	
					remarks - this release:	
<b>TS 02.43</b>	<b>Support of Localised Service Area (SoLSA); Service description; Stage 1</b>					
R98	current version: 7.3.0	WG (prime / other):	S1 /	rapporteur:	KOKKOLA, Tommi	NOKIA Corporation
	freeze_meeting: smg-29	G: yes U:		MCC:	CLAYTON, Michael	
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	smg-28 7 . 1 . 0				remarks - this release:	
	SP-05 7 . 2 . 0					
	SP-08 07/09/2000 7 . 3 . 0			<a href="#">get it</a>		
<b>TS 02.48</b>	<b>Security mechanisms for the SIM Application Toolkit; Stage 1</b>					
R98	current version: 7.0.0	WG (prime / other):	T3 / S3	rapporteur:	BARNES, Nigel	MOTOROLA Ltd
	freeze_meeting: smg-29	G: yes U:		MCC:	DIETZE, Claus	
	history (event, available, version,					
	smg-29 25/06/1999 7 . 0 . 0			<a href="#">get it</a>	remarks - general: SMG9->T3@#31	
					remarks - this release:	

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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	<a href="#">get it</a>	<i>remarks - general:</i> SMG11->S4 at SMG#30		
	ETSI publication 16/08/1999 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>		
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<b>TS 02.56</b>	<b>GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1</b>				
R98	<i>current version:</i> 7.2.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> GALLIGO, Michel	ALCATEL S.A.	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
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	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: 7.2.0		
	ETSI PE 26/05/1999 7 . 1 . 1	<a href="#">get it</a>			
	smg-29 25/06/1999 7 . 2 . 0	<a href="#">get it</a>			
	ETSI publication 05/09/2000 7 . 2 . 1	<a href="#">get it</a>			
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<b>TS 02.57</b>	<b>Mobile Station Application Execution Environment (MExE) Service description Stage 1</b>				
R98	<i>current version:</i> 7.1.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
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	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		
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<b>TS 02.60</b>	<b>General Packet Radio Service Stage 1 Description</b>				
R98	<i>current version:</i> 7.5.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CARPENTER, Paul	Research In Motion Limited	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</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		
	smg-29 25/06/1999 7 . 2 . 0	<a href="#">get it</a>	CR not approved. TSG#7: 7.4.0 TSG#8:7.5.0		
	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>			

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<b>TS 02.63</b>	<b>Packet Data on Signalling channels Service (PDS); Stage 1</b>								
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CONRAD, Alan	T-MOBILE DEUTSCHLAND					
	<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 02.66</b>	<b>Support of Mobile Number Portability (MNP); Service description; Stage 1</b>								
R98	<i>current version:</i> 7.1.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> VACANT,						
	<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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	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	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> GILES, Les	Union Internationale des Chemins de Fer					
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	ETSI publication 12/01/2000 7 . 0 . 1					<a href="#">get it</a>	<i>remarks - this release:</i>		
<b>TS 02.68</b>	<b>Voice Group Call Service (VGCS); Stage 1</b>								
R98	<i>current version:</i> 7.0.2	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> 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>								
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	edito 25/06/1999 7 . 0 . 1					<a href="#">get it</a>	<i>remarks - this release:</i>		
	publish EN 300 24/08/2000 7 . 0 . 2					<a href="#">get it</a>			
<b>TS 02.69</b>	<b>Voice Broadcast Service (VBS); Stage 1</b>								
R98	<i>current version:</i> 7.0.2	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> 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-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:</i> #28: 7.0.0		
	ETSI publication 29/12/1999 7 . 0 . 2					<a href="#">get it</a>			

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<b>TS 02.72</b>	<b>Call Deflection Service description, Stage 1</b>				
R98	<i>current version: 7.2.1</i>	<i>WG (prime / other): S1 / -</i>	<i>rapporteur: HABERMANN, Steffen</i>	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting: smg-29</i>	<i>G: yes U:</i>	<i>MCC: CLAYTON, Michael</i>		
	<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: #25: 7.0.0 (5.0.0 withdrawn) #27: 7.1.0 #28: 7.2.0</i>		
	smg-28 12/02/1999 7 . 2 . 0	<a href="#">get it</a>			
	smg-29 25/06/1999 7 . 2 . 1	<a href="#">get it</a>			
<b>TS 02.78</b>	<b>Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)</b>				
R98	<i>current version: 7.2.0</i>	<i>WG (prime / other): S1 / -</i>	<i>rapporteur: GRECH, Michel</i>	Lucent Technologies Network Systems UK	
	<i>freeze_meeting: smg-29</i>	<i>G: yes U:</i>	<i>MCC: CLAYTON, Michael</i>		
	<i>history (event, available, version,</i>				
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	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>			
<b>TS 02.79</b>	<b>Support of Optimal Routeing (SOR); Service definition (Stage 1)</b>				
R98	<i>current version: 7.0.0</i>	<i>WG (prime / other): S1 / -</i>	<i>rapporteur: FREY, Sophie</i>	Indicate persons who left Company and wait for new One	
	<i>freeze_meeting: smg-29</i>	<i>G: yes U:</i>	<i>MCC: CLAYTON, Michael</i>		
	<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>		
<b>TS 02.81</b>	<b>Line Identification Supplementary Services; Stage 1</b>				
R98	<i>current version: 7.0.0</i>	<i>WG (prime / other): S1 / -</i>	<i>rapporteur: BLOMSTRAND, Ola</i>	TELIA AB	
	<i>freeze_meeting: smg-29</i>	<i>G: yes U:</i>	<i>MCC: CLAYTON, Michael</i>		
	<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>		
<b>TS 02.82</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 1</b>				
R98	<i>current version: 7.0.1</i>	<i>WG (prime / other): S1 / -</i>	<i>rapporteur: EVEN, Anne</i>	France Telecom	
	<i>freeze_meeting: smg-29</i>	<i>G: yes U:</i>	<i>MCC: CLAYTON, Michael</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 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #28: 7.0.0</i>		

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<b>TS 02.83</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1</b>					
R98	current version: 7.0.0	WG (prime / other):	S1 / -	rapporteur:	JORGENSEN, Niels H.	TDC TELE DANMARK A/S
	freeze_meeting: smg-29	G: yes U:		MCC:	CLAYTON, Michael	
	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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<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	SIEMENS AG
	freeze_meeting: smg-29	G: yes U:		MCC:	CLAYTON, Michael	
	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 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	TELIA AB
	freeze_meeting: smg-29	G: yes U:		MCC:	CLAYTON, Michael	
	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 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	VODAFONE Group Plc
	freeze_meeting: smg-29	G: yes U:		MCC:	CLAYTON, Michael	
	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 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	T-MOBILE DEUTSCHLAND
	freeze_meeting: smg-29	G: yes U:		MCC:	CLAYTON, Michael	
	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 16/12/1999 7 . 1 . 2					
		<a href="#">get it</a>		remarks - general:		
		<a href="#">get it</a>		remarks - this release: #25: 7.0.0 (5.x.y withdrawn) #28: 7.1.0 #29: 7.1.1		
		<a href="#">get it</a>				
		<a href="#">get it</a>				

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<b>TS 02.88</b>	<b>Call Barring (CB) Supplementary Services; Stage 1</b>					
R98	<i>current version: 7.0.0</i>	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	CONRAD, Alan	T-MOBILE DEUTSCHLAND
	<i>freeze_meeting: smg-29</i>	<i>G: yes U:</i>		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version,</i>					
	<i>smg-29 25/06/1999 7 . 0 . 0</i>			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release: #29: 7.0.0</i>	
<hr/>						
<b>TS 02.90</b>	<b>Unstructured Supplementary Service Data (USSD); Stage 1</b>					
R98	<i>current version: 7.0.0</i>	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	SLOTTE, Sverre	NOKIA Corporation
	<i>freeze_meeting: smg-29</i>	<i>G: yes U:</i>		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version,</i>					
	<i>smg-29 25/06/1999 7 . 0 . 0</i>			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release: #29: 7.0.0</i>	
<hr/>						
<b>TS 02.91</b>	<b>Explicit Call Transfer (ECT)</b>					
R98	<i>current version: 7.0.0</i>	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	POSTMANN, Erwin	SIEMENS AG
	<i>freeze_meeting: smg-29</i>	<i>G: yes U:</i>		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version,</i>					
	<i>smg-29 25/06/1999 7 . 0 . 0</i>			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release: #29: 7.0.0</i>	
<hr/>						
<b>TS 02.93</b>	<b>Completion of Calls to Busy Subscriber (CCBS) Service Description; Stage 1</b>					
R98	<i>current version: 7.0.0</i>	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	CLAYTON, Michael	EMCOM Ltd
	<i>freeze_meeting: smg-29</i>	<i>G: yes U:</i>		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version,</i>					
	<i>smg-29 25/06/1999 7 . 0 . 0</i>			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release: #29: 7.0.0</i>	
<hr/>						
<b>TS 02.95</b>	<b>Support of Private Numbering Plan (SPNP); Service description; Stage 1</b>					
R98	<i>current version: 7.0.0</i>	<i>WG (prime / other):</i>	S1 / -	<i>rapporteur:</i>	CLAYTON, Michael	EMCOM Ltd
	<i>freeze_meeting: smg-29</i>	<i>G: yes U:</i>		<i>MCC:</i>	CLAYTON, Michael	
	<i>history (event, available, version,</i>					
	<i>smg-29 25/06/1999 7 . 0 . 0</i>			<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release: #29: 7.0.0</i>	

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**TS 02.96 Name Identification Supplementary Services; Stage 1**

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):* S1 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*G: yes U:* *MCC:* CLAYTON, Michael

[get it](#) *remarks - general:*  
*remarks - this release:* #29: 7.0.0

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**TS 02.97 Multiple Subscriber Profile (MSP) Service description, Stage 1**

R98 *current version:* 7.1.0  
*freeze\_meeting:* smg-29  
*history (event, available, version,*  
smg-25 20/03/1998 7 . 0 . 0  
smg-29 25/06/1999 7 . 1 . 0

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

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #25: 7.0.0 (5.x.y withdrawn) #29: 7.1.0

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R98

03 .- series

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**TS 03.01 Network Functions**

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):* S2 / NP *rapporteur:* GAASVIK, Per-Ola COMVIQ GSM AB  
*G: yes U:* *MCC:* SULTAN, Alain

[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  
*freeze\_meeting:* smg-29  
*history (event, available, version,*  
smg-29 25/06/1999 7 . 0 . 0  
SP-06 17/12/1999 7 . 1 . 0

*WG (prime / other):* S2 / NP / T2 *rapporteur:* SULTAN, Alain SOURCE COM  
*G: yes U:* *MCC:* SULTAN, Alain

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #29: 7.0.0 S#6: 7.1.0

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<b>TS 03.03</b>	<b>Numbering, Addressing and Identification</b>					
R98	<i>current version: 7.7.0</i>		<i>WG (prime / other):</i> N4 / T2	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE Group Plc	
	<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>	
	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>		
	edito 11/02/2000 7 . 3 . 1			<a href="#">get it</a>		
	NP-07 15/03/1999 7 . 4 . 0			<a href="#">get it</a>		
	NP-08 17/03/2000 7 . 5 . 0			<a href="#">get it</a>		
	NP-12 27/06/2001 7 . 6 . 0			<a href="#">get it</a>		
	NP-16 26/06/2002 7 . 7 . 0	SA did not approve companion CRs to 02.16.		<a href="#">get it</a>		
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<b>TR 03.05</b>	<b>Technical performance objectives</b>					
R98	<i>current version: 7.0.0</i>		<i>WG (prime / other):</i> NP / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat	
	<i>freeze_meeting: smg-29</i>		<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: #29: 7.0.0</i>	
<hr/>						
<b>TS 03.07</b>	<b>Restoration Procedures</b>					
R98	<i>current version: 7.1.0</i>		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David	VODAFONE LTD	
	<i>freeze_meeting: smg-29</i>			Chalmers		
			<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</i>					
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	NP-06 15/12/1999 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	

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<b>TS 03.08</b>	<b>Organization of Subscriber Data</b>					
R98	<i>current version: 7.4.0</i>		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> BAUER, Rolf		ALCATEL SEL AG
	<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>	
	smg-29 25/06/1999 7 . 1 . 0				<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>		
<b>TS 03.09</b>	<b>Handover Procedures</b>					
R98	<i>current version: 7.0.0</i>		<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> FARHOUMAND,		Ericsson Incorporated
	<i>freeze_meeting: smg-29</i>		<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: #29: 7.0.0</i>
<b>TS 03.10</b>	<b>GSM Public Land Mobile Network (PLMN) Connection Types</b>					
R98	<i>current version: 7.0.1</i>		<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David		ETSI Secretariat
	<i>freeze_meeting: smg-29</i>		<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>
<b>TS 03.11</b>	<b>Technical Realization of Supplementary Services - General Aspects</b>					
R98	<i>current version: 7.0.1</i>		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> HABERMANN, Steffen		T-MOBILE DEUTSCHLAND
	<i>freeze_meeting: smg-29</i>		<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>
<b>TS 03.12</b>	<b>Location Registration Procedures</b>					
R98	<i>current version: 7.0.0</i>		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo		SONERA Corporation
	<i>freeze_meeting: smg-29</i>		<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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<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 Lab 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>		
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<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	<a href="#">get it</a>	<i>remarks - general:</i>		
	edito 10/08/1999 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #28: 7.0.0</i>		
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<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>	Chalmers		
	<i>history (event, available, version,</i>		<i>MCC:</i> KYMALAINEN, Kimmo		
	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 03.16</b>	<b>Subscriber Data Management</b>				
R98	<i>current version:</i> 7.6.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	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-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-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-11 02/04/2001 7 . 5 . 0	<a href="#">get it</a>			
	NP-17 17/09/2002 7 . 6 . 0	<a href="#">get it</a>			

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<b>TS 03.18</b>	<b>Basic Call Handling</b>								
R98	current version: 7.4.0			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-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:
	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-09 31/10/2000	7	.	4	.	0		<a href="#">get it</a>	

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<b>TS 03.19</b>	<b>GSM API for SIM toolkit stage 2</b>								
R98	current version: 7.5.0			WG (prime / other): T3 / -	rapporteur: DIETRICH, Christian		SchlumbergerSema - Schlumberger Systèmes S.A		
	freeze_meeting: smg-29			G: yes U:	MCC: DIETZE, Claus				
	history (event, available, version,								
	smg-28 12/02/1999	1	.	0	.	0		<a href="#">get it</a>	remarks - general: SMG9->T3@#31
	smg-29 25/06/1999	7	.	0	.	0		<a href="#">get it</a>	remarks - this release:
	smg-31 16/02/2000	7	.	1	.	0		<a href="#">get it</a>	
	TP-08 23/06/2000	7	.	2	.	0		<a href="#">get it</a>	
	TP-08 28/09/2000	7	.	3	.	0		<a href="#">get it</a>	
	TP-10 07/03/2001	7	.	4	.	0		<a href="#">get it</a>	
	TP-11 27/07/2001	7	.	5	.	0		<a href="#">get it</a>	

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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				
	history (event, available, version,			G: yes U:	MCC: POPE, Maurice				
	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 approved

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<b>TS 03.22</b>	<b>Functions related to Mobile Station (MS) in idle mode and group receive mode</b>					
R98	<i>current version: 7.4.0</i>	<i>WG (prime / other):</i>	G1 / N1	<i>rapporteur:</i>	ANDERSEN, Niels	MOTOROLA A/S
	<i>freeze_meeting: smg-29</i>				Peter Skov	
		<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>	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>		<i>remarks - this release:</i>	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>				

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<b>TR 03.26</b>	<b>Multiband operation of GSM/DCS 1800 by a single operator</b>					
R98	<i>current version: 7.0.0</i>	<i>WG (prime / other):</i>	G1 / NP	<i>rapporteur:</i>	ANDERSEN, Niels	MOTOROLA A/S
	<i>freeze_meeting: smg-29</i>				Peter Skov	
		<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:</i>		

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<b>TR 03.30</b>	<b>Radio Network Planning Aspects</b>					
R98	<i>current version: 7.1.0</i>	<i>WG (prime / other):</i>	GP / -	<i>rapporteur:</i>	TEGTH, Ulf	TELIA AB
	<i>freeze_meeting: smg-29</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>		
	smg-31 16/02/2000 7 . 1 . 0	<a href="#">get it</a>		<i>remarks - this release:</i>	#29: 7.0.0 #31:7.1.0	

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<b>TS 03.31</b>	<b>Fraud Information Gathering System (FIGS); Service description; Stage 2</b>					
R98	<i>current version: 7.0.0</i>	<i>WG (prime / other):</i>	S3 / -	<i>rapporteur:</i>	WRIGHT, Tim	Indicate persons who left Company and wait for new One
	<i>freeze_meeting: smg-29</i>					
		<i>G: yes U:</i>		<i>MCC:</i>	POPE, Maurice	
	<i>history (event, available, version,</i>					
	smg-26 26/06/1998 7 . 0 . 0	<a href="#">get it</a>		<i>remarks - general:</i>	2001-09-03: S3 secretary reports that this spec is not mature enough for official	
				<i>remarks - this release:</i>	publication. Work continues in 43.031. SP-18: in fact, in 23.031.	

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<b>TS 03.32</b>	<b>Universal Geographical Area Description (GAD)</b>					
R98	current version: 7.2.0	WG (prime / other):	S2 / -	rapporteur:	SULTAN, Alain	SOURCE COM
	freeze_meeting: smg-29	G: yes	U:	MCC:	SULTAN, Alain	
	history (event, available, version,					
	smg-29 25/06/1999	7	. 0 . 0	<a href="#">get it</a>	remarks - general:	
	SP-08 23/06/2000	7	. 1 . 0	<a href="#">get it</a>	remarks - this release: #29: 7.0.0 TSG#8:7.1.0	
	SP-18	7	. 2 . 0			
<b>TS 03.33</b>	<b>Lawful Interception; Stage 2</b>					
R98	current version: 7.2.0	WG (prime / other):	S3 / -	rapporteur:	MCKIBBEN, Bernie	MOTOROLA GmbH
	freeze_meeting: smg-29	G: yes	U:	MCC:	POPE, Maurice	
	history (event, available, version,					
	smg-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: #27: for info #28: 7.0.0 #29: 7.1.0 TSG#10:7.2.0	
	SP-10 21/12/2000	7	. 2 . 0	<a href="#">get it</a>		
<b>TS 03.34</b>	<b>High Speed Circuit Switched Data (HSCSD); Stage 2</b>					
R98	current version: 7.0.0	WG (prime / other):	N1 / -	rapporteur:	KOKKOLA, Tommi	NOKIA 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:	
					remarks - this release: #29: 7.0.0	
<b>TS 03.35</b>	<b>Immediate Service Termination (IST); Stage 2</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-27 16/10/1998	7	. 0 . 0	<a href="#">get it</a>	remarks - general:	
	ETSI publication 30/10/2001	7	. 0 . 1	<a href="#">get it</a>	remarks - this release:	
<b>TS 03.38</b>	<b>Alphabets and language-specific information</b>					
R98	current version: 7.2.0	WG (prime / other):	T2 / -	rapporteur:	HARRIS, Ian	Teleca Limited
	freeze_meeting: smg-29	G: yes	U:	MCC:	RODERMUND, Friedhelm	
	history (event, available, version,					
	smg-26 26/06/1998	7	. 0 . 0	<a href="#">get it</a>	remarks - general:	
	smg-28 12/02/1999	7	. 1 . 0	<a href="#">get it</a>	remarks - this release: #26: 7.0.0 #28: 7.1.0 #29: 7.2.0	
	smg-29 25/06/1999	7	. 2 . 0	<a href="#">get it</a>		

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<b>TS 03.40</b>	<b>Technical Realization of the Short Message Service (SMS) Point-to-poin (PP)</b>								
R98	<i>current version:</i> 7.5.0	WG (prime / other):	T2 / -	<i>rapporteur:</i>	HARRIS, Ian	Teleca Limited			
	<i>freeze_meeting:</i> smg-29	G: yes U:		<i>MCC:</i>	RODERMUND, Friedhelm				
	<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-29 25/06/1999	7 . 2 . 0		<a href="#">get it</a>					
	TP-05 08/10/1999	7 . 3 . 0		<a href="#">get it</a>					
	TP-06 15/12/1999	7 . 4 . 0		<a href="#">get it</a>					
	TP-14 11/01/2002	7 . 5 . 0		<a href="#">get it</a>					
<hr/>									
<b>TS 03.41</b>	<b>Technical Realization of Short Message Service Cell Broadcast (SMSCB)</b>								
R98	<i>current version:</i> 7.4.0	WG (prime / other):	T2 / -	<i>rapporteur:</i>	HARRIS, Ian	Teleca Limited			
	<i>freeze_meeting:</i> smg-29	G: yes U:		<i>MCC:</i>	RODERMUND, Friedhelm				
	<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>				
	TP-06 15/12/1999	7 . 2 . 0		<a href="#">get it</a>					
	TP-07 15/03/2000	7 . 3 . 0		<a href="#">get it</a>					
	TP-09 19/10/2000	7 . 4 . 0		<a href="#">get it</a>					
<hr/>									
<b>TS 03.42</b>	<b>SMS Compression</b>								
R98	<i>current version:</i> 7.1.1	WG (prime / other):	T2 / -	<i>rapporteur:</i>	HARRIS, Ian	Teleca Limited			
	<i>freeze_meeting:</i> smg-29	G: yes U:		<i>MCC:</i>	RODERMUND, Friedhelm				
	<i>history (event, available, version,</i>								
	smg-26 26/06/1998	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> #26: 7.0.0 #28: 7.1.0				
	smg-29 25/06/1999	7 . 1 . 1		<a href="#">get it</a>					
<hr/>									
<b>TR 03.43</b>	<b>Support of Videotex</b>								
R98	<i>current version:</i> 7.0.0	WG (prime / other):	T2 / -	<i>rapporteur:</i>	DI TRIA, Paolo	Telecom Italia Lab S.p.A.			
	<i>freeze_meeting:</i> SP-08	G: yes U:		<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				

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<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,	Vodafone D2 GmbH					
	<i>freeze_meeting:</i> SP-08	G: yes U:	MCC:	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	G: yes U:	MCC:	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	G: yes U:	MCC:	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,	Vodafone D2 GmbH					
	<i>freeze_meeting:</i> SP-08	G: yes U:	MCC:	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 03.48</b>	<b>Security mechanisms for SIM application toolkit; Stage 2</b>								
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> BARNES, Nigel	MOTOROLA Ltd					
	<i>freeze_meeting:</i> smg-29	G: yes U:	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> SMG9->T3@#31		
	smg-29 25/06/1999 7 . 0 . 1					<a href="#">get it</a>	<i>remarks - this release:</i>		

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<b>TR 03.49</b>	<b>Example protocol stacks for interconnecting Cell Broadcast Centre (CBC) and Base Station Controller (BSC)</b>				
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> RODERMUND,	Vodafone D2 GmbH	
	<i>freeze_meeting:</i> SP-08	G: yes U:	<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 03.50</b>	<b>Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System</b>				
R98	<i>current version:</i> 7.1.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	Telecom Italia Lab S.p.A.	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<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:</i> #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	<i>current version:</i> 7.1.1	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> GIRAUD, Alexis	ALCATEL S.A.	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	smg-28 12/02/1999 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI PE 26/05/1999 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>			
<hr/>					
<b>TS 03.53</b>	<b>Tandem Free Operation (TFO); Service description; Stage 2</b>				
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> S4 / NP / S2	<i>rapporteur:</i> FAUCONNIER, Denis	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> smg-29	G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	smg-25 20/03/1998 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Mar00: prime responsibility txfrd to SMG11		
	smg-29 25/06/1999 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #25: 7.0.0		

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<b>TS 03.54</b>	<b>Description for the use of a Shared Inter Working Function (SIWF) in a GSM PLMN; Stage 2</b>				
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> #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	<i>current version:</i> 7.1.1	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> ROBERTS, Martin	Nortel	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> SULTAN, Alain		
	<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 26/05/1999 7 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #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	<i>current version:</i> 7.2.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> BRENK, Lars	TTPCom Ltd	
	<i>freeze_meeting:</i> smg-29	<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>		
	TP-06 15/12/1999 7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #27: for info #29: 7.0.0 T#6: 7.1.0 expect TSG#7 CR to fix unimplementable one		
	TP-07 15/03/2000 7 . 2 . 0	<a href="#">get it</a>	at TSG#6. TSG#7: 7.2.0		
<hr/>					
<b>TR 03.58</b>	<b>Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)</b>				
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> MONFORT, Jean-Yves	France Telecom	
	<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:</i> #29: 7.0.0		

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## TS 03.60 General Packet Radio Service (GPRS) Service description; Stage 2

R98 *current version: 7.9.0* WG (prime / other): S2 / - *rapporteur:* DELECKI, Andrew MOTOROLA Ltd  
*freeze\_meeting: smg-29* G: yes U: *MCC:* SULTAN, Alain

*history (event, available, version,*

smg-28	12/02/1998	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>
ETSI publication	20/01/2000	7	.	1	.	1	<a href="#">get it</a>	
SP-05	08/10/1999	7	.	2	.	0	<a href="#">get it</a>	
SP-06	15/12/1999	7	.	3	.	0	<a href="#">get it</a>	
ETSI publication	07/07/2000	7	.	3	.	1	<a href="#">get it</a>	
SP-07	15/03/2000	7	.	4	.	0	<a href="#">get it</a>	
ETSI publication	22/09/2000	7	.	4	.	1	<a href="#">get it</a>	
SP-09	01/02/2001	7	.	5	.	0	<a href="#">get it</a>	
SP-11	19/04/2001	7	.	6	.	0	<a href="#">get it</a>	
SP-12	29/06/2001	7	.	7	.	0	<a href="#">get it</a>	
SP-14	08/01/2002	7	.	8	.	0	<a href="#">get it</a>	
edito		7	.	8	.	1		
SP-17	02/10/2002	7	.	9	.	0	<a href="#">get it</a>	

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## TS 03.63 Packet Data on Signalling channels service (PDS) Service description, Stage 2

R98 *current version: 7.0.0* WG (prime / other): N1 / - *rapporteur:* JACOBSON, Dieter T-MOBILE DEUTSCHLAND  
*freeze\_meeting: smg-29* G: yes U: *MCC:* JORGENSEN, Per Johan

*history (event, available, version,*

smg-31	16/02/2000	7	.	0	.	0	<a href="#">get it</a>	<i>remarks - general:</i>
								<i>remarks - this release:</i>

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## TS 03.64 General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2

R98 *current version: 7.1.0* WG (prime / other): G1 / - *rapporteur:* LEPPISAARI, Arto NOKIA Corporation  
*freeze\_meeting: smg-29* G: yes U: *MCC:* USAI, Paolino

*history (event, available, version,*

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>

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<b>TS 03.66</b>	<b>Support of GSM Mobile Number Portability (MNP); Stage 2</b>				
R98	<i>current version:</i> 7.3.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> LOPEZ SORIA, Luis	Telefon AB LM Ericsson	
	<i>freeze_meeting:</i> smg-29	<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> #28: 7.0.0 #29: 7.1.0 TSG#5: 7.2.0 (Expect 7.3.0 dealing with PE comments.)		
	NP-05 08/10/1999 7 . 2 . 0	<a href="#">get it</a>	TSG#7: 7.3.0		
	NP-07 15/03/2000 7 . 3 . 0	<a href="#">get it</a>			
	ETSI publication 10/10/2000 7 . 3 . 1	<a href="#">get it</a>			
<hr/>					
<b>TS 03.67</b>	<b>Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2</b>				
R98	<i>current version:</i> 7.2.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> SCHMITT, Peter	SIEMENS AG	
	<i>freeze_meeting:</i> smg-29	<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>		
	NP-07 17/03/2000 7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	NP-10 21/12/2000 7 . 2 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 03.68</b>	<b>Voice Group Call Service (VGCS); Stage 2</b>				
R98	<i>current version:</i> 7.2.0	<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>		
	NP-07 15/12/1999 7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #29: 7.0.0 TSG#7: 7.1.0 TSG#9:7.2.0		
	NP-09 12/10/2000 7 . 2 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 03.69</b>	<b>Voice Broadcast service (VBS); Stage 2</b>				
R98	<i>current version:</i> 7.2.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> MÜNNING, Dirk	DETECON GMBH	
	<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>		
	NP-07 15/03/2000 7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #29: 7.0.0 TSG#7: 7.1.0 TSG#9:7.2.0		
	NP-09 12/10/2000 7 . 2 . 0	<a href="#">get it</a>			

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**TS 03.70 Routing of Calls to/from Public Data Networks (PDN)**

R98  
current version: 7.0.0  
freeze\_meeting: smg-29  
history (event, available, version,  
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-31 bis 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: SULTAN, Alain  
[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](#)

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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* WG (prime / other): N4 / - *rapporteur:* KYMALAINEN, Kimmo SONERA Corporation  
*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:* 2001-10-11: S2->N4 to align with ownership of 23.073.  
smg-29 25/06/1999 7 . 1 . 0 [get it](#) *remarks - this release: #27: for info*  
smg-30 11/11/1999 7 . 2 . 0 [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* WG (prime / other): N2 / - *rapporteur:* LANTELME, Isabelle ALCATEL S.A.  
*freeze\_meeting: smg-29* G: yes U: *MCC:* JURISIC, Andrijana  
*history (event, available, version,*  
smg-28 12/02/1999 7 . 0 . 0 [get it](#) *remarks - general:*  
ETSI publication 16/08/1999 7 . 0 . 1 [get it](#) *remarks - this release:*  
smg-29 25/06/1999 7 . 1 . 0 [get it](#)  
NP-05 13/10/1999 7 . 2 . 0 [get it](#)  
NP-07 17/03/2000 7 . 3 . 0 [get it](#)  
NP-08 23/06/2000 7 . 4 . 0 [get it](#)  
NP-10 04/01/2001 7 . 5 . 0 [get it](#)  
NP-12 02/07/2001 7 . 6 . 0 [get it](#)  
visible figures 04/07/2001 7 . 6 . 1 [get it](#)  
NP-14 04/01/2002 7 . 7 . 0 [get it](#)  
NP-16 17/06/2002 7 . 8 . 0 [get it](#)  
Editorial correction 21/08/2002 7 . 8 . 1 [get it](#)  
to SDLs

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## TS 03.79 Support of Optimal Routing phase 1; Stage 2

R98 *current version: 7.3.0* WG (prime / other): N4 / - *rapporteur:* PARK, Ian David VODAFONE LTD  
*freeze\_meeting: smg-29* G: yes U: *MCC:* 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: #28: 7.0.0 #29: 7.1.0 TSG#5: 7.2.0 TSG#7: 7.3.0*  
NP-05 08/10/1999 7 . 2 . 0 [get it](#)  
NP-07 15/03/2000 7 . 3 . 0 [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	SONERA Corporation	
	<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	SONERA Corporation	
	<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	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>		
			<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	current version: 7.0.1	WG (prime / other):	N4 / -	rapporteur:	WIEHE, Ulrich
	freeze_meeting: smg-29	G: yes U:		MCC:	KYMALAINEN, Kimmo
	history (event, available, version,				SIEMENS AG
	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	
<hr/>					
<b>TS 03.87</b>	<b>User-to-user signalling (UUS); Stage 2</b>				
R98	current version: 7.0.2	WG (prime / other):	N4 / -	rapporteur:	WIEHE, Ulrich
	freeze_meeting: smg-29	G: yes U:		MCC:	KYMALAINEN, Kimmo
	history (event, available, version,				SIEMENS AG
	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	
	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	current version: 7.0.0	WG (prime / other):	N4 / -	rapporteur:	WIEHE, Ulrich
	freeze_meeting: smg-29	G: yes U:		MCC:	KYMALAINEN, Kimmo
	history (event, available, version,				SIEMENS AG
	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 03.90</b>	<b>Unstructured Supplementary Service Data (USSD)</b>				
R98	current version: 7.0.0	WG (prime / other):	N4 / -	rapporteur:	CHOTAI, Sunil
	freeze_meeting: smg-29	G: yes U:		MCC:	KYMALAINEN, Kimmo
	history (event, available, version,				mmO2 plc
	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 03.91</b>	<b>Explicit Call Transfer (ECT) Supplementary Service; Stage 2</b>				
R98	current version: 7.0.0	WG (prime / other):	N4 / -	rapporteur:	WIEHE, Ulrich
	freeze_meeting: smg-29	G: yes U:		MCC:	KYMALAINEN, Kimmo
	history (event, available, version,				SIEMENS AG
	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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<b>TS 03.93</b>	<b>Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	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> <i>remarks - this release:</i> #29: 7.0.0
<hr/>						
<b>TS 03.96</b>	<b>Name Identification Supplementary Services; Stage 2</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	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> <i>remarks - this release:</i> #29: 7.0.0
<hr/>						
<b>TS 03.97</b>	<b>Multiple subscriber Profile (MSP); Stage 2</b>					
R98	<i>current version:</i> 7.2.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> HEWSON, Ruth	VODAFONE Group Plc		
	<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 . 1 . 1					<a href="#">get it</a>
	NP-06 15/12/1999 7 . 2 . 0					<a href="#">get it</a>
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<b>TS 04.01</b>	<b>Mobile Station - Base Station System (MS - BSS) Interface General As pects and Principles</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	Peter Skov			
	<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 04.02</b>	<b>GSM Public Land Mobile Network (PLMN) Access Reference Configuration</b>					
R98	current version: 7.0.0 freeze_meeting: smg-29	WG (prime / other): N1 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S		
	history (event, available, version, smg-29 25/06/1999 7 . 0 . 0	G: yes U:	MCC: JORGENSEN, Per Johan			
		<a href="#">get it</a>	remarks - general: remarks - this release: #29: 7.0.0			
<hr/>						
<b>TS 04.03</b>	<b>Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities</b>					
R98	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 04.04</b>	<b>Layer 1 - General Requirements</b>					
R98	current version: 7.0.0 freeze_meeting: smg-29	WG (prime / other): G2 / -	rapporteur: ISAACS, Ken THOMASEN, Gert	SIEMENS AG		
	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 04.05</b>	<b>Data Link (DL) Layer General Aspects</b>					
R98	current version: 7.1.2 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 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	G: yes U:	MCC: THOMASEN, Gert			
		<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>				

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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	<a href="#">get it</a>	<i>remarks - general:</i>
ETSI publication	14/12/1999	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>	
Editorial correction	16/02/2000	7	.	1	.	1	<a href="#">get it</a>	
ETSI publication	29/09/2000	7	.	1	.	2	<a href="#">get it</a>	
GP-03	31/01/2001	7	.	2	.	0	<a href="#">get it</a>	
edito	31/01/2001	7	.	2	.	1	<a href="#">get it</a>	

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**TS 04.07 Mobile Radio Interface Signalling Layer 3 - General Aspects**

R98 *current version: 7.3.0* WG (prime / other): N1 / - rapporteur: HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting: smg-29* G: yes U: MCC: JORGENSEN, Per Johan

*history (event, available, version,*

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>	

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## TS 04.08 Mobile radio interface layer 3 specification

R98 current version: 7.19.0  
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

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-28	12/02/1999	7	.	0	.	0	<a href="#">get it</a>
smg-29	25/06/1999	7	.	1	.	0	<a href="#">get it</a>
edito	15/07/1999	7	.	1	.	1	<a href="#">get it</a>
ETSI OAP	11/08/1999	7	.	1	.	2	<a href="#">get it</a>
ETSI publication	29/12/1999	7	.	1	.	3	<a href="#">get it</a>
NP-05	08/10/1999	7	.	2	.	0	<a href="#">get it</a>
smg-30 bis	06/12/1999	7	.	3	.	0	<a href="#">get it</a>
NP-06	15/12/1999	7	.	4	.	0	<a href="#">get it</a>
ETSI publication	20/09/2000	7	.	4	.	2	<a href="#">get it</a>
smg-31	16/02/2000	7	.	5	.	0	<a href="#">get it</a>
edito	20/02/2000	7	.	5	.	1	<a href="#">get it</a>
NP-07	15/03/2000	7	.	6	.	0	<a href="#">get it</a>
ETSI publicaton	05/10/2000	7	.	6	.	1	<a href="#">get it</a>
smg-31 bis	17/04/2000	7	.	7	.	0	<a href="#">get it</a>
smg-32	28/06/2000	7	.	8	.	0	<a href="#">get it</a>
GP-01/NP-09	12/10/2000	7	.	9	.	0	<a href="#">get it</a>
edito	02/11/2000	7	.	9	.	1	<a href="#">get it</a>
NP-10	02/01/2001	7	.	10	.	0	<a href="#">get it</a>
GP-04	11/04/2001	7	.	11	.	0	<a href="#">get it</a>
GP-05	18/06/2001	7	.	12	.	0	<a href="#">get it</a>
NP-12	13/07/2001	7	.	13	.	0	<a href="#">get it</a>
GP-06	14/09/2001	7	.	14	.	0	<a href="#">get it</a>
GP-07	04/01/2002	7	.	15	.	0	<a href="#">get it</a>
NP-14	07/01/2002	7	.	16	.	0	<a href="#">get it</a>
GP-08	19/02/2002	7	.	17	.	0	<a href="#">get it</a>
NP-17	17/09/2002	7	.	18	.	0	<a href="#">get it</a>
NP-18		7	.	19	.	0	

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<b>TS 04.10</b>	<b>Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects</b>				
R98	<i>current version:</i> 7.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-29		Peter Skov		
	<i>history (event, available, version,</i>	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	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:</i>		
	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	<i>current version:</i> 7.1.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> NOBUYUKI, Uda	NTT COMWARE Corporation	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version,</i>				
	smg-29 25/06/1999 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	NP-09 12/10/2000 7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
<hr/>					
<b>TS 04.12</b>	<b>Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface</b>				
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> G2 / T2	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-29		Peter Skov		
	<i>history (event, available, version,</i>	<i>G: yes U:</i>	<i>MCC:</i> THOMASEN, Gert		
	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 04.13</b>	<b>Performance Requirements on Mobile Radio Interface</b>				
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> PUDNEY, Chris	VODAFONE Group Plc	
	<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>		
	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 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: yes 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				<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>				
<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: 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>			
	edito	7 . 0 . 1				<i>remarks - this release: #27: 7.0.0 TSG#8:7.1.0</i>			
	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>				
<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: 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>			
	NP-06 15/12/1999	7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release: #28: 7.0.0 TSG#6: 7.1.0</i>			
<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: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo					
	<i>history (event, available, version,</i>								
	smg-30 bis 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> 7.11.0	<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-30 bis 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-31 bis 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>		

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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-30 bis 06/12/1999	7 . 0 . 1	<a href="#">get it</a>		<i>remarks - general:</i>
	smg-31 bis 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 Kommunikations-Elektronik GmbH	
	<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 Kommunikations-Elektronik GmbH  
*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-30 bis 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> SALKINTZIS, Apostolis	MOTOROLA GmbH	
	<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> SALKINTZIS, Apostolis	MOTOROLA GmbH	
	<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> 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-30 bis 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	SIEMENS AG				
	<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: #27: for info #28: 7.0.0</i>				
<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	SIEMENS AG				
	<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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<b>TS 04.81</b>	<b>Line Identification Supplementary Services; Stage 3</b>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	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>
	Publication 12/01/2000 7 . 0 . 1				<a href="#">get it</a>	<i>remarks - this release: #29: 7.0.0</i>
<hr/>						
<b>TS 04.82</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 3</b>					
R98	<i>current version:</i> 7.0.2	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	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-28 12/02/1999 7 . 0 . 0				<a href="#">get it</a>	<i>remarks - general:</i>
	<to be defined> 14/12/1999 7 . 0 . 2				<a href="#">get it</a>	<i>remarks - this release: #28: 7.0.0</i>
<hr/>						
<b>TS 04.83</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 3</b>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> SHARP, Iain	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i> smg-29	<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>
	Publication 12/01/2000 7 . 0 . 1				<a href="#">get it</a>	<i>remarks - this release: #29: 7.0.0</i>
<hr/>						
<b>TS 04.84</b>	<b>Multi Party (MPTY) Supplementary Services; Stage 3</b>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> HABERMANN, Steffen	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> smg-29	<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 04.85</b>	<b>Closed User Group (CUG) Supplementary Services; Stage 3</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	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>
						<i>remarks - this release: #29: 7.0.0</i>

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<b>TS 04.86</b>	<b>Advice of Charge (AoC) Supplementary Services; Stage 3</b>				
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	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: #29: 7.0.0</i>		
<hr/>					
<b>TS 04.87</b>	<b>User-to-User Signalling (UUS) Supplementary Service; Stage 3</b>				
R98	<i>current version:</i> 7.0.2	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	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-28 12/02/1999 7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	ETSI Publication 16/12/1999 7 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release: #28: 7.0.0</i>		
<hr/>					
<b>TS 04.88</b>	<b>Call Barring (CB) Supplementary Services; Stage 3</b>				
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	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>		
			<i>remarks - this release: #29: 7.0.0</i>		
<hr/>					
<b>TS 04.90</b>	<b>Unstructured Supplementary Service Data (USSD)</b>				
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	SONERA Corporation	
	<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 04.91</b>	<b>Explicit Call Transfer (ECT) Supplementary Service; Stage 3</b>				
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	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: #29: 7.0.0</i>		

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

[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 SIEMENS AG  
*G: yes U:* *MCC:* KYMALAINEN, Kimmo

[get it](#) *remarks - general:*  
*remarks - this release:* #29: 7.0.0

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R98 05 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/05\\_series](http://www.3gpp.org/ftp/Specs/archive/05_series)

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**TS 05.01 Physical Layer on the Radio Path (General Description)**

R98  
*current version:* 7.2.0  
*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 NOKIA MOBILE PHONES  
*G: yes U:* *MCC:* USAI, Paolino

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

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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*

*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-30 bis 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-31 bis 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

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](#)

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## TS 05.03 Channel coding

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

smg-30 11/11/1999 7 . 2 . 0

smg-31 16/02/1999 7 . 3 . 0

ETSI publication 17/02/2001 7 . 3 . 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: #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*

*history (event, available, version,*

smg-29 25/06/1999 7 . 0 . 0

ETSI publication 20/06/2000 7 . 0 . 1

smg-30 bis 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

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](#)

[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-31 bis 17/04/2000 7 . 4 . 0

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:*

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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-31 bis 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

G: yes U: *MCC:* USAI, Paolino

VODAFONE Group Plc

*remarks - general:*

*remarks - this release:*

[get it](#)

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[get it](#)

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<b>TS 05.09</b>	<b>Link adaptation</b>					
R98	<i>current version: 7.7.0</i>		<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> ANDERSEN, Niels		MOTOROLA A/S
	<i>freeze_meeting: smg-29</i>			Peter Skov		
			<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>	
	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>		<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> JOKINEN, Harri		NOKIA MOBILE PHONES
	<i>freeze_meeting: smg-29</i>			USAI, Paolino		
	<i>history (event, available, version,</i>		<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	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-31 bis 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>		<i>WG (prime / other):</i> G1 / G2	<i>rapporteur:</i> KANGAS, Antti		NOKIA Corporation
	<i>freeze_meeting: smg-29</i>			USAI, Paolino		
	<i>history (event, available, version,</i>		<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	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: .		
<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-31 bis 17/04/2000 7 . 4 . 0	<a href="#">get it</a>			
<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 Lab S.p.A.	
	freeze_meeting: smg-29	G: yes U:	MCC: USAI, Paolino		
	history (event, available, version,				
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	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>			
<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 Lab 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.		

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 Lab 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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<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>					
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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>	
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<b>TS 06.07</b>	<b>Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec</b>					
R98	<i>current version: 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>	
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<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>					
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					<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:</i> smg-29		<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
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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>		
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<b>TS 06.11</b>	<b>Substitution and Muting of Lost Frames for Full Rate Speech Channels</b>					
R98	<i>current version: 7.0.1</i>		<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>					
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<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:</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>	
	SP-12 29/06/2001	7 . 1 . 0		<a href="#">get it</a>		
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<b>TS 06.20</b>	<b>Half Rate Speech Transcoding</b>					
R98	<i>current version: 7.0.1</i>		<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>	
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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> AFTELAKE, 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 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> AFTELAKE, 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 Lab 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>					
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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>			
<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>					
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	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 Lab 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>					
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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>			

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<b>TS 06.42</b>	<b>Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels</b>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> BARRETT, Paul	Indicate persons who left Company and wait for new One		
	<i>freeze_meeting:</i> smg-29	<i>G: 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:</i> #29: 7.0.0		
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<b>TS 06.51</b>	<b>GSM Enhanced full rate speech processing functions: General description</b>					
R98	<i>current version:</i> 7.2.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
<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 #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>			
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<b>TS 06.53</b>	<b>ANSI-C code for the GSM Enhanced Full Rate (EFR) speech codec</b>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
<i>history (event, available, version,</i>						
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<b>TS 06.54</b>	<b>Test sequences for the GSM Enhanced Full Rate (EFR)</b>					
R98	<i>current version:</i> 7.2.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-29	<i>G: 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:</i>		
	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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
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			<i>remarks - this release:</i> #29: 7.0.0		
<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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
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	ETSI Publication 13/12/1999 7 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release:</i> #28: 7.0.0		
<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	<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:</i> #29: 7.0.0		
<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	<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:</i> #29: 7.0.0		
<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 Lab 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-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  
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  
SP-06 17/12/1999 7 . 3 . 0  
SP-07 15/03/2000 7 . 4 . 0  
ETSI Publication 28/09/2000 7 . 4 . 1  
SP-11 10/04/2001 7 . 5 . 0  
SP-14 09/01/2002 7 . 6 . 0

WG (prime / other): S4 / -  
G: yes U:  
rapporteur: USAI, Paolino  
MCC: USAI, Paolino  
Telecom Italia Lab S.p.A.

[get it](#) remarks - general: SMG11->S4 at SMG#30  
[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  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[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  
freeze\_meeting: smg-29  
history (event, available, version,  
smg-28 12/02/1999 2 . 0 . 0  
SP-06 17/12/1999 7 . 0 . 0  
corrected test 04/02/2000 7 . 0 . 1  
vectors  
corrected test 14/09/2000 7 . 0 . 2  
vectors  
ETSI publication 05/10/2000 7 . 0 . 3  
SP-11 10/04/2001 7 . 1 . 0  
corrected tests 04/07/2001 7 . 1 . 1  
SP-15 28/03/2002 7 . 2 . 0  
SP-16 28/06/2002 7 . 3 . 0

WG (prime / other): S4 / -  
G: yes U:  
rapporteur: EKUDDEN, Erik  
MCC: USAI, Paolino  
Telefon AB LM Ericsson

[get it](#) remarks - general: SMG11->S4 at SMG#30  
[get it](#) remarks - this release:  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[get it](#)  
[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  
freeze\_meeting: smg-29  
history (event, available, version,  
smg-29 25/06/1999 1 . 0 . 0  
smg-30 11/11/1999 7 . 0 . 0  
SP-06 17/12/1999 7 . 1 . 0  
SP-07 17/03/2000 7 . 2 . 0

WG (prime / other): S4 / -  
G: yes U:  
rapporteur: USAI, Paolino  
MCC: USAI, Paolino  
Telecom Italia Lab S.p.A.

[get it](#) remarks - general: SMG11->S4 at SMG#30  
[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  
[get it](#)  
[get it](#)

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<b>TR 06.76</b>	<b>Adaptive Multi-Rate (AMR) speech codec; Study phase report</b>					
R98	<i>current version:</i> 7.0.2	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	Telecom Italia Lab 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-31 16/02/2000 1 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> New at SMG#31. Then became 06.77; new 06.76 has new title.			
	SP-07 2 . 0 . 0 SP-000023		<i>remarks - this release:</i>			
	SP-07 17/03/2000 7 . 0 . 0	<a href="#">get it</a>				
	fix invisible 10/01/2002 7 . 0 . 1	<a href="#">get it</a>				
	refix invisible 15/01/2002 7 . 0 . 2	<a href="#">get it</a>				
	figures					
<hr/>						
<b>TS 06.81</b>	<b>Discontinuous Transmission (DTX) for enhanced full rate speech traffic channels</b>					
R98	<i>current version:</i> 7.1.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</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			
	ETSI Publication 09/05/2000 7 . 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>					
R98	<i>current version:</i> 7.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</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>TR 06.85</b>	<b>Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation</b>					
R98	<i>current version:</i> 7.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	Telecom Italia Lab 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:</i> #29: 7.0.0			

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<b>TS 06.90</b>	<b>Adaptive Multi-Rate speech transcoding</b>					
R98	<i>current version: 7.2.1</i>	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	USAI, Paolino	Telecom Italia Lab 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>	SMG11->S4 at SMG#30
	smg-29 25/06/1999 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	#28: 7.0.0 #29: 7.1.0 #30: 7.2.0
	smg-30 11/11/1999 7 . 2 . 0			<a href="#">get it</a>		
	ETSI Publication 09/05/2000 7 . 2 . 1			<a href="#">get it</a>		
<hr/>						
<b>TS 06.91</b>	<b>Substitution and muting of lost frames for AMR speech traffic channels</b>					
R98	<i>current version: 7.1.1</i>	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	USAI, Paolino	Telecom Italia Lab 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>	SMG11->S4 at SMG#30
	smg-30 11/11/1999 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	#28: 7.0.0 #30: 7.1.0
	ETSI Publication 09/05/2000 7 . 1 . 1			<a href="#">get it</a>		
<hr/>						
<b>TS 06.92</b>	<b>Comfort noise aspects for Adaptive Multi-Rate speech traffic channels</b>					
R98	<i>current version: 7.1.1</i>	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	USAI, Paolino	Telecom Italia Lab 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>	SMG11->S4 at SMG#30
	smg-29 25/06/1999 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	#28: 7.0.0 #29: 7.1.0
	ETSI Publication 17/12/1999 7 . 1 . 1			<a href="#">get it</a>		
<hr/>						
<b>TS 06.93</b>	<b>Discontinuous Transmission (DTX) for Adaptive Multi-Rate speech traffic channels</b>					
R98	<i>current version: 7.5.0</i>	<i>WG (prime / other):</i>	S4 / -	<i>rapporteur:</i>	USAI, Paolino	Telecom Italia Lab 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>	SMG11->S4 at SMG#30
	smg-29 25/06/1999 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	#28: 7.0.0 #29: 7.1.0 #30: 7.2.0 SA#6: 7.3.0 TSG#8:7.4.0 TSG#10:7.5.0
	smg-30 11/11/1999 7 . 2 . 0			<a href="#">get it</a>		
	SP-06 17/12/1999 7 . 3 . 0			<a href="#">get it</a>		
	ETSI publication 21/03/2001 7 . 3 . 1			<a href="#">get it</a>		
	SP-08 28/06/2000 7 . 4 . 0			<a href="#">get it</a>		
	ETSI publication 30/11/2000 7 . 4 . 1			<a href="#">get it</a>		
	SP-10 21/12/2000 7 . 5 . 0			<a href="#">get it</a>		

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**TS 06.94 Voice Activity Detector (VAD) for Adaptive Multi Rate (AMR) speech traffic channels**  
R98 *current version: 7.1.1* WG (prime / other): S4 / - rapporteur: USAI, Paolino Telecom Italia Lab 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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R98 07 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/07\\_series](http://www.3gpp.org/ftp/Specs/archive/07_series)

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**TS 07.01 General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)**  
R98 *current version: 7.1.1* WG (prime / other): N3 / - rapporteur: WIJK, Rune Werner 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: WIJK, Rune Werner 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: WIJK, Rune Werner 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 Teleca 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:* 7.7.0 *WG (prime / other):* T2 / - *rapporteur:* TOMÉ, Olga 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](#)

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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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<b>TS 08.01</b>	<b>General Aspects on the BSS-MSC Interface</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 08.02</b>	<b>Base Station System - Mobile Services Switching Centre (BSS-MSC) 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 08.04</b>	<b>Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification</b>					
R98	current version: 7.0.1 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 ETSI Publication 17/08/1999 7 . 0 . 1	G: yes U:	MCC: THOMASEN, Gert		<a href="#">get it</a> remarks - general: <a href="#">get it</a> remarks - this release:	
<hr/>						
<b>TS 08.06</b>	<b>Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface</b>					
R98	current version: 7.0.1 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 ETSI Publication 17/08/1999 7 . 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 08.08</b>	<b>Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification</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 Peter Skov THOMASEN, Gert	MOTOROLA A/S	
	<i>history (event, available, version,</i>	<i>G: yes U:</i>	<i>MCC:</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>
	smg-29 25/06/1999 7 . 2 . 0				<a href="#">get it</a>
	smg-30 11/11/1999 7 . 3 . 0				<a href="#">get it</a>
	smg-30 bis 06/12/1999 7 . 4 . 0				<a href="#">get it</a>
	smg-31 bis 17/04/2000 7 . 5 . 0				<a href="#">get it</a>
	smg-31 16/02/2000 7 . 5 . 0				<a href="#">get it</a>
	smg-32 20/06/2000 7 . 6 . 0				<a href="#">get it</a>
	edito 14/09/2000 7 . 6 . 1				<a href="#">get it</a>
	GP-01 11/10/2000 7 . 7 . 0				<a href="#">get it</a>
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<b>TS 08.14</b>	<b>General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1</b>				
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 THOMASEN, Gert	MOTOROLA A/S	
	<i>history (event, available, version,</i>	<i>G: yes U:</i>	<i>MCC:</i>		
	smg-28 12/02/1999 7 . 0 . 0				<a href="#">get it</a> <i>remarks - general:</i>
	ETSI Publication 30/08/1999 7 . 0 . 1				<a href="#">get it</a> <i>remarks - this release:</i>
<hr/>					
<b>TS 08.16</b>	<b>General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service</b>				
R98	<i>current version:</i> 7.1.0 <i>freeze_meeting:</i> smg-29	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov THOMASEN, Gert	MOTOROLA A/S	
	<i>history (event, available, version,</i>	<i>G: yes U:</i>	<i>MCC:</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>

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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:	Peter Skov			
	<i>history (event, available, version,</i>		<i>MCC:</i> THOMASEN, Gert			
	smg-30 1 . 0 . 0		<i>remarks - general:</i>			
	smg-30 bis 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 Tranceiver 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:	Peter Skov			
	<i>history (event, available, version,</i>		<i>MCC:</i> THOMASEN, Gert			
	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	<i>current version: 7.0.0</i> <i>freeze_meeting: smg-29</i>	<i>WG (prime / other): G2 / -</i>	<i>rapporteur: ANDERSEN, Niels</i>		MOTOROLA A/S	
		<i>G: yes U:</i>	<i>MCC: THOMASEN, Gert</i>			
	<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 08.54</b>	<b>BSC-BTS Layer 1; Structure of Physical Circuits</b>					
R98	<i>current version: 7.0.0</i> <i>freeze_meeting: smg-29</i>	<i>WG (prime / other): G2 / -</i>	<i>rapporteur: ANDERSEN, Niels</i>		MOTOROLA A/S	
		<i>G: yes U:</i>	<i>MCC: THOMASEN, Gert</i>			
	<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 08.56</b>	<b>BSC-BTS Layer 2; Specification</b>					
R98	<i>current version: 7.0.0</i> <i>freeze_meeting: smg-29</i>	<i>WG (prime / other): G2 / -</i>	<i>rapporteur: ANDERSEN, Niels</i>		MOTOROLA A/S	
		<i>G: yes U:</i>	<i>MCC: THOMASEN, Gert</i>			
	<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 08.58</b>	<b>Base Station Controller - Base Transceiver Station (BSC-BTS) Interface Layer 3 Specification</b>					
R98	<i>current version: 7.4.1</i> <i>freeze_meeting: smg-29</i>	<i>WG (prime / other): G2 / -</i>	<i>rapporteur: ANDERSEN, Niels</i>		MOTOROLA A/S	
		<i>G: yes U:</i>	<i>MCC: THOMASEN, Gert</i>			
	<i>history (event, available, version,</i> 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	<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: #28: 7.0.0 #29: 7.1.0 #30: 7.2.0 #31:7.4.0</i>			

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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	<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> smg-29		Peter Skov			
		G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version,</i>					
	smg-29 25/06/2000	7 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.	
	smg-30 11/11/1999	7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-30 bis 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	<i>current version:</i> 7.3.0	<i>WG (prime / other):</i> G1 / NP	<i>rapporteur:</i> ANDERSEN, Niels		MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-29		Peter Skov			
		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>	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>	<i>remarks - this release:</i>		
	smg-30 bis 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	<i>current version:</i> 7.1.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino		Telecom Italia Lab 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	
	SP-07 15/03/1999	7 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	#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>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels		MOTOROLA A/S
	<i>freeze_meeting:</i> smg-29		Peter Skov		
		<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 bis	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-31 bis	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>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo		SONERA Corporation
	<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-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 09.02</b>	<b>Mobile Application Part (MAP) Specification</b>						
R98	<i>current version:</i> 7.12.0		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich		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-28 12/02/1999	7 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> CN->N4 Apr00 (JMM)		
	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 13/12/1999	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>			
	edito 04/09/2000	7 . 5 . 1		<a href="#">get it</a>			
	NP-09 08/11/2000	7 . 6 . 0		<a href="#">get it</a>			
	NP-10 21/12/2000	7 . 7 . 0		<a href="#">get it</a>			
	NP-11 06/04/2001	7 . 8 . 0		<a href="#">get it</a>			
	NP-12 06/07/2001	7 . 9 . 0		<a href="#">get it</a>			
	NP-14 18/01/2002	7 . 10 . 0		<a href="#">get it</a>			
	NP-15 04/04/2002	7 . 11 . 0		<a href="#">get it</a>			
	NP-18	7 . 12 . 0					
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<b>TS 09.03</b>	<b>Signalling Requirements on Interworking between the Intergrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) and the Public Land Mobile</b>						
R98	<i>current version:</i> <b>Network (PLMN)</b>	7.0.0	<i>WG (prime / other):</i> N3	<i>rapporteur:</i> BOSWARTHICK, David			
	ETSI Secretariat						
	<i>freeze_meeting:</i> smg-29		<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version,</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		
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<b>TS 09.04</b>	<b>Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)</b>						
R98	<i>current version:</i> 7.0.0		<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David		ETSI Secretariat	
	<i>freeze_meeting:</i> smg-29		<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version,</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		

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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 / -	rapporteur:	BOSWARTHICK, David	ETSI Secretariat			
	<i>freeze_meeting:</i> smg-29	G: yes	U:	MCC:	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
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<b>TS 09.06</b>	<b>Interworking between a Public Land Mobile Network (PLMN) and a Packet Switched Public Data Network/Intergrated Services digital Network (PSPDN/ISDN) for Support of Packet</b>								
R98	<i>current version:</i> <b>Switched Data Transmission Services</b>	7.0.0	WG (prime / other):	N3	/-	rapporteur:	BOSWARTHICK, David		
ETSI Secretariat									
	<i>freeze_meeting:</i> smg-29	G: yes	U:	MCC:	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
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<b>TS 09.07</b>	<b>General Requirements on Interworking between the Public Land Mobile Network (PLMN) and the Intergrated Services Digital Network (ISDN) or Public Switched Telephone</b>								
R98	<i>current version:</i> <b>Network (PSTN)</b>	7.2.0	WG (prime / other):	N3	/-	rapporteur:	KLEHN, Norbert		
SIEMENS AG									
	<i>freeze_meeting:</i> smg-29	G: yes	U:	MCC:	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 / -	rapporteur:	FARHOUMAND,	Ericsson Incorporated			
	<i>freeze_meeting:</i> smg-29	G: yes	U:	MCC:	Rouzbeh	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	
SONERA Corporation									
	<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>
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<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	SIEMENS AG	
	<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>
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<b>TS 09.13</b>	<b>Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols</b>								
R98	<i>current version: 7.0.0</i>		WG (prime / other):	N4	/-	<i>rapporteur:</i>	WIEHE, Ulrich	SIEMENS AG	
	<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>
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<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>
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<b>TS 09.16</b>	<b>General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface network service specification</b>								
R98	<i>current version: 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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G = required in systems with GERAN access; U = required in systems with UMTS

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**TS 09.18 General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification**  
R98 *current version: 7.5.0* WG (prime / other): N1 / - rapporteur: MILLS, Duncan VODAFONE Group Plc  
*freeze\_meeting: smg-29* G: yes U: MCC: JORGENSEN, Per Johan

*history (event, available, version,*

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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**TS 09.31 Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)**  
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-30 bis	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	SONERA Corporation	
	<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-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 visible 09/08/2001 7 . 7 . 2		<a href="#">get it</a>		
	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 7 . 10 . 0				

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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> 7.8.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> WILD, Johanna	MOTOROLA Ltd	
	<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>	
	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 7 . 8 . 0				

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<b>TS 09.78</b>	<b>CAMEL Application Part phase 2 (stage 3)</b>								
R98	current version: 7.1.0	WG (prime / other):	N2 / -	rapporteur:	NOLDUS, Rogier	Telefon AB LM Ericsson			
	freeze_meeting: smg-29	G: yes	U:	MCC:	JURISIC, Andrijana				
	history (event, available, version,								
	smg-29 25/06/1999	7	. 0 . 0	<a href="#">get it</a>	remarks - general:				
	NP-08 21/06/2000	7	. 1 . 0	<a href="#">get it</a>	remarks - this release:				
<hr/>									
<b>TR 09.94</b>	<b>Recommended infrastructure measures to overcome specific Mobile Station (MS) faults</b>								
R98	current version: 7.0.0	WG (prime / other):	N1 / -	rapporteur:	ANDERSEN, Niels	MOTOROLA A/S			
	freeze_meeting:	G: yes	U:	MCC:	Peter Skov				
	history (event, available, version,				JORGENSEN, Per Johan				
	NP-16 26/06/2002	7	. 0 . 0	<a href="#">get it</a>	remarks - general:				
					remarks - this release:	2002-05-02 (Hietalahti): Anticipate resurrection as null document pointing to latest Release version.			
<hr/>									
<b>TR 09.95</b>	<b>Interworking between modified PLMN supporting GPRS and legacy GPRS mobiles</b>								
R98	current version: 7.3.0	WG (prime / other):	G1 / -	rapporteur:	ANDERSEN, Niels	MOTOROLA A/S			
	freeze_meeting: GP-04	G: yes	U:	MCC:	Peter Skov				
	history (event, available, version,				USAI, Paolino				
	GP-04 20/04/2001	7	. 0 . 0	<a href="#">get it</a>	remarks - general:				
	GP-07 04/01/2002	7	. 1 . 0	<a href="#">get it</a>	remarks - this release:				
	GP-08 19/02/2002	7	. 2 . 0	<a href="#">get it</a>					
	GP-12	7	. 3 . 0						

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10 .- series

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<b>TS 10.00</b>	<b>Digital Cellular Telecommunication System Feature Description</b>								
R98	current version: 7.1.0	WG (prime / other):	S2 / -	rapporteur:	BERGMANN, Ansgar	Deutsche Telekom AG			
	freeze_meeting: smg-29	G: yes	U:	MCC:	SULTAN, Alain				
	history (event, available, version,								
	smg-27 16/10/1998	7	. 1 . 0	<a href="#">get it</a>	remarks - general:				
					remarks - this release:	#27: 7D1.0			

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<b>TS 10.56</b>	<b>Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1</b>					
R98	<i>current version:</i> 7.0.0		<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> GALLIGO, Michel	ALCATEL S.A.	
	<i>freeze_meeting:</i> smg-29		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> SULTAN, Alain		
	<i>history (event, available, version,</i>					
	draft 28/08/1998 2 . 0 . 1			<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-27 09/02/2000 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	
<hr/>						
<b>TS 10.70</b>	<b>GSM Adaptive Multi-Rate Speech Codec (AMR); Project schedule and open issues for AMR</b>					
R98	<i>current version:</i> 0.2.1	DRAFT	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> VACANT,		
	<i>freeze_meeting:</i> smg-29		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>					
	smg-27 16/10/1998 0 . 0 . 1			<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-28 12/02/1999 0 . 2 . 0			<a href="#">get it</a>	<i>remarks - this release:</i>	
	draft 05/02/1999 0 . 2 . 1			<a href="#">get it</a>		

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R98 11 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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<b>TS 11.10-1</b>	<b>Mobile station (MS) conformance specification; Part1: Conformance specification</b>					
R98	<i>current version:</i> 7.3.0		<i>WG (prime / other):</i> G5 / S1 /	<i>rapporteur:</i> SALMERON, Lidia	TELEPLUS LIMITED	
	<i>freeze_meeting:</i> smg-29		NP /			
			T2 /			
			SCP			
			/ G4			
			<i>G:</i> yes <i>U:</i>	<i>MCC:</i> SALMERON, Lidia		
	<i>history (event, available, version,</i>					
	smg-29 25/06/1999 7 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i> R99 version now serves all releases. Earlier releases closed.. Subsequently	
	smg-30 11/11/1999 7 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> #31bis: closed (R99 version serves all releases). GP-06: Rel-4 serves all releases.	
	replaced by Rel-5 equivalent. 2001-11-19: G4->G5.					
	smg-31 16/02/2000 7 . 2 . 0			<a href="#">get it</a>		
	editorial correction 16/02/2000 7 . 2 . 1			<a href="#">get it</a>		
	GP-06 06/09/2001 7 . 3 . 0			<a href="#">get it</a>		

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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> <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-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 SIM 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,*

TP-10	11/01/2001	1	.	0	.	0	<a href="#">get it</a> <i>remarks - general:</i>
TP-11	16/05/2001	7	.	0	.	0	<a href="#">get it</a> <i>remarks - this release:</i>
edito	08/08/2002	7	.	0	.	1	late delivery due to very poor initial formatting 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	<a href="#">get it</a> adds missing annex attachments
edito post TP-17	18/09/2002	7	.	4	.	2	<a href="#">get it</a> changes reference to withdrawn ETSI TS.

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<b>TS 11.14</b>	<b>Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface</b>							
R98	<i>current version: 7.7.0</i>		<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> WOODSEND, Kristian				Indicate persons who left Company and wait for new One
	<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>	<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>				
<b>TS 11.17</b>	<b>SIM test specification</b>							
R98	<i>current version: 7.0.2</i>		<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> BREMNER, David				Indicate persons who left Company and wait for new One
	<i>freeze_meeting: smg-29</i>		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>			
<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>		<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> LINDHOLM, Rune				NOKIA MOBILE PHONES
	<i>freeze_meeting: smg-29</i>		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>				
<b>TS 11.19</b>	<b>CTS SIM Fixed Part</b>							
R98	<i>current version: 7.0.3</i>		<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> HUBBE, Pascal				Alcatel Business Systems
	<i>freeze_meeting: smg-29</i>		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:* 7.3.0 *WG (prime / other):* G3 / - *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 7 . 3 . 0

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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):* G3 / - *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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R98 12 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

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**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 *WG (prime / other):* S5 / S1 / *rapporteur:* TOCHE, Christian NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* smg-29 NP  
*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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<b>TS 12.05</b>	<b>Subscriber Related Call and Event Data</b>								
R98	<i>current version: 7.0.1</i>			<i>WG (prime / other):</i> S5 / S1	<i>rapporteur:</i> BENDER, James		Nortel Networks (USA)		
	<i>freeze_meeting: smg-29</i>			<i>G: yes U:</i>	<i>MCC:</i> ZOICAS, Adrian				
	<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>
<hr/>									
<b>TS 12.15</b>	<b>General Packet Radio Service (GPRS); GPRS Charging</b>								
R98	<i>current version: 7.7.0</i>			<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> LEHNERT, Matthias		ALCATEL S.A.		
	<i>freeze_meeting: smg-29</i>			<i>G: yes U:</i>	<i>MCC:</i> ZOICAS, Adrian				
	<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: #27: 7.0.0 #28: 7.1.0 #29: 7.2.0 #30: 7.3.0 S#6: 7.4.0. TSG#7: 7.5.0 TSG#8:7.6.0</i>
	smg-29 25/06/1999	7	.	2	.	0		<a href="#">get it</a>	
	smg-30 11/11/1999	7	.	3	.	0		<a href="#">get it</a>	
	SP-06	7	.	4	.	0			
	SP-07 15/03/2000	7	.	5	.	0		<a href="#">get it</a>	
	SP-08 21/06/2000	7	.	6	.	0		<a href="#">get it</a>	
	SP-18	7	.	7	.	0			
<hr/>									
<b>TS 12.21</b>	<b>Network Management (NM) procedures and messages on the A-bis interface</b>								
R98	<i>current version: 7.0.0</i>			<i>WG (prime / other):</i> G3 / S5	<i>rapporteur:</i> TRUSS, Michael		MOTOROLA Ltd		
	<i>freeze_meeting: smg-29</i>			<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino				
	<i>history (event, available, version,</i>								
	GP-09 06/05/2002	7	.	0	.	0		<a href="#">get it</a>	<i>remarks - general: SP-13: S5-&gt;G3 but no change of rapporteur.</i>
									<i>remarks - this release: GP-09 (Usai) created to fill the Release gap.</i>

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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 01.02 General Description of a GSM Public Land Mobile Network (PLMN)

R97  
current version: 6.0.1  
freeze\_meeting: smg-26  
history (event, available, version,

WG (prime / other): S1 / GP / rapporteur: JORGENSEN, Niels H. TDC TELE DANMARK A/S  
NP  
G: yes U: MCC: CLAYTON, Michael

smg-27 12/01/2001 6 . 0 . 0  
edito 16/01/2001 6 . 0 . 1

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

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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)

<b>TR 01.04</b>	<b>Abbreviations and acronyms</b>								
R97	current version: 6.0.0	WG (prime / other):	GP / -	rapporteur:	CLAYTON, Michael	EMCOM Ltd			
	freeze_meeting: smg-26	G: yes	U:	MCC:	USAI, Paolino				
	history (event, available, version,								
	smg-27 15/11/2000 6 . 0 . 0							<a href="#">get it</a>	remarks - general: remarks - this release:
<b>TS 01.48</b>	<b>ISDN-based DECT/GSM interworking; Feasibility study</b>								
R97	current version: 6.0.1	WG (prime / other):	S1 / -	rapporteur:	GRAETZ, Ingeborg	SIEMENS AG			
	freeze_meeting: smg-26	G: yes	U:	MCC:	CLAYTON, Michael				
	history (event, available, version,								
	smg-27 01/12/2000 6 . 0 . 0							<a href="#">get it</a>	remarks - general:
	edito 16/01/2001 6 . 0 . 1							<a href="#">get it</a>	remarks - this release:
<b>TR 01.60</b>	<b>GPRS requirements</b>								
R97	current version: 6.0.0	WG (prime / other):	S1 / -	rapporteur:	CLAYTON, Michael	EMCOM Ltd			
	freeze_meeting: smg-26	G: yes	U:	MCC:	CLAYTON, Michael				
	history (event, available, version,								
	smg-25 20/03/1998 6 . 0 . 0							<a href="#">get it</a>	remarks - general: remarks - this release:
<b>TS 01.61</b>	<b>General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements</b>								
R97	current version: 6.0.1	WG (prime / other):	S3 / -	rapporteur:	WALKER, Michael	VODAFONE Group Plc			
	freeze_meeting: smg-26	G: yes	U:	MCC:	POPE, Maurice				
	history (event, available, version,								
	smg-25 20/03/1998 6 . 0 . 0							<a href="#">get it</a>	remarks - general:
	Editorial correction 20/03/1998 6 . 0 . 1							<a href="#">get it</a>	remarks - this release:

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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[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	<i>current version:</i> 6.2.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> KOKKOLA, Tommi	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-26	<i>G:</i> yes <i>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-28 12/02/1999 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	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	<i>current version:</i> 6.1.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CARPENTER, Paul	Research In Motion Limited		
	<i>freeze_meeting:</i> smg-26	<i>G:</i> yes <i>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-28 12/02/1999 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	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	<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:</i> yes <i>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 02.04</b>	<b>General on Supplementary Services</b>					
R97	<i>current version:</i> 6.1.1	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CARPENTER, Paul	Research In Motion Limited		
	<i>freeze_meeting:</i> smg-26	<i>G:</i> yes <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>			
	smg-28 12/02/1999 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-29 25/06/1999 6 . 1 . 1	<a href="#">get it</a>				

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<b>TS 02.06</b>	<b>Types of Mobile Stations (MS)</b>				
R97	current version: 6.1.1	WG (prime / other): S1 / -	rapporteur: JEAL, David	VODAFONE Group Plc	
	freeze_meeting: smg-26	G: yes U:	MCC: CLAYTON, Michael		
	history (event, available, version,				
	smg-27 16/10/1999 6 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	ETSI publication 26/05/1999 6 . 0 . 1	<a href="#">get it</a>	remarks - this release:		
	smg-28 12/02/1999 6 . 1 . 0	<a href="#">get it</a>			
	ETSI publication 04/08/1999 6 . 1 . 1	<a href="#">get it</a>			
<hr/>					
<b>TS 02.07</b>	<b>Mobile Station (MS) Features</b>				
R97	current version: 6.2.0	WG (prime / other): S1 / -	rapporteur: JEAL, David	VODAFONE Group Plc	
	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-26 20/06/1998 6 . 1 . 0	<a href="#">get it</a>	remarks - this release:		
	SP-07 17/03/2000 6 . 2 . 0	<a href="#">get it</a>			
<hr/>					
<b>TS 02.09</b>	<b>Security aspects</b>				
R97	current version: 6.1.1	WG (prime / other): S3 / S1 /	rapporteur: CHRISTOFFERSSON,	Telia Promotor AB	
	freeze_meeting: smg-26	NP	MCC: POPE, Maurice		
	history (event, available, version,	G: yes U:			
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	ETSI publication 26/05/1999 6 . 0 . 1	<a href="#">get it</a>	remarks - this release:		
	smg-31 16/02/2000 6 . 1 . 0	<a href="#">get it</a>			
	ETSI publication 29/08/2000 6 . 1 . 1	<a href="#">get it</a>			
<hr/>					
<b>TS 02.11</b>	<b>Service Accessibility</b>				
R97	current version: 6.1.0	WG (prime / other): S1 / -	rapporteur: EVEN, Anne	France Telecom	
	freeze_meeting: smg-26	G: yes U:	MCC: CLAYTON, Michael		
	history (event, available, version,				
	smg-26 26/06/1998 6 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	SP-11 02/04/2001 6 . 1 . 0	<a href="#">get it</a>	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>			
<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>		
<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>		
<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>		
<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> R97	<b>High Speed Circuit Switched Data (HSCSD); Stage 1</b> <i>current version:</i> 6.0.0 <i>freeze_meeting:</i> smg-26 <i>history (event, available, version,</i> smg-27 16/10/1998 6 . 0 . 0	<i>WG (prime / other):</i> S1 / <i>G: yes U:</i>	<i>rapporteur:</i> KOKKOLA, Tommi <i>MCC:</i> CLAYTON, Michael	NOKIA Corporation
		<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>	
<hr/>				
<b>TS 02.40</b> R97	<b>Procedures for Call Progress Indications</b> <i>current version:</i> 6.0.0 <i>freeze_meeting:</i> smg-26 <i>history (event, available, version,</i> smg-27 16/10/1998 6 . 0 . 0	<i>WG (prime / other):</i> S1 / NP <i>G: yes U:</i>	<i>rapporteur:</i> DWYER, Paul <i>MCC:</i> CLAYTON, Michael	NORTEL NETWORKS (EUROPE)
		<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>	
<hr/>				
<b>TS 02.41</b> R97	<b>Operator Determined Barring</b> <i>current version:</i> 6.0.0 <i>freeze_meeting:</i> smg-26 <i>history (event, available, version,</i> smg-27 16/10/1998 6 . 0 . 0	<i>WG (prime / other):</i> S1 / <i>G: yes U:</i>	<i>rapporteur:</i> ..., <i>MCC:</i> CLAYTON, Michael	BUNDESMINISTERIUM FUR WIRTSCHAFT
		<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>	
<hr/>				
<b>TS 02.42</b> R97	<b>Network Identity and Timezone (NITZ); Service Description, Stage 1</b> <i>current version:</i> 6.0.0 <i>freeze_meeting:</i> smg-26 <i>history (event, available, version,</i> smg-27 16/10/1998 6 . 0 . 0	<i>WG (prime / other):</i> S1 / <i>G: yes U:</i>	<i>rapporteur:</i> GILES, Les <i>MCC:</i> CLAYTON, Michael	Union Internationale des Chemins de Fer
		<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>	
<hr/>				
<b>TS 02.48</b> R97	<b>Security mechanisms for the SIM Application Toolkit; Stage 1</b> <i>current version:</i> 6.0.0 <i>freeze_meeting:</i> smg-26 <i>history (event, available, version,</i> smg-25 20/03/1998 6 . 0 . 0	<i>WG (prime / other):</i> T3 / S3 <i>G: yes U:</i>	<i>rapporteur:</i> BARNES, Nigel <i>MCC:</i> DIETZE, Claus	MOTOROLA Ltd
		<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:*  
[get it](#) *remarks - this release:* #25: 6.0.0 (5.x.y withdrawn) #26: 6.1.0 #28: 6.2.0 TSG#5 6.3.0  
[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:*  
[get it](#) *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 6 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	publish EN 300 01/09/1999 6 . 0 . 1	<a href="#">get it</a>	remarks - this release:		
<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 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		
<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 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>			
	SP-05 14/10/1999 6 . 4 . 0	<a href="#">get it</a>			
	SP-10 12/01/2001 6 . 5 . 0	<a href="#">get it</a>			
	SP-14 14/01/2002 6 . 6 . 0	<a href="#">get it</a>			
	SP-14 minor 17/01/2002 6 . 6 . 1	<a href="#">get it</a>			
	correction				
<hr/>					
<b>TS 02.79</b>	<b>Support of Optimal Routeing (SOR); Service definition (Stage 1)</b>				
R97	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 6 . 0 . 0	<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	current version: 6.0.0	WG (prime / other): S1 / -	rapporteur: BLOMSTRAND, Ola	TELIA AB	
	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: #27: 6.0.0
<hr/>					
<b>TS 02.82</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 1</b>				
R97	current version: 6.0.0	WG (prime / other): S1 / -	rapporteur: EVEN, Anne	France Telecom	
	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: #27: 6.0.0
<hr/>					
<b>TS 02.83</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1</b>				
R97	current version: 6.0.0	WG (prime / other): S1 / -	rapporteur: JORGENSEN, Niels H.	TDC TELE DANMARK A/S	
	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: #27: 6.0.0
<hr/>					
<b>TS 02.84</b>	<b>MultiParty (MPPTY) Supplementary Services; Stage 1</b>				
R97	current version: 6.0.0	WG (prime / other): S1 / -	rapporteur: POSTMANN, Erwin	SIEMENS AG	
	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: #27: 6.0.0
<hr/>					
<b>TS 02.85</b>	<b>Closed User Group (CUG) Supplementary Services; Stage 1</b>				
R97	current version: 6.0.0	WG (prime / other): S1 / -	rapporteur: BLOMSTRAND, Ola	TELIA AB	
	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: #27: 6.0.0

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<b>TS 02.86</b> R97	<b>Advice of Charge (AoC) Supplementary Services; Stage 1</b> 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 / - G: yes U:	rapporteur: CRAWFORD, Ian MCC: CLAYTON, Michael	VODAFONE Group Plc
		<a href="#">get it</a>	remarks - general: remarks - this release: #27: 6.0.0	
<b>TS 02.88</b> R97	<b>Call Barring (CB) Supplementary Services; Stage 1</b> 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 / - G: yes U:	rapporteur: CONRAD, Alan MCC: CLAYTON, Michael	T-MOBILE DEUTSCHLAND
		<a href="#">get it</a>	remarks - general: remarks - this release: #27: 6.0.0	
<b>TS 02.90</b> R97	<b>Unstructured Supplementary Service Data (USSD); Stage 1</b> 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 / - G: yes U:	rapporteur: SLOTTE, Sverre MCC: CLAYTON, Michael	NOKIA Corporation
		<a href="#">get it</a>	remarks - general: remarks - this release: #27: 6.0.0	
<b>TS 02.91</b> R97	<b>Explicit Call Transfer (ECT)</b> 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 / - G: yes U:	rapporteur: POSTMANN, Erwin MCC: CLAYTON, Michael	SIEMENS AG
		<a href="#">get it</a>	remarks - general: remarks - this release: #27: 6.0.0	
<b>TS 02.93</b> R97	<b>Completion of Calls to Busy Subscriber (CCBS) Service Description; Stage 1</b> 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): S1 / - G: yes U:	rapporteur: CLAYTON, Michael MCC: CLAYTON, Michael	EMCOM Ltd
		<a href="#">get it</a>	remarks - general: remarks - this release: #25: 6.0.0 (5.x.y withdrawn) #26: 6.0.1	

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<b>TS 02.95</b>	<b>Support of Private Numbering Plan (SPNP); Service description; Stage 1</b>								
R97	current version: 6.0.0	WG (prime / other):	S1 / -	rapporteur:	CLAYTON, Michael	EMCOM Ltd			
	freeze_meeting: smg-26	G: yes U:		MCC:	CLAYTON, Michael				
	history (event, available, version,								
	smg-27 15/10/1998 6 . 0 . 0	<a href="#">get it</a>		remarks - general:					
				remarks - this release:	#27: 6.0.0				
<hr/>									
<b>TS 02.96</b>	<b>Name Identification Supplementary Services; Stage 1</b>								
R97	current version: 6.0.1	WG (prime / other):	S1 / -	rapporteur:	GARAPATY, Sonia	Nortel Networks (USA)			
	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:					
	Editorial correction 20/04/1998 6 . 0 . 1	<a href="#">get it</a>		remarks - this release:	#25: 6.0.0 (5.0.0 withdrawn) #27: 6.0.1				
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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	current version: 6.1.0	WG (prime / other):	S2 / NP	rapporteur:	GAASVIK, Per-Ola	COMVIQ GSM AB			
	freeze_meeting: smg-26	G: yes U:		MCC:	SULTAN, Alain				
	history (event, available, version,								
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>		remarks - general:	SMG3->SA2 @ TSG#7				
	smg-28 12/02/1998 6 . 1 . 0	<a href="#">get it</a>		remarks - this release:	#27: 6.0.0 #28: 6.1.0				
<hr/>									
<b>TS 03.02</b>	<b>Network Architecture</b>								
R97	current version: 6.1.0	WG (prime / other):	S2 / NP /	rapporteur:	SULTAN, Alain	SOURCE COM			
	freeze_meeting: smg-26	G: yes U:	T2	MCC:	SULTAN, Alain				
	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				
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<b>TS 03.03</b>	<b>Numbering, Addressing and Identification</b>					
R97	<i>current version:</i> 6.7.0		<i>WG (prime / other):</i> N4 / T2	<i>rapporteur:</i> RUSSELL, Nick	VODAFONE Group Plc	
	<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:</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>		
	NP-05 14/10/1999 6 . 4 . 0			<a href="#">get it</a>		
	NP-07 17/03/2000 6 . 5 . 0			<a href="#">get it</a>		
	NP-08 28/06/2000 6 . 6 . 0			<a href="#">get it</a>		
	NP-16 26/06/2002 6 . 7 . 0	SA did not approve companion CRs to 02.16.		<a href="#">get it</a>		
<hr/>						
<b>TR 03.05</b>	<b>Technical performance objectives</b>					
R97	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> NP / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat	
	<i>freeze_meeting:</i> smg-26		<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David		
	<i>history (event, available, version,</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 03.07</b>	<b>Restoration Procedures</b>					
R97	<i>current version:</i> 6.2.0		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David	VODAFONE LTD	
	<i>freeze_meeting:</i> smg-26		<i>G: yes U:</i>	<i>MCC:</i> Chalmers 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:</i>	
	smg-29 25/06/1999 6 . 2 . 0			<a href="#">get it</a>		

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<b>TS 03.08</b>	<b>Organization of Subscriber Data</b>					
R97	<i>current version:</i> 6.5.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> BAUER, Rolf	ALCATEL SEL AG		
	<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:</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>				
	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>				

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<b>TS 03.09</b>	<b>Handover Procedures</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> FARHOUMAND,	Ericsson Incorporated		
	<i>freeze_meeting:</i> smg-26	G: yes U:	Rouzbeh			
	<i>history (event, available, version,</i>		<i>MCC:</i> JORGENSEN, Per Johan			
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> #27: 6.0.0			

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<b>TS 03.10</b>	<b>GSM Public Land Mobile Network (PLMN) Connection Types</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat		
	<i>freeze_meeting:</i> smg-26	G: yes U:	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version,</i>					
	smg-27 18/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i>			

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<b>TS 03.11</b>	<b>Technical Realization of Supplementary Services - General Aspects</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> HABERMANN, Steffen	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> smg-26	G: yes U:	<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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<b>TS 03.12</b>	<b>Location Re gistration Procedures</b>				
R97	current version: 6.0.0	WG (prime / other):	N4 / -	rapporteur:	KYMALAINEN, Kimmo
	freeze_meeting: smg-26	G: yes U:		MCC:	KYMALAINEN, Kimmo
	history (event, available, version,				SONERA Corporation
	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 03.13</b>	<b>Discontinuous Reception (DRX) in the GSM System</b>				
R97	current version: 6.0.0	WG (prime / other):	G1 / -	rapporteur:	USAI, Paolino
	freeze_meeting: smg-26	G: yes U:		MCC:	USAI, Paolino
	history (event, available, version,				Telecom Italia Lab S.p.A.
	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 03.14</b>	<b>Support of Dual Tone Multi-Frequency Signalling (DTMF) via the GSM System</b>				
R97	current version: 6.0.0	WG (prime / other):	N1 / -	rapporteur:	ZAUS, Robert
	freeze_meeting: smg-26	G: yes U:		MCC:	JORGENSEN, Per Johan
	history (event, available, version,				SIEMENS AG
	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 03.15</b>	<b>Technical Realization of Operator Determined Barring</b>				
R97	current version: 6.1.0	WG (prime / other):	N4 / -	rapporteur:	PARK, Ian David
	freeze_meeting: smg-26	G: yes U:		MCC:	Chalmers
	history (event, available, version,				KYMALAINEN, Kimmo
	smg-26 26/06/1998 6 . 0 . 0				VODAFONE LTD
	smg-29 25/06/1999 6 . 1 . 0				
		<a href="#">get it</a>		remarks - general:	
		<a href="#">get it</a>		remarks - this release: #26: 6.0.0 SMG#29: 6.1.0	

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## TS 03.16 Subscriber Data Management

R97 current version: 6.5.0

freeze\_meeting: smg-26

history (event, available, version,

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 SIEMENS AG

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

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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](#)

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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 / rapporteur: NGUYEN NGOC, France Telecom

G: yes U: GP MCC: Sebastien POPE, Maurice

[get it](#)

remarks - general:

[get it](#)

remarks - this release: #32:6.2.0 - evidently not!

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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 freeze_meeting: smg-26	WG (prime / other): G1 / N1	rapporteur: ANDERSEN, Niels Peter Skov USAI, Paolino	MOTOROLA A/S		
	history (event, available, version, smg-26 26/06/1998 6 . 0 . 0 smg-28 12/02/1999 6 . 1 . 0 smg-29 26/06/1999 6 . 2 . 0 SP-11 11/04/2001 6 . 3 . 0	G: yes U:	MCC: USAI, Paolino			
		<a href="#">get it</a>	remarks - general: Moved from SMG3 Jan 2000. Moved from G2 Mar 2001. 2001-07: title grows "and			
		<a href="#">get it</a>	remarks - this release: group receive mode".			
		<a href="#">get it</a>				
		<a href="#">get it</a>				
<b>TR 03.26</b>	<b>Multiband operation of GSM/DCS 1800 by a single operator</b>					
R97	current version: 6.0.0 freeze_meeting: smg-26	WG (prime / other): G1 / NP	rapporteur: ANDERSEN, Niels Peter Skov USAI, Paolino	MOTOROLA A/S		
	history (event, available, version, smg-27 16/10/1998 6 . 0 . 0	G: yes U:	MCC: USAI, Paolino			
		<a href="#">get it</a>	remarks - general:			
			remarks - this release:			
<b>TR 03.30</b>	<b>Radio Network Planning Aspects</b>					
R97	current version: 6.0.1 freeze_meeting: smg-26	WG (prime / other): GP / -	rapporteur: TEGTH, Ulf USAI, Paolino	TELIA AB		
	history (event, available, version, smg-26 26/06/1998 6 . 0 . 0 Editorial update 26/07/1998 6 . 0 . 1	G: yes U:	MCC: USAI, Paolino			
		<a href="#">get it</a>	remarks - general:			
		<a href="#">get it</a>	remarks - this release: #26: 6.0.0			
<b>TS 03.32</b>	<b>Universal Geographical Area Description (GAD)</b>					
R97	current version: 6.0.0 freeze_meeting: smg-26	WG (prime / other): S2 / -	rapporteur: SULTAN, Alain SULTAN, Alain	SOURCE COM		
	history (event, available, version, smg-27 16/10/1998 6 . 0 . 0	G: yes U:	MCC: SULTAN, Alain			
		<a href="#">get it</a>	remarks - general:			
			remarks - this release: #27: 6.0.0			
<b>TS 03.34</b>	<b>High Speed Circuit Switched Data (HSCSD); Stage 2</b>					
R97	current version: 6.0.0 freeze_meeting: smg-26	WG (prime / other): N1 / -	rapporteur: KOKKOLA, Tommi JORGENSEN, Per Johan	NOKIA Corporation		
	history (event, available, version, smg-27 16/10/1998 6 . 0 . 0	G: yes U:	MCC: JORGENSEN, Per Johan			
		<a href="#">get it</a>	remarks - general:			
			remarks - this release: #27: 6.0.0			

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<b>TS 03.38</b>	<b>Alphabets and language-specific information</b>								
R97	<i>current version:</i> 6.0.1		<i>WG (prime / other):</i> T2 / -		<i>rapporteur:</i> HARRIS, Ian		Teleca Limited		
	<i>freeze_meeting:</i> smg-26		<i>G: yes U:</i>		<i>MCC:</i> RODERMUND, Friedhelm				
	<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 03.40</b>	<b>Technical Realization of the Short Message Service (SMS) Point-to-poin (PP)</b>								
R97	<i>current version:</i> 6.2.0		<i>WG (prime / other):</i> T2 / -		<i>rapporteur:</i> HARRIS, Ian		Teleca Limited		
	<i>freeze_meeting:</i> smg-26		<i>G: yes U:</i>		<i>MCC:</i> RODERMUND, Friedhelm				
	<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: #23: 6D1.0 #24: 6D2.0</i>		
	TP-14 11/01/2002	6 . 2 . 0			<a href="#">get it</a>				
<hr/>									
<b>TS 03.41</b>	<b>Technical Realization of Short Message Service Cell Broadcast (SMSCB)</b>								
R97	<i>current version:</i> 6.1.0		<i>WG (prime / other):</i> T2 / -		<i>rapporteur:</i> HARRIS, Ian		Teleca Limited		
	<i>freeze_meeting:</i> smg-26		<i>G: yes U:</i>		<i>MCC:</i> RODERMUND, Friedhelm				
	<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>		
<hr/>									
<b>TS 03.42</b>	<b>SMS Compression</b>								
R97	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> T2 / -		<i>rapporteur:</i> HARRIS, Ian		Teleca Limited		
	<i>freeze_meeting:</i> smg-26		<i>G: yes U:</i>		<i>MCC:</i> RODERMUND, Friedhelm				
	<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>TR 03.43</b>	<b>Support of Videotex</b>								
R97	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> T2 / -		<i>rapporteur:</i> DI TRIA, Paolo		Telecom Italia Lab S.p.A.		
	<i>freeze_meeting:</i> smg-26		<i>G: yes U:</i>		<i>MCC:</i> RODERMUND, Friedhelm				
	<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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G = required in systems with GERAN acces; U = required in systems with UMTS

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<b>TR 03.44</b>	<b>Support of Teletex in a GSM Public Land Mobile Network (PLMN)</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> RODERMUND,	Vodafone D2 GmbH		
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC:	RODERMUND, Friedhelm		
	<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 03.45</b>	<b>Technical Realization of Facsimile Group 3 Service - transparent</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat		
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC:	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>
	Editorial correction 16/10/1998 6 . 0 . 1				<a href="#">get it</a>	<i>remarks - this release:</i>
<hr/>						
<b>TS 03.46</b>	<b>Technical Realization of Facsimile Group 3 Service - non transparent</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat		
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC:	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> <i>remarks - this release:</i>
<hr/>						
<b>TR 03.47</b>	<b>Example Protocol Stacks for Interconnecting Service Centre(s) (SC) and Mobile Services Switching Centre(s) (MSC)</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> RODERMUND,	Vodafone D2 GmbH		
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC:	RODERMUND, Friedhelm		
	<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 03.48</b>	<b>Security mechanisms for SIM application toolkit; Stage 2</b>					
R97	<i>current version:</i> 6.2.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> BARNES, Nigel	MOTOROLA Ltd		
	<i>freeze_meeting:</i> smg-26	G: yes U:	MCC:	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
	smg-26 26/06/1998 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>	

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<b>TR 03.49</b>	<b>Example protocol stacks for interconnecting Cell Broadcast Centre (CBC) and Base Station Controller (BSC)</b>				
R97	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> RODERMUND,	Vodafone D2 GmbH	
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> RODERMUND, Friedhelm		
	<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>	
<hr/>					
<b>TS 03.50</b>	<b>Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System</b>				
R97	<i>current version:</i> 6.2.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	Telecom Italia Lab 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>	
	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 #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	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat	
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David		
	<i>history (event, available, version,</i>				
	smg-27 16/10/1998 6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
				<i>remarks - this release:</i> #27: 6.0.0	
<hr/>					
<b>TR 03.58</b>	<b>Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)</b>				
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> MONFORT, Jean-Yves	France Telecom	
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<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> #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:* DELECKI, Andrew MOTOROLA Ltd  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* SULTAN, Alain

*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	<i>current version:</i> 6.4.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> LEPPISAARI, Arto	NOKIA Corporation	
	<i>freeze_meeting:</i> smg-26	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> USAI, Paolino		
	<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 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>		
	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 Preemption Service (EMLPP); Stage 2</b>				
R97	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> SCHMITT, Peter	SIEMENS AG	
	<i>freeze_meeting:</i> smg-26	<i>G:</i> yes <i>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>		
	NP-07 17/03/2000 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
<hr/>					
<b>TS 03.68</b>	<b>Voice Group Call Service (VGCS); Stage 2</b>				
R97	<i>current version:</i> 6.3.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)	
	<i>freeze_meeting:</i> smg-26	<i>G:</i> yes <i>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> #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	<i>current version:</i> 6.3.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> MÜNNING, Dirk	DETECON GMBH	
	<i>freeze_meeting:</i> smg-26	<i>G:</i> yes <i>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> #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:

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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	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	SONERA Corporation	
	<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 03.82</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 2</b>				
R97	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	SONERA Corporation	
	<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>		
	smg-29 25/06/1999 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0 #29: 6.1.0</i>		
<hr/>					
<b>TS 03.83</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 2</b>				
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> SHARP, Iain	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</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 03.84</b>	<b>Multi Party (MPTY) Supplementary Services; Stage 2</b>				
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> HABERMANN, Steffen	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<i>history (event, available, version,</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 03.85</b>	<b>Closed user Group (CUG) Supplementary Services; Stage 2</b>				
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	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>		
			<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 03.86</b>	<b>Advice of Charge (AoC) Supplementary Services; Stage 2</b>					
R97	current version: 6.0.1	WG (prime / other):	N4 / -	rapporteur:	WIEHE, Ulrich	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:		
	Editorial correction 16/11/1998 6 . 0 . 1	<a href="#">get it</a>		remarks - this release: #27: 6.0.0		
<hr/>						
<b>TS 03.88</b>	<b>Call Barring (CB) supplementary services; Stage 2</b>					
R97	current version: 6.0.0	WG (prime / other):	N4 / -	rapporteur:	WIEHE, Ulrich	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:		
				remarks - this release: #27: 6.0.0		
<hr/>						
<b>TS 03.90</b>	<b>Unstructured Supplementary Service Data (USSD)</b>					
R97	current version: 6.0.0	WG (prime / other):	N4 / -	rapporteur:	CHOTAI, Sunil	mmO2 plc
	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 03.91</b>	<b>Explicit Call Transfer (ECT) Supplementary Service; Stage 2</b>					
R97	current version: 6.0.0	WG (prime / other):	N4 / -	rapporteur:	WIEHE, Ulrich	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:		
				remarks - this release: #27: 6.0.0		
<hr/>						
<b>TS 03.93</b>	<b>Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2</b>					
R97	current version: 6.2.0	WG (prime / other):	N4 / -	rapporteur:	WIEHE, Ulrich	SIEMENS 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: #25: 6.0.0 #26: 6.1.0 #27: 6.2.0		
	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 SIEMENS AG  
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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<b>TS 04.04</b>	<b>Layer 1 - General Requirements</b>					
R97	current version: 6.0.0	WG (prime / other):	G2 / -	rapporteur:	ISAACS, Ken	SIEMENS AG
	freeze_meeting: smg-26	G: yes U:		MCC:	THOMASEN, Gert	
	history (event, available, version,					
	smg-25 20/03/1998 6 . 0 . 0	<a href="#">get it</a>		remarks - general:		
				remarks - this release:		
<hr/>						
<b>TS 04.05</b>	<b>Data Link (DL) Layer General Aspects</b>					
R97	current version: 6.0.1	WG (prime / other):	G2 / -	rapporteur:	ANDERSEN, Niels	MOTOROLA A/S
	freeze_meeting: smg-26	G: yes U:		MCC:	Peter Skov THOMASEN, Gert	
	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:		
<hr/>						
<b>TS 04.06</b>	<b>Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification</b>					
R97	current version: 6.2.1	WG (prime / other):	G2 / -	rapporteur:	ANDERSEN, Niels	MOTOROLA A/S
	freeze_meeting: smg-26	G: yes U:		MCC:	Peter Skov THOMASEN, Gert	
	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-29 25/06/1999 6 . 1 . 0	<a href="#">get it</a>				
	ETSI publication 14/12/1999 6 . 1 . 1	<a href="#">get it</a>				
	smg-31 16/02/2000 6 . 2 . 0	<a href="#">get it</a>				
	ETSI publication 29/09/2000 6 . 2 . 1	<a href="#">get it</a>				

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## TS 04.07 Mobile Radio Interface Signalling Layer 3 - General Aspects

R97	current version: 6.5.1	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-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>		
ETSI publication	04/12/1998	6 . 2 . 1		<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 13/10/1999	6 . 5 . 0		<a href="#">get it</a>		
Editorial correction	13/11/1999	6 . 5 . 1		<a href="#">get it</a>		

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## TS 04.08 Mobile radio interface layer 3 specification

R97 current version: 6.20.0  
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-30 bis 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-31 bis 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	6 . 20 . 0	

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<b>TS 04.10</b>	<b>Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects</b>								
R97	<i>current version:</i> 6.0.1		<i>WG (prime / other):</i> N4 / -		<i>rapporteur:</i> ANDERSEN, Niels		MOTOROLA A/S		
	<i>freeze_meeting:</i> smg-26				Peter Skov				
	<i>history (event, available, version,</i>		<i>G: yes U:</i>		<i>MCC:</i> KYMALAINEN, Kimmo				
	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>
<hr/>									
<b>TS 04.11</b>	<b>Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface</b>								
R97	<i>current version:</i> 6.1.0		<i>WG (prime / other):</i> N1 / -		<i>rapporteur:</i> NOBUYUKI, Uda		NTT COMWARE Corporation		
	<i>freeze_meeting:</i> smg-26				<i>MCC:</i> JORGENSEN, Per Johan				
	<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>
	Editorial correction 20/04/1998 6 . 0 . 1							<a href="#">get it</a>	<i>remarks - this release:</i>
	NP-09 12/10/2000 6 . 1 . 0							<a href="#">get it</a>	
<hr/>									
<b>TS 04.12</b>	<b>Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface</b>								
R97	<i>current version:</i> 6.0.1		<i>WG (prime / other):</i> G2 / T2		<i>rapporteur:</i> ANDERSEN, Niels		MOTOROLA A/S		
	<i>freeze_meeting:</i> smg-26				Peter Skov				
	<i>history (event, available, version,</i>		<i>G: yes U:</i>		<i>MCC:</i> THOMASEN, Gert				
	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 04.13</b>	<b>Performance Requirements on Mobile Radio Interface</b>								
R97	<i>current version:</i> 6.0.1		<i>WG (prime / other):</i> N1 / -		<i>rapporteur:</i> PUDNEY, Chris		VODAFONE Group Plc		
	<i>freeze_meeting:</i> smg-26				<i>MCC:</i> JORGENSEN, Per Johan				
	<i>history (event, available, version,</i>		<i>G: yes U:</i>						
	smg-27 16/10/1998 6 . 0 . 0							<a href="#">get it</a>	<i>remarks - general:</i>
	Editorial correction 16/10/1998 6 . 0 . 1							<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0</i>

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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	<a href="#">get it</a>	Misplaced figure, clause 5.3.1.			
<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: #27: 6.0.0 TSG#8:6.1.0</i>			
<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: #26: 6.0.0 #27: 6.1.0 TSG#6: 6.2.0</i>			
	NP-06 17/12/1999 6 . 2 . 0	<a href="#">get it</a>				

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**TS 04.60 General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol**

R97 *current version:* 6.14.0 *WG (prime / other):* G2 / - *rapporteur:* BLACK, Jyoti MOTOROLA  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* THOMASEN, Gert

*history (event, available, version,*

draft	20/12/1997	0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>
draft	20/03/1998	1 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>
draft	20/03/1998	2 . 0 . 0	<a href="#">get it</a>	
smg-25	20/03/1998	6 . 0 . 0	<a href="#">get it</a>	
smg-26	26/06/1998	6 . 1 . 0	<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 publication	14/06/1999	6 . 3 . 1	<a href="#">get it</a>	
smg-29	25/06/1999	6 . 4 . 0	<a href="#">get it</a>	
ETSI publication	16/12/1999	6 . 4 . 1	<a href="#">get it</a>	
smg-30	11/11/1999	6 . 5 . 0	<a href="#">get it</a>	
smg-30 bis	06/12/1999	6 . 6 . 0	<a href="#">get it</a>	
ETSI publication	05/07/2000	6 . 6 . 1	<a href="#">get it</a>	
smg-31	16/02/2000	6 . 7 . 0	<a href="#">get it</a>	
ETSI publication	29/09/2000	6 . 7 . 1	<a href="#">get it</a>	
smg-31 bis	17/04/2000	6 . 8 . 0	<a href="#">get it</a>	
ETSI publication	17/10/2000	6 . 8 . 1	<a href="#">get it</a>	
smg-32	20/06/2000	6 . 9 . 0	<a href="#">get it</a>	
GP-01	11/10/2000	6 . 10 . 0	<a href="#">get it</a>	
GP-02	27/11/2000	6 . 11 . 0	<a href="#">get it</a>	
GP-03	31/01/2001	6 . 12 . 0	<a href="#">get it</a>	
GP-04	04/05/2001	6 . 13 . 0	<a href="#">get it</a>	
GP-10	19/07/2002	6 . 14 . 0	<a href="#">get it</a>	

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**TS 04.63 Packet Data on Signalling channels Service (PDS) Service Description, Stage 3**

R97 *current version:* 6.0.0 *WG (prime / other):* N1 / - *rapporteur:* JACOB SOHN, 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 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> SALKINTZIS, Apostolis	MOTOROLA GmbH
	<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> SALKINTZIS, Apostolis	MOTOROLA GmbH
	<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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<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>			
<hr/>					
<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>			
<hr/>					
<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 SIEMENS 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-28 12/02/1999 6 . 1 . 1	<a href="#">get it</a>			
<hr/>					
<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 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:	
	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 04.82</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 3</b>					
R97	current version: 6.0.1	WG (prime / other):	N4 / -	rapporteur:	WIEHE, Ulrich	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:		
	Editorial correction 16/11/1998 6 . 0 . 1	<a href="#">get it</a>		remarks - this release: #27: 6.0.0		
<hr/>						
<b>TS 04.83</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 3</b>					
R97	current version: 6.0.1	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:		
	Editorial correction 16/11/1998 6 . 0 . 1	<a href="#">get it</a>		remarks - this release: #27: 6.0.0		
<hr/>						
<b>TS 04.84</b>	<b>Multi Party (MPTY) Supplementary Services; Stage 3</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 04.85</b>	<b>Closed User Group (CUG) Supplementary Services; Stage 3</b>					
R97	current version: 6.0.0	WG (prime / other):	N4 / -	rapporteur:	WIEHE, Ulrich	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:		
				remarks - this release: #27: 6.0.0		
<hr/>						
<b>TS 04.86</b>	<b>Advice of Charge (AoC) Supplementary Services; Stage 3</b>					
R97	current version: 6.0.1	WG (prime / other):	N4 / -	rapporteur:	WIEHE, Ulrich	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:		
	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 04.88</b>	<b>Call Barring (CB) Supplementary Services; Stage 3</b>					
R97	current version: 6.0.1	WG (prime / other):	N4 / -	rapporteur:	WIEHE, Ulrich	SIEMENS 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:		
	Editorial correction 20/04/1998 6 . 0 . 1	<a href="#">get it</a>		remarks - this release: #25: 6.0.0		
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<b>TS 04.90</b>	<b>Unstructured Supplementary Service Data (USSD)</b>					
R97	current version: 6.0.1	WG (prime / other):	N4 / -	rapporteur:	KYMALAINEN, Kimmo	SONERA Corporation
	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		
<hr/>						
<b>TS 04.91</b>	<b>Explicit Call Transfer (ECT) Supplementary Service; Stage 3</b>					
R97	current version: 6.0.1	WG (prime / other):	N4 / -	rapporteur:	WIEHE, Ulrich	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:		
	<to be defined> 16/11/1998 6 . 0 . 1	<a href="#">get it</a>		remarks - this release: #27: 6.0.0		
<hr/>						
<b>TS 04.93</b>	<b>Completion of Calls to Busy Subscriber (CCBS); Stage 3</b>					
R97	current version: 6.1.1	WG (prime / other):	N4 / -	rapporteur:	WIEHE, Ulrich	SIEMENS 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: #25: 6.0.0 #26: 6.1.0 #28:6.1.1		
	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	current version: 6.0.1	WG (prime / other):	N4 / -	rapporteur:	WIEHE, Ulrich	SIEMENS 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:		
	Editorial correction 20/04/1998 6 . 0 . 1	<a href="#">get it</a>		remarks - this release: #24: 5.0.0 #25: 6.0.0 (5.0.0 withdrawn)		

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R97 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)

R97 *current version:* 6.1.1 *WG (prime / other):* G1 / - *rapporteur:* JOKINEN, Harri NOKIA MOBILE PHONES  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version,*  
smg-24 19/12/1997 6 . 0 . 0 [get it](#) *remarks - general:*  
smg-25 20/03/1998 6 . 1 . 0 [get it](#) *remarks - this release:*  
ETSI Publication 20/04/1998 6 . 1 . 1 [get it](#)

## TS 05.02 Multiplexing and Multiple Access on the Radio Path

R97 *current version:* 6.10.0 *WG (prime / other):* G1 / - *rapporteur:* SÉBIRE, Benoist NOKIA Corporation  
*freeze\_meeting:* smg-26 *G: yes U:* *MCC:* USAI, Paolino  
*history (event, available, version,*  
smg-24 19/12/1997 6 . 0 . 0 [get it](#) *remarks - general:*  
smg-25 20/03/1998 6 . 1 . 0 [get it](#) *remarks - this release:*  
smg-26 26/06/1998 6 . 2 . 0 [get it](#)  
smg-27 16/10/1998 6 . 3 . 0 [get it](#)  
ETSI publication 09/03/1999 6 . 3 . 1 [get it](#)  
smg-28 12/02/1999 6 . 4 . 0 [get it](#)  
ETSI publication 04/08/1999 6 . 4 . 1 [get it](#)  
smg-29 25/06/1999 6 . 5 . 0 [get it](#)  
smg-30 11/11/1999 6 . 6 . 0 [get it](#)  
smg-30 bis 06/12/1999 6 . 7 . 0 [get it](#)  
ETSI publication 17/07/2000 6 . 7 . 1 [get it](#)  
smg-31 16/02/2000 6 . 8 . 0 [get it](#)  
ETSI publication 29/09/2000 6 . 8 . 1 [get it](#)  
smg-31 bis 17/04/2000 6 . 9 . 0 [get it](#)  
ETSI publication 17/10/2000 6 . 9 . 1 [get it](#)  
edito 02/05/2001 6 . 9 . 2 [get it](#)  
GP-06 01/10/2001 6 . 10 . 0 [get it](#)

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<b>TS 05.03</b>	<b>Channel coding</b>								
R97	<i>current version:</i> 6.2.1								
	<i>freeze_meeting:</i> smg-26								
	<i>history (event, available, version,</i>								
	smg-24 19/12/1997	6	.	0	.	0			
	smg-25 20/03/1998	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> #24: 6.0.0 #25: 6.1.0 #28: 6.2.0
	ETSI Publication 12/03/1999	6	.	2	.	1		<a href="#">get it</a>	
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<b>TS 05.04</b>	<b>Modulation</b>								
R97	<i>current version:</i> 6.1.1								
	<i>freeze_meeting:</i> smg-26								
	<i>history (event, available, version,</i>								
	smg-27 16/10/1998	6	.	0	.	0			
	ETSI publication 09/02/1999	6	.	0	.	1		<a href="#">get it</a>	<i>remarks - general:</i>
	smg-30 bis 06/12/1999	6	.	1	.	0		<a href="#">get it</a>	<i>remarks - this release:</i>
	ETSI publication 20/06/2000	6	.	1	.	1		<a href="#">get it</a>	
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<b>TS 05.05</b>	<b>Radio Transmission and Reception</b>								
R97	<i>current version:</i> 6.8.0								
	<i>freeze_meeting:</i> smg-26								
	<i>history (event, available, version,</i>								
	smg-24 19/12/1997	6	.	0	.	0			
	smg-25 20/03/1998	6	.	1	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
	smg-26 26/06/1998	6	.	2	.	0		<a href="#">get it</a>	<i>remarks - this release:</i>
	smg-27 16/10/1998	6	.	3	.	0		<a href="#">get it</a>	
	ETSI publication 09/03/1999	6	.	3	.	1		<a href="#">get it</a>	
	smg-28 12/02/1999	6	.	4	.	0		<a href="#">get it</a>	
	ETSI publication 04/06/1999	6	.	4	.	1		<a href="#">get it</a>	
	smg-29 25/06/1999	6	.	5	.	0		<a href="#">get it</a>	
	ETSI publication 14/12/1999	6	.	5	.	1		<a href="#">get it</a>	
	smg-30 11/11/1999	6	.	6	.	0		<a href="#">get it</a>	
	smg-31 16/02/2000	6	.	7	.	0		<a href="#">get it</a>	
	ETSI publication 29/09/2000	6	.	7	.	1		<a href="#">get it</a>	
	GP-01 09/10/2000	6	.	8	.	0		<a href="#">get it</a>	

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## TS 05.08 Radio Subsystem Link Control

R97 current version: 6.9.0

freeze\_meeting: smg-26

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-30 bis	06/12/1999	6	.	7	.	0
edito	01/02/2000	6	.	7	.	1
smg-31 bis	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

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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

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<b>TS 05.14</b>	<b>Release independent frequency bands; Implementation guidelines</b>				
R97	<i>current version:</i> 6.2.0	<i>WG (prime / other):</i> G1 / G2	<i>rapporteur:</i> KANGAS, Antti	NOKIA Corporation	
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	GP-02 05/01/2001 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	Originally allocated as 09.20. Changed by request of GERAN chair 2000-11-09.	
	GP-05 03/01/2002 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	Originally allocated as 09.20. Changed by request of GERAN chair 2000-11-09.	
Changed from G2 to G1 at same time.					
	GP-10 19/07/2002 6 . 2 . 0	<a href="#">get it</a>		R97 record created at same time (originally was only R99 and R98).	
<hr/>					
<b>TR 05.22</b>	<b>Radio link management in hierarchical networks</b>				
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> VAN BUSSEL, Han	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> smg-26	<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:</i> #27: 6.0.0		
<hr/>					
<b>TR 05.50</b>	<b>Background for RF Requirements</b>				
R97	<i>current version:</i> 6.1.0	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	Peter Skov		
	<i>history (event, available, version,</i>		<i>MCC:</i> USAI, Paolino		
	smg-24 19/12/1997 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
	smg-31 16/02/2000 6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #24: 6.0.0 #31:6.1.0		
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<b>TR 05.90</b>	<b>GSM Electromagnetic Compatibility (EMC) considerations</b>				
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> USAI, Paolino	Telecom Italia Lab 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 10/04/2001 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
ETSI publication	12/11/2001 6 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #27: 6.0.0 Withdrawn, since never created. 2001-01-31: GERAN convenor asks for its re-instatement.		

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R97

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	current version: 6.0.1	WG (prime / other):	S4 / -	rapporteur:	USAI, Paolino	Telecom Italia Lab 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:		
<hr/>						
<b>TS 06.02</b>	<b>Half Rate Speech Processing Functions</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		
<hr/>						
<b>TS 06.06</b>	<b>Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec</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		
<hr/>						
<b>TS 06.07</b>	<b>Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec</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		
<hr/>						
<b>TR 06.08</b>	<b>Half Rate Speech; Performance Characterization of the GSM Half Rate 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 06.10</b>	<b>Full Rate Speech Transcoding</b>					
R97	current version: 6.2.0	WG (prime / other): S4 / -	rapporteur: LORENZ, Dietmar	PHILIPS Semiconductors		
	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-32 20/06/2000 6 . 1 . 0	<a href="#">get it</a>	remarks - this release:			
	ETSI Publication 30/11/2000 6 . 1 . 1	<a href="#">get it</a>				
	SP-12 29/06/2001 6 . 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>					
R97	current version: 6.0.1	WG (prime / other): S4 / -	rapporteur: NAVARRO, William	NORTEL NETWORKS (EUROPE)		
	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			
<b>TS 06.12</b>	<b>Comfort Noise Aspects for Full Rate Speech Traffic Channels</b>					
R97	current version: 6.1.0	WG (prime / other): S4 / -	rapporteur: SERENO, Daniele	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			
	SP-12 29/06/2001 6 . 1 . 0	<a href="#">get it</a>				
<b>TS 06.20</b>	<b>Half Rate Speech Transcoding</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:			
	Editorial correction 16/11/1998 6 . 0 . 1	<a href="#">get it</a>	remarks - this release: #27: 6.0.0			
<b>TS 06.21</b>	<b>Half rate speech; Substitution and muting of lost frames 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 06.22</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
	freeze_meeting: smg-26	G: yes	U:	MCC:	USAI, Paolino
	history (event, available, version,				MOTOROLA Ltd
	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
	freeze_meeting: smg-26	G: yes	U:	MCC:	USAI, Paolino
	history (event, available, version,				Telecom Italia Lab S.p.A.
	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
	freeze_meeting: smg-26	G: yes	U:	MCC:	USAI, Paolino
	history (event, available, version,				Indicate persons who left Company and wait for new One
	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
	freeze_meeting: smg-26	G: yes	U:	MCC:	USAI, Paolino
	history (event, available, version,				Telecom Italia Lab S.p.A.
	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
	freeze_meeting: smg-26	G: yes	U:	MCC:	USAI, Paolino
	history (event, available, version,				Indicate persons who left Company and wait for new One
	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	<i>current version:</i> 6.2.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication 04/06/1999 6 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #27: 6.0.0 #32:6.1.0 TSG#10:6.2.0</i>			
	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>				
<hr/>						
<b>TS 06.53</b>	<b>ANSI-C code for the GSM Enhanced Full Rate (EFR) speech codec</b>					
R97	<i>current version:</i> 6.0.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</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 06.54</b>	<b>Test sequences for the GSM Enhanced Full Rate (EFR)</b>					
R97	<i>current version:</i> 6.2.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	smg-27 16/10/1998 6 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication 01/09/1999 6 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
	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>				
<hr/>						
<b>TR 06.55</b>	<b>Performance characterisation of the GSM EFR Speech Codec</b>					
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SALEM, Tarek	T-MOBILE DEUTSCHLAND		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</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 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			
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<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 Lab 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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R97 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)**  
R97 *current version:* 6.1.0 *WG (prime / other):* N3 / - *rapporteur:* WIJK, Rune Werner 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:* WIJK, Rune Werner 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:* WIJK, Rune Werner 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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<b>TS 07.05</b>	<b>Use of Data Terminal Equipment - Data Circuit Terminating Equipment (DTE-DCE) Interface for Short Message Services (SMS) and Cell Broadcast Services (CBS)</b>								
R97	<i>current version:</i> 6.0.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Teleca Limited					
	<i>freeze_meeting:</i> smg-26	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> RODERMUND, Friedhelm						
	<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 07.07</b>	<b>AT Command set for GSM Mobile Equipment (ME)</b>								
R97	<i>current version:</i> 6.5.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> TOMÉ, Olga	Telefon AB LM Ericsson					
	<i>freeze_meeting:</i> smg-26	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> RODERMUND, Friedhelm						
	<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-29 25/06/1999 6 . 3 . 0					<a href="#">get it</a>			
	TP-05 08/10/1999 6 . 4 . 0					<a href="#">get it</a>			
	TP-11 06/04/2001 6 . 5 . 0					<a href="#">get it</a>			
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<b>TS 07.10</b>	<b>Terminal Equipment to Mobile Station (TEMS) multiplexer protocol</b>								
R97	<i>current version:</i> 6.5.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> BROOK, Richard	SAMSUNG Electronics Research Institute					
	<i>freeze_meeting:</i> smg-26	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> RODERMUND, Friedhelm						
	<i>history (event, available, version,</i>								
	smg-24 19/01/1998 2 . 0 . 0					<a href="#">get it</a>	<i>remarks - general:</i>		
	draft 10/03/1998 2 . 2 . 0					<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-25 20/03/1998 6 . 0 . 0					<a href="#">get it</a>			
	smg-26 26/06/1998 6 . 1 . 0					<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>			
	TP-05 08/10/1999 6 . 4 . 0					<a href="#">get it</a>			
	TP-15 26/03/2002 6 . 5 . 0					<a href="#">get it</a>			

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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  
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NP-06 15/12/1999 6 . 5 . 0

[get it](#)

*remarks - general:*

[get it](#)

*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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R97

08 .- series

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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

[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**

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

[get it](#)

*remarks - general:*

*remarks - this release:*

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<b>TS 08.04</b>	<b>Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification</b>				
R97	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-26	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	history (event, available, version, smg-31 bis 17/04/2000 6 . 5 . 0	G: yes U:	MCC: THOMASEN, Gert		<a href="#">get it</a> remarks - general: remarks - this release:
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<b>TS 08.14</b>	<b>General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1</b>				
R97	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	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels	MOTOROLA A/S	
	freeze_meeting: smg-26		Peter Skov		
		G: yes U:	MCC: THOMASEN, Gert		
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	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	WG (prime / other): G2 / -	rapporteur: BLACK, Jyoti	MOTOROLA	
	freeze_meeting: smg-26		MCC: THOMASEN, Gert		
	history (event, available, version,				
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	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	WG (prime / other): N3 / -	rapporteur: RÄSÄNEN, Juha	NOKIA Corporation	
	freeze_meeting: smg-26		MCC: BOSWARTHICK, David		
	history (event, available, version,				
	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 Transceiver Station (BSC-BTS) Interface General Aspects</b>				
R97	current version: 6.0.0	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels	MOTOROLA A/S	
	freeze_meeting: smg-26		Peter Skov		
		G: yes U:	MCC: THOMASEN, Gert		
	history (event, available, version,				
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			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		
		G: yes U:	MCC: THOMASEN, Gert			
	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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<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		
		G: yes U:	MCC: THOMASEN, Gert			
	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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<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		
		G: yes U:	MCC: THOMASEN, Gert			
	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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<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		
		G: yes U:	MCC: THOMASEN, Gert			
	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	<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: #25: 6.0.0 #28: 6.1.0 #29: 6.2.0 #30: 6.3.0			

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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**  
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 SONERA Corporation  
*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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<b>TS 09.02</b>	<b>Mobile Application Part (MAP) Specification</b>						
R97	<i>current version:</i> 6.12.0		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich		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-25 20/03/1998	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> CN->N4 Apr00 (JMM)		
	smg-26 26/06/1998	6 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>		
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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-06 15/12/1999	6 . 6 . 0		<a href="#">get it</a>			
	NP-07 15/03/2000	6 . 7 . 0		<a href="#">get it</a>			
	NP-08 21/06/2000	6 . 8 . 0		<a href="#">get it</a>			
	NP-09 08/11/2000	6 . 9 . 0		<a href="#">get it</a>			
	NP-10 21/12/2000	6 . 10 . 0		<a href="#">get it</a>			
	NP-11 06/04/2001	6 . 11 . 0		<a href="#">get it</a>			
	NP-15 04/04/2002	6 . 12 . 0		<a href="#">get it</a>			

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<b>TS 09.03</b>	<b>Signalling Requirements on Interworking between the Intergrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) and the Public Land Mobile Network (PLMN)</b>						
R97	<i>current version:</i> Network (PLMN)	6.0.0	<i>WG (prime / other):</i> N3	<i>rapporteur:</i> BOSWARTHICK, David		BOSWARTHICK, David	
	ETSI Secretariat						
	<i>freeze_meeting:</i> smg-26		<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version,</i>						
	smg-27 16/10/1998	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> N3: "no R99 needed".		
					<i>remarks - this release:</i> #27: 6.0.0		

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<b>TS 09.04</b>	<b>Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)</b>						
R97	<i>current version:</i> 6.0.0		<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David		ETSI Secretariat	
	<i>freeze_meeting:</i> smg-26		<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David			
	<i>history (event, available, version,</i>						
	smg-27 16/10/1998	6 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> N3: "no R99 needed".		
					<i>remarks - this release:</i> #27: 6.0.0		

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<b>TS 09.05</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: <b>Switched Data Transmission Services</b>	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 09.07</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: <b>Network (PSTN)</b>	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> <a href="#">get it</a> <a href="#">get it</a>	remarks - general: remarks - this release: #27: 6.0.0 #29: 6.1.0 N#6: 6.2.0	
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<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, Rouzbeh	Ericsson Incorporated			
	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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<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			
	SONERA Corporation									
	<i>freeze_meeting: smg-26</i>		G: yes	U:		MCC:	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-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	SIEMENS AG		
	<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>			

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<b>TS 09.13</b>	<b>Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols</b>									
R97	<i>current version: 6.0.0</i>		WG (prime / other):	N4	/-	<i>rapporteur:</i>	WIEHE, Ulrich	SIEMENS AG		
	<i>freeze_meeting: smg-26</i>		G: yes	U:		MCC:	KYMALAINEN, Kimmo			
	<i>history (event, available, version,</i>									
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							<i>remarks - this release:</i>			

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<b>TS 09.16</b>	<b>General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface network service specification</b>									
R97	<i>current version: 6.1.0</i>		WG (prime / other):	N1	/-	<i>rapporteur:</i>	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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[http://www.3gpp.org/ftp/Specs/archive/09\\_series](http://www.3gpp.org/ftp/Specs/archive/09_series)

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<b>TS 09.18</b>	<b>General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification</b>				
R97	<i>current version:</i> 6.7.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> MILLS, Duncan	VODAFONE Group Plc	
	<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 20/02/1998	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>		
	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>		
<hr/>					
<b>TS 09.60</b>	<b>General Packet Radio Service (GPRS); GPRS Tunneling Protocol (GTP) across the Gn and Gp Interface</b>				
R97	<i>current version:</i> 6.13.0	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	SONERA Corporation	
	<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:</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>		
	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>		
	make figures visible 09/08/2001	6 . 10 . 1	<a href="#">get it</a>		
	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	6 . 13 . 0			

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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: 6.9.0	WG (prime / other):	N3 / -	rapporteur:	WILD, Johanna	MOTOROLA Ltd				
	freeze_meeting: smg-26	G: yes U:		MCC:	BOSWARTHICK, David					
<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		6 . 1 . 0		<i>remarks - this release:</i>					
	smg-26 ((6.1.0	26/06/1998	6 . 2 . 0	<a href="#">get it</a>						
	withdrawn due to									
	WORD com									
	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		6 . 9 . 0							
<hr/>										
<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					
<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>						
	NP-08	21/06/2000	6 . 5 . 0	<a href="#">get it</a>						
<hr/>										
<b>TR 09.94</b>	<b>Recommended infrastructure measures to overcome specific Mobile Station (MS) faults</b>									
R97	current version: 6.1.0	WG (prime / other):	N1 / -	rapporteur:	ANDERSEN, Niels	MOTOROLA A/S				
	freeze_meeting:	G: yes U:		MCC:	Peter Skov					
					JORGENSEN, Per Johan					
<i>history (event, available, version,</i>										
	smg-27		6 . 0 . 0		<i>remarks - general:</i>					
	NP-16	26/06/2002	6 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> 2002-05-02 (Hietalahti): Anticipate resurrection as null document pointing to latest Release version.					
<hr/>										

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**TR 09.95 Interworking between modified PLMN supporting GPRS and legacy GPRS mobiles**  
R97 *current version:* 6.3.0 *WG (prime / other):* G1 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* GP-04 *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 6 . 3 . 0

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R97 10 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/10\\_series](http://www.3gpp.org/ftp/Specs/archive/10_series)

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**TR 10.02 Guidelines for the modification of the Mobile Application Part (MAP) in phase 2+**  
R97 *current version:* 6.1.0 *WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich SIEMENS AG  
*freeze\_meeting:* smg-26 *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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<b>TS 11.10-1</b>	<b>Mobile station (MS) conformance specification; Part1: Conformance specification</b>								
R97	current version: 6.4.0	WG (prime / other):	G5	/ S1 /	rapporteur:	SALMERON, Lidia	TELEPLUS LIMITED		
	freeze_meeting: smg-26			NP /					
				T2 /					
				SCP					
				/ G4					
		G: yes	U:		MCC:	SALMERON, Lidia			
	history (event, available, version,								
	smg-28 12/02/1999 6 . 0 . 0			<a href="#">get it</a>	remarks - general:	R99 version now serves all releases. Earlier releases closed.. Subsequently			
	smg-29 25/06/1999 6 . 1 . 0			<a href="#">get it</a>	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-30 11/11/1999 6 . 2 . 0			<a href="#">get it</a>					
	smg-31 16/02/2000 6 . 3 . 0			<a href="#">get it</a>					
Editorial correction	16/02/2000 6 . 3 . 1			<a href="#">get it</a>					
GP-06	06/09/2001 6 . 4 . 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>								
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			<a href="#">get it</a>	remarks - general:				
	smg-26 26/06/1998 6 . 1 . 0			<a href="#">get it</a>	remarks - this release:	#32:frozen			
	smg-28 12/02/1999 6 . 2 . 0			<a href="#">get it</a>					
	smg-32 16/03/2000 6 . 3 . 0			<a href="#">get it</a>					
	smg-31 16/02/2000 6 . 3 . 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>								
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			<a href="#">get it</a>	remarks - general:				
	smg-26 26/06/1998 6 . 1 . 0			<a href="#">get it</a>	remarks - this release:	#32:frozen			
	smg-28 12/02/1999 6 . 2 . 0			<a href="#">get it</a>					
	smg-32 16/03/2000 6 . 3 . 0			<a href="#">get it</a>					
	smg-31 16/02/2000 6 . 3 . 0			<a href="#">get it</a>					

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**TS 11.14**    **Specification of the SIM Application Toolkit 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](#)

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**TS 11.26**    **Base Station System (BSS) equipment specification; Part 4: Repeaters**  
R97    *current version:* 6.0.1    *WG (prime / other):* G3 / -    *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 18/06/2002 6 . 0 . 1    [get it](#) *remarks - this release:* GP-09 (Usai) created to fill the Release gap.  
of version on  
cover)

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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:* BENDER, James    Nortel Networks (USA)  
*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:*

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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> LEHNERT, Matthias	ALCATEL S.A.	
	<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> #27: 6.1.0 #28: 6.2.0		
	SP-18 6 . 3 . 0				

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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> G3 / 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

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<b>TS 01.02</b>	<b>General Description of a GSM Public Land Mobile Network (PLMN)</b>								
R96	<i>current version:</i> 5.0.0 <i>freeze_meeting:</i> smg-22	<i>WG (prime / other):</i> S1 / GP / NP	<i>rapporteur:</i> JORGENSEN, Niels H.	TDC TELE DANMARK A/S					
	<i>history (event, available, version,</i> smg-17 02/02/1996 5 . 0 . 0	G: yes U:	<i>MCC:</i> CLAYTON, Michael					<a href="#">get it</a> <i>remarks - general:</i> <i>remarks - this release:</i>	
<hr/>									
<b>TR 01.04</b>	<b>Abbreviations and acronyms</b>								
R96	<i>current version:</i> 5.0.2 <i>freeze_meeting:</i> smg-22	<i>WG (prime / other):</i> GP / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd					
	<i>history (event, available, version,</i> smg-17 02/02/1996 5 . 0 . 0 smg-20 11/10/1996 5 . 0 . 1 ETSI publication 30/10/2001 5 . 0 . 2	G: yes U:	<i>MCC:</i> USAI, Paolino					<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 01.48</b>	<b>ISDN-based DECT/GSM interworking; Feasibility study</b>								
R96	<i>current version:</i> 5.0.1 <i>freeze_meeting:</i> smg-22	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> GRAETZ, Ingeborg	SIEMENS AG					
	<i>history (event, available, version,</i> smg-19 28/06/1996 5 . 0 . 0 smg-20 11/11/1996 5 . 0 . 1	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>	
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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>								
R96	<i>current version:</i> 5.5.0 <i>freeze_meeting:</i> smg-22	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> KOKKOLA, Tommi	NOKIA Corporation					
	<i>history (event, available, version,</i> smg-16 20/10/1995 5 . 0 . 0 smg-17 02/02/1996 5 . 1 . 0 smg-20 11/10/1996 5 . 2 . 0 smg-24 19/12/1997 5 . 3 . 0 smg-26 26/06/1998 5 . 4 . 0 smg-29 25/06/1999 5 . 5 . 0	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> <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 02.02 Bearer Services (BS) Supported by a GSM Public Land Mobile Network (PLMN)

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 [get it](#) *remarks - general:*  
smg-18 12/04/1996 5 . 1 . 0 [get it](#) *remarks - this release:*  
smg-20 11/10/1996 5 . 2 . 0 [get it](#)  
ETSI publication 02/05/1997 5 . 2 . 1 [get it](#)  
smg-22 13/06/1997 5 . 3 . 0 [get it](#)  
ETSI OAP 21/07/1997 5 . 3 . 1 [get it](#)  
ETSI publication 31/12/1997 5 . 3 . 2 [get it](#)

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## TS 02.03 Teleservices Supported by a GSM Public Land Mobile Network (PLMN)

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 [get it](#) *remarks - general:*  
smg-19 28/06/1996 5 . 1 . 0 [get it](#) *remarks - this release:*  
smg-20 11/10/1996 5 . 1 . 1 [get it](#)  
ETSI publication 02/05/1997 5 . 1 . 2 [get it](#)  
smg-21 14/02/1997 5 . 2 . 0 [get it](#)  
ETSI publication 26/08/1997 5 . 2 . 1 [get it](#)  
smg-22 13/06/1997 5 . 3 . 0 [get it](#)  
ETSI OAP 21/07/1997 5 . 3 . 1 [get it](#)  
ETSI publication 14/01/1998 5 . 3 . 2 [get it](#)

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## 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:*  
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## 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:*  
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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:*

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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

*G: yes U:* *MCC:* POPE, Maurice

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

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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:*

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<b>TS 02.16</b>	<b>International Mobile Station Equipment Identities (IMEI)</b>				
R96	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> EVEN, Anne	France Telecom	
	<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>		
	smg-30 11/11/1999 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	SP-08 23/06/2000 5 . 2 . 0	<a href="#">get it</a>			
<b>TS 02.17</b>	<b>Subscriber Identity Module (SIM); Functional characteristics</b>				
R96	<i>current version:</i> 5.1.1	<i>WG (prime / other):</i> T3 / S1	<i>rapporteur:</i> HOOKER, Philip	ORANGE PCS LTD	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> DIETZE, Claus		
	<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 02/05/1997 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-27 16/10/1998 5 . 1 . 0	<a href="#">get it</a>			
	ETSI publication 08/04/1999 5 . 1 . 1	<a href="#">get it</a>			
<b>TS 02.22</b>	<b>Stage 1 for personalisation of GSM ME</b>				
R96	<i>current version:</i> 5.4.0	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> DURAND, Romain	ALCATEL S.A.	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
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	smg-19 28/06/1996 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-20 11/10/1996 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 . 3 . 1	<a href="#">get it</a>			
	smg-26 26/06/1998 5 . 4 . 0	<a href="#">get it</a>			
<b>TS 02.24</b>	<b>Description of Charge Advice Information (CAI)</b>				
R96	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> 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>		
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**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

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**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

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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>					
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<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>					
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<b>TS 02.63</b>	<b>Packet Data on Signalling channels Service (PDS); Stage 1</b>								
R96	<i>current version:</i> 5.0.0			<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> 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	<a href="#">get it</a>	<i>remarks - general:</i>
smg-19	28/06/1996	5	.	0	.	1	<a href="#">get it</a>	<i>remarks - this release:</i>
smg-20	11/10/1996	5	.	0	.	2	<a href="#">get it</a>	
ETSI publication	03/06/1997	5	.	0	.	3	<a href="#">get it</a>	
smg-22	13/06/1997	5	.	0	.	4	<a href="#">get it</a>	
edito	05/12/1997	5	.	0	.	5	<a href="#">get it</a>	
smg-29	25/06/1999	5	.	1	.	0	<a href="#">get it</a>	
ETSI publication	29/12/1999	5	.	1	.	1	<a href="#">get it</a>	

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## TS 02.68 Voice Group Call Service (VGCS); Stage 1

R96 *current version:* 5.2.1 *WG (prime / other):* S1 / - *rapporteur:* 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	<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-20	11/10/1996	5	.	1	.	1	<a href="#">get it</a>	
smg-21	14/02/1997	5	.	1	.	2	<a href="#">get it</a>	
smg-22	13/06/1997	5	.	1	.	3	<a href="#">get it</a>	
smg-26	26/06/1998	5	.	2	.	0	<a href="#">get it</a>	
publish ETS 300 925	01/12/1998	5	.	2	.	1	<a href="#">get it</a>	

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## TS 02.69 Voice Broadcast Service (VBS); Stage 1

R96 *current version:* 5.2.1 *WG (prime / other):* S1 / - *rapporteur:* 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	<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> #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	<a href="#">get it</a>	
smg-21	14/02/1997	5	.	1	.	2	<a href="#">get it</a>	
smg-22	13/06/1997	5	.	1	.	3	<a href="#">get it</a>	
smg-26	26/06/1998	5	.	2	.	0	<a href="#">get it</a>	
ETSI publication	01/12/1998	5	.	2	.	1	<a href="#">get it</a>	

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<b>TS 02.78</b>	<b>Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)</b>				
R96	<i>current version:</i> 5.6.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> GRECH, Michel	Lucent Technologies Network Systems UK	
	<i>freeze_meeting:</i> smg-22	<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-20 11/10/1996 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
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	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>			
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<b>TS 02.79</b>	<b>Support of Optimal Routing (SOR); Service definition (Stage 1)</b>				
R96	<i>current version:</i> 5.2.0	<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-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>		
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	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	<i>current version:</i> 5.1.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> BLOMSTRAND, Ola	TELIA AB	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
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	smg-24 19/12/1997 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0 #24: 5.1.0		
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<b>TS 02.82</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 1</b>				
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> EVEN, Anne	France Telecom	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
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			<i>remarks - this release:</i> #16: 5.0.0		

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<b>TS 02.83</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1</b>					
R96	current version: 5.0.0	WG (prime / other):	S1 / -	rapporteur:	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					
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<b>TS 02.84</b>	<b>MultiParty (MPY) Supplementary Services; Stage 1</b>					
R96	current version: 5.0.0	WG (prime / other):	S1 / -	rapporteur:	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					
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				remarks - this release: #20: 5.0.0		
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<b>TS 02.85</b>	<b>Closed User Group (CUG) Supplementary Services; Stage 1</b>					
R96	current version: 5.0.0	WG (prime / other):	S1 / -	rapporteur:	BLOMSTRAND, Ola	TELIA 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		
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<b>TS 02.86</b>	<b>Advice of Charge (AoC) Supplementary Services; Stage 1</b>					
R96	current version: 5.0.0	WG (prime / other):	S1 / -	rapporteur:	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  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0  
smg-21 14/02/1997 5 . 1 . 0

*WG (prime / other):* S1 / - *rapporteur:* SLOTTE, Sverre NOKIA Corporation  
*G: yes U:* *MCC:* CLAYTON, Michael  
[get it](#) *remarks - general:*  
[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  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-16 20/10/1996 5 . 0 . 0  
smg-17 02/02/1996 5 . 0 . 1  
smg-19 28/06/1996 5 . 1 . 0  
smg-21 14/02/1997 5 . 1 . 1

*WG (prime / other):* S1 / - *rapporteur:* POSTMANN, Erwin SIEMENS AG  
*G: yes U:* *MCC:* CLAYTON, Michael  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #16: 5.0.0 #17: 5.0.1 #19: 5.1.0 #21: 5.1.1  
[get it](#)  
[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  
*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-19 28/06/1996 5 . 2 . 0

*WG (prime / other):* S1 / - *rapporteur:* CLAYTON, Michael EMCOM Ltd  
*G: yes U:* *MCC:* CLAYTON, Michael  
[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #16: 5.0.0 #18: 5.1.0 #19: 5.2.0  
[get it](#)

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R96

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**

R96 *current version:* 5.1.0  
*freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-17 02/02/1996 5 . 0 . 0  
smg-18 12/04/1996 5 . 1 . 0

*WG (prime / other):* S2 / NP *rapporteur:* GAASVIK, Per-Ola COMVIQ GSM AB  
*G: yes U:* *MCC:* SULTAN, Alain  
[get it](#) *remarks - general:* SMG3->SA2 @ TSG#7  
[get it](#) *remarks - this release:* #17: 5.0.0 #18: 5.1.0

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<b>TS 03.02</b>	<b>Network Architecture</b>								
R96	<i>current version:</i> 5.3.0								
	<i>freeze_meeting:</i> smg-22								
	<i>history (event, available, version,</i>								
	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			
							<a href="#">get it</a>	<i>remarks - general:</i>	
							<a href="#">get it</a>	<i>remarks - this release:</i> #17: 5.0.0 #18: 5.1.0 #23: 5.2.0 #24: 5.3.0	
							<a href="#">get it</a>		
							<a href="#">get it</a>		
<b>TS 03.03</b>	<b>Numbering, Addressing and Identification</b>								
R96	<i>current version:</i> 5.4.1								
	<i>freeze_meeting:</i> smg-22								
	<i>history (event, available, version,</i>								
	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			
							<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>		
							<a href="#">get it</a>		
							<a href="#">get it</a>		
							<a href="#">get it</a>		
<b>TR 03.05</b>	<b>Technical performance objectives</b>								
R96	<i>current version:</i> 5.0.0								
	<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>	
								<i>remarks - this release:</i> #20: 5.0.0	

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<b>TS 03.07</b>	<b>Restoration Procedures</b>								
R96	<i>current version:</i> 5.1.0		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> PARK, Ian David		VODAFONE LTD			
	<i>freeze_meeting:</i> smg-22			Chalmers					
	<i>history (event, available, version,</i>		<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo					
	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>					
<hr/>									
<b>TS 03.08</b>	<b>Organization of Subscriber Data</b>								
R96	<i>current version:</i> 5.2.0		<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> BAUER, Rolf		ALCATEL SEL AG			
	<i>freeze_meeting:</i> smg-22		<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo					
	<i>history (event, available, version,</i>								
	smg-18 12/04/1996 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-23 17/10/1997 5 . 2 . 0		<a href="#">get it</a>						
<hr/>									
<b>TS 03.09</b>	<b>Handover Procedures</b>								
R96	<i>current version:</i> 5.1.0		<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> FARHOUMAND,		Ericsson Incorporated			
	<i>freeze_meeting:</i> smg-22			Rouzbeh					
	<i>history (event, available, version,</i>		<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan					
	smg-18 12/04/1996 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> #18: 5.0.0 #22: 5.1.0					
<hr/>									
<b>TS 03.10</b>	<b>GSM Public Land Mobile Network (PLM N) Connection Types</b>								
R96	<i>current version:</i> 5.4.0		<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David		ETSI Secretariat			
	<i>freeze_meeting:</i> smg-22		<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David					
	<i>history (event, available, version,</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-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 SONERA Corporation  
*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 Lab 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:* 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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## 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 SIEMENS AG  
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  
G: yes U: MCC: Chalmers  
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 03.20 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  
G: yes U: MCC: Sebastien  
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			
		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> 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>				

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<b>TR 03.26</b>	<b>Multiband operation of GSM/DCS 1800 by a single operator</b>					
R96	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> G1 / NP	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S		
	<i>freeze_meeting:</i> smg-22		Peter Skov			
		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>			
	smg-23 17/10/1997 5 . 2 . 0	<a href="#">get it</a>				

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<b>TR 03.30</b>	<b>Radio Network Planning Aspects</b>					
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> GP / -	<i>rapporteur:</i> TEGTH, Ulf	TELIA AB		
	<i>freeze_meeting:</i> smg-22		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>			
			<i>remarks - this release:</i> #20: 5.0.0			

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<b>TS 03.32</b>	<b>Universal Geographical Area Description (GAD)</b>					
R96	<i>current version:</i> 5.2.0	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> SULTAN, Alain	SOURCE COM		
	<i>freeze_meeting:</i> smg-22		MCC: SULTAN, Alain			
	<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> #23: 5.0.0 #26: 5.1.0 #27: 5.2.0			
	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

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remarks - general:

[get it](#)

remarks - this release: #21: 5.0.0 #26: 5.1.0 #28: 5.2.0

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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  
smg-21 14/02/1997 5 . 5 . 0  
smg-22 13/06/1997 5 . 6 . 0

Editorial correction 13/07/1997 5 . 6 . 1

WG (prime / other): T2 / - rapporteur: HARRIS, Ian Teleca Limited

G: yes U: MCC: RODERMUND, Friedhelm

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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

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## TS 03.40 Technical Realization of the Short Message Service (SMS) Point-to-point (PP)

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 Teleca Limited

G: yes U: MCC: RODERMUND, Friedhelm

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remarks - general:

[get it](#)

remarks - this release:

[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 Teleca Limited  
*freeze\_meeting:* smg-22 *G:* yes *U:* *MCC:* RODERMUND, Friedhelm  
*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 12/04/1996 5 . 2 . 0 [get it](#)  
smg-19 28/06/1996 5 . 3 . 0 [get it](#)  
smg-20 11/10/1996 5 . 4 . 0 [get it](#)  
ETSI publication 02/05/1997 5 . 4 . 1 [get it](#)  
smg-21 14/02/1997 5 . 5 . 0 [get it](#)  
ETSI publication 15/09/1997 5 . 5 . 1 [get it](#)  
smg-22 13/06/1997 5 . 6 . 0 [get it](#)  
ETSI publication 02/02/1998 5 . 6 . 1 [get it](#)  
smg-23 17/10/1997 5 . 7 . 0 [get it](#)  
smg-24 19/12/1997 5 . 8 . 0 [get it](#)  
ETSI publication 17/06/1998 5 . 8 . 1 [get it](#)  
smg-25 20/03/1998 5 . 9 . 0 [get it](#)  
ETSI publication 03/02/1999 5 . 9 . 1 [get it](#)

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## TS 03.42 SMS Compression

R96 *current version:* 5.2.0 *WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Teleca Limited  
*freeze\_meeting:* smg-22 *G:* yes *U:* *MCC:* RODERMUND, Friedhelm  
*history (event, available, version,*  
smg-21 14/02/1997 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-22 13/06/1997 5 . 1 . 0 [get it](#) *remarks - this release:* #21: 5.0.0 #22: 5.1.0 #23: 5.2.0  
smg-23 17/10/1997 5 . 2 . 0 [get it](#)

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

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<b>TR 03.44</b>	<b>Support of Teletex in a GSM Public Land Mobile Network (PLMN)</b>								
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> RODERMUND,	Vodafone D2 GmbH					
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> RODERMUND, Friedhelm						
	<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 03.45</b>	<b>Technical Realization of Facsimile Group 3 Service - transparent</b>								
R96	<i>current version:</i> 5.2.1	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat					
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<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>		
	ETSI publication 02/05/1997 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>			
	ETSI publication 26/08/1997 5 . 1 . 1					<a href="#">get it</a>			
	smg-22 13/06/1997 5 . 2 . 0					<a href="#">get it</a>			
	ETSI publication 02/02/1998 5 . 2 . 1					<a href="#">get it</a>			
<hr/>									
<b>TS 03.46</b>	<b>Technical Realization of Facsimile Group 3 Service - non transparent</b>								
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat					
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<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>		<i>remarks - this release:</i>
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<b>TR 03.47</b>	<b>Example Protocol Stacks for Interconnecting Service Centre(s) (SC) and Mobile Services Switching Centre(s) (MSC)</b>								
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> RODERMUND,	Vodafone D2 GmbH					
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> RODERMUND, Friedhelm						
	<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>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,	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>		
<b>TS 03.50</b>	<b>Transmission Planning Aspects 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 Lab 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>		
<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	
<b>TS 03.63</b>	<b>Packet Data on Signalling channels service (PDS) Service description, Stage 2</b>				
R96	current version: 5.1.0	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-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:	

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<b>TS 03.67</b>	<b>Enhanced Multi-Level Precedence and Preemption 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	G: yes U:	<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	G: yes U:	<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

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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

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remarks - general: N3: "no R99 needed".

remarks - this release: #20: 5.0.0

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<b>TS 03.78</b>	<b>Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 2; Stage 2</b>				
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	<a href="#">get it</a>	remarks - general:		
ETSI publication	23/04/1997 5 . 0 . 1	<a href="#">get it</a>	remarks - this release:		
	smg-22 13/06/1997 5 . 1 . 0	<a href="#">get it</a>			
	smg-23 17/10/1997 5 . 2 . 0	<a href="#">get it</a>			
	smg-24 19/12/1997 5 . 3 . 0	<a href="#">get it</a>			
	edito 19/01/1998 5 . 3 . 1	<a href="#">get it</a>			
ETSI publication	30/01/1998 5 . 3 . 2	<a href="#">get it</a>			
	smg-25 20/03/1998 5 . 4 . 0	<a href="#">get it</a>			
	smg-26 26/06/1998 5 . 5 . 0	<a href="#">get it</a>			
	smg-27 16/10/1998 5 . 6 . 0	<a href="#">get it</a>			
	smg-28 12/02/1999 5 . 7 . 0	<a href="#">get it</a>			
	smg-29 25/06/1999 5 . 8 . 0	<a href="#">get it</a>			

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<b>TS 03.79</b>	<b>Support of Optimal Routing phase 1; Stage 2</b>				
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	<a href="#">get it</a>	remarks - general:		
ETSI publication	02/05/1997 5 . 0 . 1	<a href="#">get it</a>	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	<a href="#">get it</a>			
	smg-24 19/12/1997 5 . 2 . 0	<a href="#">get it</a>			
	smg-25 20/03/1998 5 . 3 . 0	<a href="#">get it</a>			
	smg-27 16/10/1998 5 . 4 . 0	<a href="#">get it</a>			
	NP-05 08/10/1999 5 . 5 . 0	<a href="#">get it</a>			

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<b>TS 03.81</b>	<b>Line Identification Supplementary Services; Stage 2</b>				
R96	current version: 5.2.0	WG (prime / other): N4 / -	rapporteur: KYMALAINEN, Kimmo	SONERA Corporation	
	freeze_meeting: smg-22	G: yes U:	MCC: KYMALAINEN, Kimmo		
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	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	remarks - general:		
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	smg-26 26/06/1998 5 . 2 . 0	<a href="#">get it</a>			

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<b>TS 03.82</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 2</b>					
R96	current version: 5.0.0	WG (prime / other): N4 / -	rapporteur: KYMALAINEN, Kimmo	SONERA Corporation		
	freeze_meeting: smg-22	G: yes U:	MCC: KYMALAINEN, Kimmo			
	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
<b>TS 03.83</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 2</b>					
R96	current version: 5.0.0	WG (prime / other): N4 / -	rapporteur: SHARP, Iain	NORTEL NETWORKS (EUROPE)		
	freeze_meeting: smg-22	G: yes U:	MCC: KYMALAINEN, Kimmo			
	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
<b>TS 03.84</b>	<b>Multi Party (MPPTY) Supplementary Services; Stage 2</b>					
R96	current version: 5.0.0	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				<a href="#">get it</a>	remarks - general: remarks - this release: #20: 5.0.0
<b>TS 03.85</b>	<b>Closed user Group (CUG) Supplementary Services; Stage 2</b>					
R96	current version: 5.0.0	WG (prime / other): N4 / -	rapporteur: WIEHE, Ulrich	SIEMENS AG		
	freeze_meeting: smg-22	G: yes U:	MCC: KYMALAINEN, Kimmo			
	history (event, available, version, smg-20 11/10/1996 5 . 0 . 0				<a href="#">get it</a>	remarks - general: remarks - this release:
<b>TS 03.86</b>	<b>Advice of Charge (AoC) Supplementary Services; Stage 2</b>					
R96	current version: 5.0.1	WG (prime / other): N4 / -	rapporteur: WIEHE, Ulrich	SIEMENS AG		
	freeze_meeting: smg-22	G: yes U:	MCC: KYMALAINEN, Kimmo			
	history (event, available, version, smg-20 11/10/1996 5 . 0 . 0 ETSI Publication 28/11/2000 5 . 0 . 1				<a href="#">get it</a> <a href="#">get it</a>	remarks - general: remarks - this release: #20: 5.0.0

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<b>TS 03.88</b>	<b>Call Barring (CB) supplementary services; Stage 2</b>				
R96	current version: 5.0.0	WG (prime / other): N4 / -	rapporteur: WIEHE, Ulrich	SIEMENS AG	
	freeze_meeting: smg-22	G: yes U:	MCC: KYMALAINEN, Kimmo		
	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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<b>TS 03.90</b>	<b>Unstructured Supplementary Service Data (USSD)</b>				
R96	current version: 5.0.0	WG (prime / other): N4 / -	rapporteur: CHOTAI, Sunil	mm02 plc	
	freeze_meeting: smg-22	G: yes U:	MCC: KYMALAINEN, Kimmo		
	history (event, available, version,				
	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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<b>TS 03.91</b>	<b>Explicit Call Transfer (ECT) Supplementary Service; Stage 2</b>				
R96	current version: 5.0.2	WG (prime / other): N4 / -	rapporteur: WIEHE, Ulrich	SIEMENS AG	
	freeze_meeting: smg-22	G: yes U:	MCC: KYMALAINEN, Kimmo		
	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 . 0 . 1	<a href="#">get it</a>	remarks - this release: #16: 5.0.0 #18: 5.0.1 #19: 5.0.2		
	smg-19 28/06/1996 5 . 0 . 2	<a href="#">get it</a>			

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<b>TS 04.01</b>	<b>Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles</b>				
R96	current version: 5.0.0	WG (prime / other): N1 / -	rapporteur: ANDERSEN, Niels	MOTOROLA A/S	
	freeze_meeting: smg-22	G: yes U:	Peter Skov		
	history (event, available, version,		MCC: JORGENSEN, Per Johan		
	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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<b>TS 04.02</b>	<b>GSM Public Land Mobile Network (PLMN) Access Reference Configuration</b>					
R96	<i>current version:</i> 5.0.0 <i>freeze_meeting:</i> smg-22	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> ANDERSEN, Niels Peter Skov	MOTOROLA A/S		
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version,</i> smg-18 12/04/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> #18: 5.0.0			
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<b>TS 04.03</b>	<b>Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities</b>					
R96	<i>current version:</i> 5.3.0 <i>freeze_meeting:</i> smg-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> 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	<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 04.04</b>	<b>Layer 1 - General Requirements</b>					
R96	<i>current version:</i> 5.1.0 <i>freeze_meeting:</i> smg-22	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ISAACS, Ken THOMASEN, Gert	SIEMENS AG		
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i>			
	<i>history (event, available, version,</i> smg-20 11/10/1996 5 . 0 . 0 ETSI publication 02/05/1997 5 . 0 . 1 smg-24 19/12/1997 5 . 1 . 0	<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 04.05</b>	<b>Data Link (DL) Layer General Aspects</b>					
R96	<i>current version:</i> 5.0.1 <i>freeze_meeting:</i> smg-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> smg-20 11/10/1996 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i>			

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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: 5.19.0

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	05/10/1999	5	.	13	.	1
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-31 bis	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		5	.	19	.	0

WG (prime / other): N1 / G2 rapporteur: HOWELL, Andrew MOTOROLA Ltd  
G: yes U: MCC: JORGENSEN, Per Johan

[get it](#) remarks - general: 04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert  
[get it](#) 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	<i>current version:</i> 5.0.1 <i>freeze_meeting:</i> smg-22	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S		
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> Peter Skov KYMALAINEN, Kimmo			
	<i>history (event, available, version,</i> smg-20 5 . 0 . 0 edito 11/10/1996 5 . 0 . 1				<i>remarks - general:</i> <i>remarks - this release:</i>	
			<a href="#">get it</a>			
<hr/>						
<b>TS 04.11</b>	<b>Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface</b>					
R96	<i>current version:</i> 5.3.0 <i>freeze_meeting:</i> smg-22	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> NOBUYUKI, Uda	NTT COMWARE Corporation		
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version,</i> 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				<i>remarks - general:</i> <i>remarks - this release:</i>	
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			<a href="#">get it</a>			
			<a href="#">get it</a>			
			<a href="#">get it</a>			
<hr/>						
<b>TS 04.12</b>	<b>Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface</b>					
R96	<i>current version:</i> 5.0.2 <i>freeze_meeting:</i> smg-22	<i>WG (prime / other):</i> G2 / T2	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S		
		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> Peter Skov THOMASEN, Gert			
	<i>history (event, available, version,</i> smg-19 28/06/1996 5 . 0 . 0 smg-20 11/10/1996 5 . 0 . 1 ETSI Publication 28/11/2000 5 . 0 . 2				<i>remarks - general:</i> <i>remarks - this release:</i> #19: 5.0.0 #20: 5.0.1	
			<a href="#">get it</a>			
			<a href="#">get it</a>			
			<a href="#">get it</a>			
<hr/>						
<b>TS 04.13</b>	<b>Performance Requirements on Mobile Radio Interface</b>					
R96	<i>current version:</i> 5.1.1 <i>freeze_meeting:</i> smg-22	<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-18 12/04/1996 5 . 0 . 0 smg-20 11/10/1996 5 . 1 . 0 ETSI Publication 28/11/2000 5 . 1 . 1				<i>remarks - general:</i> <i>remarks - this release:</i> #18: 5.0.0 #20: 5.1.0	
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			<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	current version: 5.1.0	WG (prime / other): G2 / -	rapporteur: HOWELL, Andrew	MOTOROLA Ltd					
	freeze_meeting: smg-22	G: yes U:	MCC: THOMASEN, Gert						
	history (event, available, version,								
	smg-26 26/06/1998 5 . 0 . 0		<a href="#">get it</a>	remarks - general:					
	smg-27 16/10/1998 5 . 1 . 0		<a href="#">get it</a>	remarks - this release:					
<hr/>									
<b>TS 04.21</b>	<b>Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface</b>								
R96	current version: 5.7.0	WG (prime / other): N3 / -	rapporteur: RÄSÄNEN, Juha	NOKIA Corporation					
	freeze_meeting: smg-22	G: yes U:	MCC: BOSWARTHICK, David						
	history (event, available, version,								
	smg-20 11/10/1996 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: #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					
	smg-22 13/06/1997 5 . 2 . 0		<a href="#">get it</a>	TSG#8:5.7.0					
	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>						
<hr/>									
<b>TS 04.22</b>	<b>Radio Link Protocol (RLP) for data and telematic services on the Mobile Station - Base Station System (MS - BSS) interface and the Base Station System - Mobile-services</b>								
R96	current version: <b>Switching Centre (BSS - MSC) interface</b>	5.6.1	WG (prime / other): N3	/-	rapporteur: KLEHN, Norbert				
SIEMENS AG									
	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-20 11/10/1996 5 . 0 . 1		<a href="#">get it</a>	remarks - this release: #16: 5.0.0 #20: 5.0.1 #21: 5.1.0 #22: 5.2.0 #23: 5.3.0 #25: 5.4.0 #27: 5.5.0					
	smg-21 14/02/1997 5 . 1 . 0		<a href="#">get it</a>	tsg#6: 5.6.0					
	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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<b>TS 04.63</b>	<b>Packet Data on Signalling channels Service (PDS) Service Description, Stage 3</b>								
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	<a href="#">get it</a>		remarks - general:					
				remarks - this release:					
<b>TS 04.67</b>	<b>Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3</b>								
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	<a href="#">get it</a>		remarks - general:					
	ETSI Publication 28/11/2000 5 . 0 . 1	<a href="#">get it</a>		remarks - this release: #20: 5.0.0					
<b>TS 04.68</b>	<b>Group Call Control (GCC) Protocol</b>								
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	<a href="#">get it</a>		remarks - general:					
	smg-20 11/10/1996 5 . 0 . 1	<a href="#">get it</a>		remarks - this release:					
	smg-27 16/10/1998 5 . 1 . 0	<a href="#">get it</a>							
	smg-28 12/02/1999 5 . 2 . 0	<a href="#">get it</a>							
	smg-29 25/06/1999 5 . 3 . 0	<a href="#">get it</a>							
	smg-30 11/11/1999 5 . 4 . 0	<a href="#">get it</a>							
	NP-07 15/03/2000 5 . 5 . 0	<a href="#">get it</a>							
<b>TS 04.69</b>	<b>Broadcast Call Control (BCC) protocol</b>								
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	<a href="#">get it</a>		remarks - general:					
	smg-27 16/10/1998 5 . 1 . 0	<a href="#">get it</a>		remarks - this release:					
	smg-28 12/02/1999 5 . 2 . 0	<a href="#">get it</a>							
	smg-29 25/06/1999 5 . 3 . 0	<a href="#">get it</a>							
	smg-30 11/11/1999 5 . 4 . 0	<a href="#">get it</a>							
	NP-07 15/03/2000 5 . 5 . 0	<a href="#">get it</a>							

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<b>TS 04.80</b>	<b>Mobile Radio Interface Layer 3 - Supplementary Services Specification Formats and Coding</b>				
R96	current version: 5.3.1	WG (prime / other): N4 / -	rapporteur: WIEHE, Ulrich	SIEMENS 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-20 11/10/1996 5 . 0 . 1	<a href="#">get it</a>	remarks - this release:		
	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>			
<b>TS 04.81</b>	<b>Line Identification Supplementary Services; Stage 3</b>				
R96	current version: 5.0.1	WG (prime / other): N4 / -	rapporteur: WIEHE, Ulrich	SIEMENS AG	
	freeze_meeting: smg-22	G: yes U:	MCC: KYMALAINEN, Kimmo		
	history (event, available, version,				
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	ETSI Publication 11/11/1996 5 . 0 . 1	<a href="#">get it</a>	remarks - this release: #20: 5.0.0		
<b>TS 04.82</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 3</b>				
R96	current version: 5.0.1	WG (prime / other): N4 / -	rapporteur: WIEHE, Ulrich	SIEMENS AG	
	freeze_meeting: smg-22	G: yes U:	MCC: KYMALAINEN, Kimmo		
	history (event, available, version,				
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	ETSI Publication 11/11/1996 5 . 0 . 1	<a href="#">get it</a>	remarks - this release: #20: 5.0.0		
<b>TS 04.83</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 3</b>				
R96	current version: 5.0.1	WG (prime / other): N4 / -	rapporteur: SHARP, Iain	NORTEL NETWORKS (EUROPE)	
	freeze_meeting: smg-22	G: yes U:	MCC: KYMALAINEN, Kimmo		
	history (event, available, version,				
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	ETSI Publication 11/11/1996 5 . 0 . 1	<a href="#">get it</a>	remarks - this release: #20: 5.0.0		
<b>TS 04.84</b>	<b>Multi Party (MPPTY) Supplementary Services; Stage 3</b>				
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	<a href="#">get it</a>	remarks - general:		
	ETSI Publication 11/11/1996 5 . 0 . 1	<a href="#">get it</a>	remarks - this release: #20: 5.0.0		

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<b>TS 04.85</b>	<b>Closed User Group (CUG) Supplementary Services; Stage 3</b>					
R96	current version: 5.0.0	WG (prime / other):	N4 / -	rapporteur:	WIEHE, Ulrich	SIEMENS AG
	freeze_meeting: smg-22	G: yes	U:	MCC:	KYMALAINEN, Kimmo	
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	smg-20 11/10/1996 5 . 0 . 0					
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<b>TS 04.86</b>	<b>Advice of Charge (AoC) Supplementary Services; Stage 3</b>					
R96	current version: 5.0.1	WG (prime / other):	N4 / -	rapporteur:	WIEHE, Ulrich	SIEMENS AG
	freeze_meeting: smg-22	G: yes	U:	MCC:	KYMALAINEN, Kimmo	
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	ETSI Publication 11/11/1996 5 . 0 . 1					
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		<a href="#">get it</a>		remarks - this release: #20: 5.0.0		
<b>TS 04.88</b>	<b>Call Barring (CB) Supplementary Services; Stage 3</b>					
R96	current version: 5.1.1	WG (prime / other):	N4 / -	rapporteur:	WIEHE, Ulrich	SIEMENS AG
	freeze_meeting: smg-22	G: yes	U:	MCC:	KYMALAINEN, Kimmo	
	history (event, available, version,					
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	smg-24 19/12/1997 5 . 1 . 0					
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<b>TS 04.90</b>	<b>Unstructured Supplementary Service Data (USSD)</b>					
R96	current version: 5.0.1	WG (prime / other):	N4 / -	rapporteur:	KYMALAINEN, Kimmo	SONERA Corporation
	freeze_meeting: smg-22	G: yes	U:	MCC:	KYMALAINEN, Kimmo	
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<b>TS 04.91</b>	<b>Explicit Call Transfer (ECT) Supplementary Service; Stage 3</b>					
R96	current version: 5.1.2	WG (prime / other):	N4 / -	rapporteur:	WIEHE, Ulrich	SIEMENS AG
	freeze_meeting: smg-22	G: yes	U:	MCC:	KYMALAINEN, Kimmo	
	history (event, available, version,					
	smg-16 20/10/1995 5 . 0 . 0					
	smg-17 02/02/1996 5 . 1 . 0					
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R96 05 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/05\\_series](http://www.3gpp.org/ftp/Specs/archive/05_series)

## TS 05.01 Physical Layer on the Radio Path (General Description)

R96 *current version:* 5.4.0 *freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-18 12/04/1996 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-20 11/10/1996 5 . 1 . 0 [get it](#) *remarks - this release:*  
smg-21 14/02/1997 5 . 2 . 0 [get it](#)  
smg-22 13/06/1997 5 . 3 . 0 [get it](#)  
smg-25 20/03/1998 5 . 4 . 0 [get it](#)

*WG (prime / other):* G1 / - *rapporteur:* JOKINEN, Harri  
*G: yes U:* *MCC:* USAI, Paolino

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## TS 05.02 Multiplexing and Multiple Access on the Radio Path

R96 *current version:* 5.10.0 *freeze\_meeting:* smg-22  
*history (event, available, version,*  
smg-18 12/04/1996 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-19 28/06/1996 5 . 1 . 0 [get it](#) *remarks - this release:*  
smg-20 11/10/1996 5 . 2 . 0 [get it](#)  
ETSI publication 13/05/1997 5 . 2 . 1 [get it](#)  
smg-21 14/02/1997 5 . 3 . 0 [get it](#)  
ETSI publication 26/08/1997 5 . 3 . 1 [get it](#)  
smg-22 13/06/1997 5 . 4 . 0 [get it](#)  
ETSI publication 31/12/1997 5 . 4 . 1 [get it](#)  
smg-23 17/10/1997 5 . 5 . 0 [get it](#)  
smg-25 20/03/1998 5 . 6 . 0 [get it](#)  
ETSI publication 23/10/1998 5 . 6 . 1 [get it](#)  
smg-26 26/06/1998 5 . 7 . 0 [get it](#)  
ETSI publication 10/12/1998 5 . 7 . 1 [get it](#)  
smg-28 12/02/1999 5 . 8 . 0 [get it](#)  
ETSI publication 04/08/1999 5 . 8 . 1 [get it](#)  
GP-01 09/10/2000 5 . 9 . 0 [get it](#)  
GP-06 01/10/2001 5 . 10 . 0 [get it](#)

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

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<b>TS 05.03 Channel coding</b> R96 <i>current version: 5.6.0</i> <i>freeze_meeting: smg-22</i> <i>history (event, available, version,</i> smg-17 02/02/1996 5 . 0 . 0 smg-18 12/04/1996 5 . 1 . 0 smg-19 26/06/1996 5 . 2 . 0 smg-20 11/10/1996 5 . 2 . 1 ETSI publication 12/05/1997 5 . 2 . 2 smg-21 14/02/1997 5 . 3 . 0 ETSI publication 26/08/1997 5 . 3 . 1 smg-23 17/10/1997 5 . 4 . 0 smg-25 20/03/1998 5 . 5 . 0 ETSI publication 23/10/1998 5 . 5 . 1 GP-01 09/10/2000 5 . 6 . 0	WG (prime / other): G1 / - <i>rapporteur:</i> SÉBIRE, Benoist G: yes U: <i>MCC:</i> USAI, Paolino  <a href="#">get it</a> <i>remarks - general:</i> <a href="#">get it</a> <i>remarks - this release: #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</i> <a href="#">get it</a> GERAN#1:5.6.0 <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> <a href="#">get it</a> <a href="#">get it</a>	NOKIA Corporation
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<b>TS 05.04 Modulation</b> R96 <i>current version: 5.1.1</i> <i>freeze_meeting: smg-22</i> <i>history (event, available, version,</i> smg-20 11/10/1996 5 . 0 . 0 ETSI publication 13/05/1997 5 . 0 . 1 smg-30 11/11/1999 5 . 1 . 0 ETSI Publication 11/12/1999 5 . 1 . 1	WG (prime / other): G1 / - <i>rapporteur:</i> SÉBIRE, Benoist G: yes U: <i>MCC:</i> USAI, Paolino  <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>	NOKIA Corporation
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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
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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 - general:*

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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

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## TS 05.10 Radio subsystem synchronization

R96 current version: 5.4.1

freeze\_meeting: smg-22

history (event, available, version,

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smg-20	11/10/1996	5	.	1	.	0
ETSI publication	03/06/1997	5	.	1	.	1
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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

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<b>TR 05.22</b>	<b>Radio link management in hierarchical networks</b>				
R96	current version: 5.0.0	WG (prime / other): G1 / -	rapporteur: VAN BUSSEL, Han	T-MOBILE DEUTSCHLAND	
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<b>TR 05.50</b>	<b>Background for RF Requirements</b>				
R96	current version: 5.1.1	WG (prime / other): G1 / -	rapporteur: ANDERSEN, Niels	MOTOROLA A/S	
	freeze_meeting: smg-22	G: yes U:	Peter Skov		
	history (event, available, version,		MCC: USAI, Paolino		
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	smg-23 17/10/1997 5 . 1 . 1	<a href="#">get it</a>			
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<b>TR 05.90</b>	<b>GSM Electromagnetic Compatibility (EMC) considerations</b>				
R96	current version: 5.0.0	WG (prime / other): G1 / -	rapporteur: USAI, Paolino	Telecom Italia Lab S.p.A.	
	freeze_meeting: smg-22	G: yes U:	MCC: USAI, Paolino		
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			remarks - this release: .		

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R96

06 .- series

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<b>TS 06.01</b>	<b>Full Rate Speech Processing Functions</b>				
R96	current version: 5.1.1	WG (prime / other): S4 / -	rapporteur: USAI, Paolino	Telecom Italia Lab S.p.A.	
	freeze_meeting: smg-22	G: yes U:	MCC: USAI, Paolino		
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	ETSI Publication 17/11/1997 5 . 1 . 1	<a href="#">get it</a>			

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<b>TS 06.02</b>	<b>Half Rate Speech Processing Functions</b>								
R96	<i>current version:</i> 5.0.1			<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd			
	<i>freeze_meeting:</i> smg-22			<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino				
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<b>TS 06.06</b>	<b>Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec</b>								
R96	<i>current version:</i> 5.1.1			<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd			
	<i>freeze_meeting:</i> smg-22			<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino				
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<b>TS 06.07</b>	<b>Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec</b>								
R96	<i>current version:</i> 5.2.1			<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd			
	<i>freeze_meeting:</i> smg-22			<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino				
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	ETSI Publication 17/11/1997 5 . 2 . 1			<a href="#">get it</a>					
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<b>TR 06.08</b>	<b>Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec</b>								
R96	<i>current version:</i> 5.0.0			<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SALEM, Tarek	T-MOBILE DEUTSCHLAND			
	<i>freeze_meeting:</i> smg-22			<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino				
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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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
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	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>			
<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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
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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.		
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<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	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
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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	current version: 5.0.1	WG (prime / other):	S4 / -	rapporteur:	AFTELAKE, Steve	MOTOROLA Ltd			
	freeze_meeting: smg-22	G: yes U:		MCC:	USAI, Paolino				
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<b>TS 06.22</b>	<b>Comfort Noise Aspects for Half Rate Speech Traffic Channels</b>								
R96	current version: 5.1.0	WG (prime / other):	S4 / -	rapporteur:	AFTELAKE, Steve	MOTOROLA Ltd			
	freeze_meeting: smg-22	G: yes U:		MCC:	USAI, Paolino				
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	smg-22 13/06/1997	5 . 1 . 0		<a href="#">get it</a>	remarks - this release: #20: 5.0.0 #22: 5.1.0				
<b>TS 06.31</b>	<b>Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels</b>								
R96	current version: 5.0.1	WG (prime / other):	S4 / -	rapporteur:	USAI, Paolino	Telecom Italia Lab S.p.A.			
	freeze_meeting: smg-22	G: yes U:		MCC:	USAI, Paolino				
	history (event, available, version,								
	smg-20 11/10/1996	5 . 0 . 0		<a href="#">get it</a>	remarks - general:				
	smg-23 17/10/1997	5 . 0 . 1		<a href="#">get it</a>	remarks - this release: #20: 5.0.0 #23: 5.0.1				
<b>TS 06.32</b>	<b>Voice Activity Detection (VAD)</b>								
R96	current version: 5.0.3	WG (prime / other):	S4 / -	rapporteur:	BARRETT, Paul	Indicate persons who left Company and wait for new One			
	freeze_meeting: smg-22	G: yes U:		MCC:	USAI, Paolino				
	history (event, available, version,								
	smg-20 11/10/1996	5 . 0 . 0		<a href="#">get it</a>	remarks - general:				
	smg-23 17/10/1997	5 . 0 . 2		<a href="#">get it</a>	remarks - this release: #20: 5.0.0 #23: 5.0.2				
	ETSI Publication 17/11/1997	5 . 0 . 3		<a href="#">get it</a>					
<b>TS 06.41</b>	<b>Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels</b>								
R96	current version: 5.1.1	WG (prime / other):	S4 / -	rapporteur:	USAI, Paolino	Telecom Italia Lab S.p.A.			
	freeze_meeting: smg-22	G: yes U:		MCC:	USAI, Paolino				
	history (event, available, version,								
	smg-20 11/10/1996	5 . 0 . 0		<a href="#">get it</a>	remarks - general:				
	smg-22 13/06/1997	5 . 0 . 1		<a href="#">get it</a>	remarks - this release: #20: 5.0.0 #22: 5.0.1 #23: 5.1.0				
	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 13/01/2000 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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<b>TS 06.54</b>	<b>Test sequences for the GSM Enhanced Full Rate (EFR)</b>				
R96	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</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>		
	ETSI publication 27/02/1998 5 . 1 . 1	<a href="#">get it</a>			
	smg-32 20/06/2000 5 . 2 . 0	<a href="#">get it</a>			
	SP-10 20/12/2000 5 . 3 . 0	<a href="#">get it</a>			
<b>TR 06.55</b>	<b>Performance characterisation of the GSM EFR Speech Codec</b>				
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SALEM, Tarek	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</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		
<b>TS 06.60</b>	<b>Enhanced full rate speech transcoding</b>				
R96	<i>current version:</i> 5.2.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</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 #23: 5.1.3 #25: 5.2.0		
	smg-20 11/10/1996 5 . 1 . 1	<a href="#">get it</a>			
	smg-23 17/10/1997 5 . 1 . 3	<a href="#">get it</a>			
	smg-25 20/03/1998 5 . 2 . 0	<a href="#">get it</a>			
	ETSI Publication 20/04/1998 5 . 2 . 1	<a href="#">get it</a>			
<b>TS 06.61</b>	<b>Substitution and muting of lost frames for enhanced full rate speech traffic channels</b>				
R96	<i>current version:</i> 5.1.2	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</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		
	smg-20 11/10/1996 5 . 1 . 1	<a href="#">get it</a>			
	ETSI Publication 11/11/1996 5 . 1 . 2	<a href="#">get it</a>			

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<b>TS 06.62</b>	<b>Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels</b>								
R96	<i>current version:</i> 5.1.3	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation					
	<i>freeze_meeting:</i> smg-22	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> USAI, Paolino						
	<i>history (event, available, version,</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 #23: 5.1.3						
	smg-20 11/10/1996 5 . 1 . 1	<a href="#">get it</a>							
	smg-23 17/10/1997 5 . 1 . 3	<a href="#">get it</a>							
<hr/>									
<b>TS 06.81</b>	<b>Discontinuous Transmission (DTX) for enhanced full rate speech traffic channels</b>								
R96	<i>current version:</i> 5.2.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation					
	<i>freeze_meeting:</i> smg-22	<i>G:</i> yes <i>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 #22: 5.1.2 #30: 5.2.0						
	smg-20 11/10/1996 5 . 1 . 1	<a href="#">get it</a>							
	smg-22 13/06/1997 5 . 1 . 2	<a href="#">get it</a>							
	smg-30 11/11/1999 5 . 2 . 0	<a href="#">get it</a>							
	ETSI Publication 09/05/2000 5 . 2 . 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>								
R96	<i>current version:</i> 5.0.3	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> JÄRVINEN, Kari	NOKIA Corporation					
	<i>freeze_meeting:</i> smg-22	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> USAI, Paolino						
	<i>history (event, available, version,</i>								
	smg-17 02/02/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>						
	smg-20 11/10/1996 5 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release:</i> #17: 5.0.0 #20: 5.0.2 #22: 5.0.3						
	smg-22 13/06/1997 5 . 0 . 3	<a href="#">get it</a>							
<hr/>									
<b>TR 06.85</b>	<b>Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation</b>								
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	Telecom Italia Lab S.p.A.					
	<i>freeze_meeting:</i> smg-22	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> USAI, Paolino						
	<i>history (event, available, version,</i>								
	smg-26 26/06/1998 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>						
			<i>remarks - this release:</i> #26: 5.0.0						

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R96 07 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/07\\_series](http://www.3gpp.org/ftp/Specs/archive/07_series)

## TS 07.01 General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)

R96 current version: 5.9.1 WG (prime / other): N3 / - rapporteur: WIJK, Rune Werner 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: WIJK, Rune Werner 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:* WIJK, Rune Werner 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:</i> #18: 5.0.0 #20: 5.0.1 #21: 5.1.0 #22: 5.2.0 #23: 5.3.0 #24: 5.4.0
smg-21	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 Teleca 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:* TOMÉ, Olga 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  
*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

*WG (prime / other):* T2 / - *rapporteur:* RODERMUND, Vodafone D2 GmbH  
*G: yes U:* *MCC:* RODERMUND, Friedhelm

[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  
*history (event, available, version,*  
smg-24 19/12/1997 5 . 1 . 0

*WG (prime / other):* N3 / - *rapporteur:* WILD, Johanna MOTOROLA Ltd  
*G: yes U:* *MCC:* BOSWARTHICK, David

[get it](#) *remarks - general:*  
*remarks - this release:* #24: 5.1.0

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**TS 08.01 General Aspects on the BSS-MSC Interface**  
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):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*G: yes U:* *MCC:* Peter Skov  
THOMASEN, Gert

[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  
*history (event, available, version,*  
smg-20 11/10/1996 5 . 0 . 0  
smg-21 14/02/1997 5 . 1 . 0

*WG (prime / other):* G2 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*G: yes U:* *MCC:* Peter Skov  
THOMASEN, Gert

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

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<b>TS 08.04</b>	<b>Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification</b>					
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		Peter Skov			
		G: yes U:	<i>MCC:</i> 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 08.06</b>	<b>Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface</b>					
R96	<i>current version:</i> 5.3.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels		MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-22		Peter Skov			
		G: yes U:	<i>MCC:</i> THOMASEN, Gert			
<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>			
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>				
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<b>TS 08.08</b>	<b>Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification</b>					
R96	<i>current version:</i> 5.12.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels		MOTOROLA A/S	
	<i>freeze_meeting:</i> smg-22		Peter Skov			
		G: yes U:	<i>MCC:</i> THOMASEN, Gert			
<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:</i> .			
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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>				
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smg-25	5 . 9 . 0					
	29/06/1998	5 . 10 . 0	<a href="#">get it</a>			
smg-29	25/06/1999	5 . 11 . 0	<a href="#">get it</a>			
smg-31 bis	17/04/2000	5 . 12 . 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>								
R96	current version: 5.0.0	WG (prime / other): G2 / -	rapporteur: BLACK, Jyoti	MOTOROLA					
	freeze_meeting: smg-22	G: yes U:	MCC: THOMASEN, Gert						
	history (event, available, version, smg-24 19/12/1997 5 . 0 . 0 withdrawn smg-25	<a href="#">get it</a>	remarks - general: remarks - this release: .						
<b>TS 08.20</b>	<b>Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface</b>								
R96	current version: 5.4.0	WG (prime / other): N3 / -	rapporteur: RÄSÄNEN, Juha	NOKIA Corporation					
	freeze_meeting: smg-22	G: yes U:	MCC: BOSWARTHICK, David						
	history (event, available, version, smg-20 11/10/1996 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-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>							
<b>TS 08.51</b>	<b>Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects</b>								
R96	current version: 5.0.0	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels	MOTOROLA A/S					
	freeze_meeting: smg-22	G: yes U:	Peter Skov MCC: THOMASEN, Gert						
	history (event, available, version, smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	remarks - general: remarks - this release:						
<b>TS 08.52</b>	<b>Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles</b>								
R96	current version: 5.0.0	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels	MOTOROLA A/S					
	freeze_meeting: smg-22	G: yes U:	Peter Skov MCC: THOMASEN, Gert						
	history (event, available, version, smg-20 11/10/1996 5 . 0 . 0	<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>				
R96	current version: 5.0.0	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-16 20/10/1995 5 . 0 . 0	<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	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-20 11/10/1996 5 . 0 . 0	<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	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-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: #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		
	smg-19 28/06/1996 5 . 2 . 0	<a href="#">get it</a>	#25: 5.7.0 #26: 5.8.0 #29: 5.9.0 #30: 5.10.0		
	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-29 25/06/1999 5 . 9 . 0	<a href="#">get it</a>			
	smg-30 11/11/1999 5 . 10 . 0	<a href="#">get it</a>			

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**TS 08.60 In-band control of remote transcoders and rate adaptors for Enhanced Full Rate (EFR) and full rate traffic channels**  
R96 *current version:* 5.1.1 *WG (prime / other):* G1 / - *rapporteur:* ANDERSEN, Niels 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 Server location: [http://www.3gpp.org/ftp/Specs/archive/09\\_series](http://www.3gpp.org/ftp/Specs/archive/09_series)

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**TR 09.01 General Network Interworking Scenarios**  
R96 *current version:* 5.0.0 *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo SONERA Corporation  
*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: 5.17.1  
freeze\_meeting: smg-22  
history (event, available, version,

WG (prime / other): N4 / - rapporteur: WIEHE, Ulrich  
G: yes U: MCC: KYMALAINEN, Kimmo SIEMENS AG

smg-16	20/10/1995	5	.	0	.	0	<a href="#">get it</a>	remarks - general:	CN->N4 Apr00 (JMM)
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>		
ETSI publication	03/06/1997	5	.	4	.	1	<a href="#">get it</a>		
smg-21	14/02/1997	5	.	5	.	0	<a href="#">get it</a>		
edito	23/05/1997	5	.	5	.	1	<a href="#">get it</a>		
ETSI publication	05/11/1997	5	.	5	.	2	<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	23/07/1998	5	.	8	.	1	<a href="#">get it</a>		
smg-25	20/03/1998	5	.	9	.	0	<a href="#">get it</a>		
ETSI publication	09/03/1999	5	.	9	.	1	<a href="#">get it</a>		
smg-26	26/06/1998	5	.	10	.	0	<a href="#">get it</a>		
ETSI publication	05/09/1999	5	.	10	.	1	<a href="#">get it</a>		
smg-27	16/10/1998	5	.	11	.	0	<a href="#">get it</a>		
ETSI publication	23/03/1999	5	.	11	.	1	<a href="#">get it</a>		
smg-28	12/02/1999	5	.	12	.	0	<a href="#">get it</a>		
ETSI publication	04/08/1999	5	.	12	.	1	<a href="#">get it</a>		
smg-29	25/06/1999	5	.	13	.	0	<a href="#">get it</a>		
ETSI publication	29/12/1999	5	.	13	.	1	<a href="#">get it</a>		
NP-05	08/10/1999	5	.	14	.	0	<a href="#">get it</a>		
ETSI publication	09/05/2000	5	.	14	.	1	<a href="#">get it</a>		
NP-06	15/12/1999	5	.	15	.	0	<a href="#">get it</a>		
NP-09	13/11/2000	5	.	16	.	0	<a href="#">get it</a>		
NP-15	04/04/2002	5	.	17	.	0	<a href="#">get it</a>		
include SDLs	22/07/2002	5	.	17	.	1	<a href="#">get it</a>		

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<b>TS 09.03</b>	<b>Signalling Requirements on Interworking between the Intergrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) and the Public Land Mobile</b>
R96	<i>current version: Network (PLMN)</i>
ETSI Secretariat	5.0.0
	<i>WG (prime / other): N3 /- rapporteur: BOSWARTHICK, David</i>
	<i>freeze_meeting: smg-22</i>
	<i>history (event, available, version, smg-20 11/10/1996 5 . 0 . 0)</i>
	<i>G: yes U: MCC: BOSWARTHICK, David</i>
	<a href="#">get it</a> <i>remarks - general: N3: "no R99 needed".</i>
	<i>remarks - this release: #20: 5.0.0</i>
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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: 5.0.0</i>
ETSI Secretariat	<i>WG (prime / other): N3 /- rapporteur: BOSWARTHICK, David</i>
	<i>freeze_meeting: smg-22</i>
	<i>history (event, available, version, smg-20 11/10/1996 5 . 0 . 0)</i>
	<i>G: yes U: MCC: BOSWARTHICK, David</i>
	<a href="#">get it</a> <i>remarks - general: N3: "no R99 needed".</i>
	<i>remarks - this release: #20: 5.0.0</i>
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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: 5.0.0</i>
ETSI Secretariat	<i>WG (prime / other): N3 /- rapporteur: BOSWARTHICK, David</i>
	<i>freeze_meeting: smg-22</i>
	<i>history (event, available, version, smg-20 11/10/1996 5 . 0 . 0)</i>
	<i>G: yes U: MCC: BOSWARTHICK, David</i>
	<a href="#">get it</a> <i>remarks - general: N3: "no R99 needed".</i>
	<i>remarks - this release: #20: 5.0.0</i>
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<b>TS 09.06</b>	<b>Interworking between a Public Land Mobile Network (PLMN) and a Packet Switched Public Data Network/Intergrated Services digital Network (PSPDN/ISDN) for Support of Packet</b>
R96	<i>current version: Switched Data Transmission Services</i>
ETSI Secretariat	5.0.2
	<i>WG (prime / other): N3 /- rapporteur: BOSWARTHICK, David</i>
	<i>freeze_meeting: smg-22</i>
	<i>history (event, available, version, smg-19 28/06/1996 5 . 0 . 0)</i>
	<i>smg-20 11/10/1996 5 . 0 . 1</i>
	<i>ETSI Publication 11/11/1996 5 . 0 . 2</i>
	<i>G: yes U: MCC: BOSWARTHICK, David</i>
	<a href="#">get it</a> <i>remarks - general: N3: "no R99 needed".</i>
	<a href="#">get it</a> <i>remarks - this release: #19: 5.0.0 #20: 5.0.1</i>
	<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 Network (PSTN)</b>	5.10.1	WG (prime / other):	N3	/-	rapporteur:	KLEHN, Norbert
R96	current version:						
SIEMENS AG							
	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:	
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	smg-18 12/04/1996	5 . 1 . 0		<a href="#">get it</a>			#23: 5.5.0 #24: 5.6.0 #25: 5.7.0 #27: 5.8.0 #28: 5.9.0 N#6: 5.10.0
	smg-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>	5.1.0	WG (prime / other):	N1	/-	rapporteur:	FARHOUMAND, Ericsson Incorporated
R96	current version:						Rouzbeh
	freeze_meeting: smg-22					MCC:	JORGENSEN, Per Johan
	history (event, available, version,						
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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>	5.2.0	WG (prime / other):	N4	/-	rapporteur:	KYMALAINEN, Kimmo
R96	current version:						
SONERA Corporation	Procedures and the Mobile Application Part (MAP)						
	freeze_meeting: smg-22		G: yes	U:		MCC:	KYMALAINEN, Kimmo
	history (event, available, version,						
	smg-17 02/02/1996	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:	#17: 5.0.0 #18: 5.1.0 #23: 5.2.0
	smg-23 17/10/1997	5 . 2 . 0		<a href="#">get it</a>			

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<b>TS 09.11</b>	<b>Signalling Interworking for Supplementary Services</b>								
R96	current version: 5.1.0		WG (prime / other): N4 / -	rapporteur: WIEHE, Ulrich	SIEMENS AG				
	freeze_meeting: smg-22		G: yes U:	MCC: KYMALAINEN, Kimmo					
	history (event, available, version,								
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	smg-19 28/06/1996	5 . 1 . 0				<a href="#">get it</a>	remarks - this release: #18: 5.0.0 #19: 5.1.0		
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<b>TS 09.78</b>	<b>CAMEL Application Part phase 2 (stage 3)</b>								
R96	current version: 5.7.0		WG (prime / other): N2 / -	rapporteur: NOLDUS, Rogier	Telefon AB LM Ericsson				
	freeze_meeting: smg-22		G: yes U:	MCC: JURISIC, Andrijana					
	history (event, available, version,								
	smg-21 14/02/2000	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:		
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	smg-24 19/12/1997	5 . 3 . 0				<a href="#">get it</a>			
	smg-25 20/03/1998	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>			
	smg-29 25/06/1999	5 . 7 . 0				<a href="#">get it</a>			
<hr/>									
<b>TR 09.90</b>	<b>Interworking between Phase 1 Infrastructure and Phase 2 Mobile Stations (MS)</b>								
R96	current version: 5.1.0		WG (prime / other): N1 / -	rapporteur: HOWELL, Andrew	MOTOROLA Ltd				
	freeze_meeting: smg-22		G: yes U:	MCC: JORGENSEN, Per Johan					
	history (event, available, version,								
	<to be defined> 02/02/1996	5 . 0 . 0				<a href="#">get it</a>	remarks - general:		
	smg-22 02/01/2001	5 . 1 . 0				<a href="#">get it</a>	remarks - this release:		
<hr/>									
<b>TR 09.94</b>	<b>Recommended infrastructure measures to overcome specific Mobile Station (MS) faults</b>								
R96	current version: 5.1.0		WG (prime / other): N1 / -	rapporteur: ANDERSEN, Niels	MOTOROLA A/S				
	freeze_meeting:		G: yes U:	MCC: JORGENSEN, Per Johan					
	history (event, available, version,								
	smg-20 11/10/1996	5 . 0 . 0	withdrawn SMG-30; reinstated NP-16			<a href="#">get it</a>	remarks - general:		
	NP-16 26/06/2002	5 . 1 . 0				<a href="#">get it</a>	remarks - this release: 2002-05-02 (Hietalahti): Anticipate resurrection as null document pointing to latest Release version.		
<hr/>									

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

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Server ACTIVE specs R96 10 .- series  
[http://www.3gpp.org/ftp/Specs/archive/10\\_series](http://www.3gpp.org/ftp/Specs/archive/10_series)

R96 10 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/10\\_series](http://www.3gpp.org/ftp/Specs/archive/10_series)

## 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:* SULTAN, Alain  
*history (event, available, version,*  
smg-19 28/06/1996 5 . 0 . 0 [get it](#) *remarks - general:*  
smg-19 28/06/1996 5 . 1 . 0 [get it](#) *remarks - this release:* #19: 5.0.0 & 5.1.0 #20: 5.2.0 Jun00: version we have is actually 5.1.2 !  
smg-20 11/10/1996 5 . 2 . 0 [get it](#)  
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 SIEMENS AG  
*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:* SULTAN, Alain  
*history (event, available, version,*  
draft 23/07/1997 1 . 0 . 1 [get it](#) *remarks - general:* still alive? June-2001:no. So no propagation to later releases.  
smg-22 2 . 0 . 0 *remarks - this release:*  
smg-22 13/06/1997 5 . 0 . 0 [get it](#)

R96 11 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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

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Server ACTIVE specs R96 11 .- series  
[http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

## TS 11.10-1 Mobile station (MS) conformance specification; Part1: Conformance specification

R96 current version: 5.12.2 freeze\_meeting: smg-22 WG (prime / other): G5 / S1 / rapporteur: SALMERON, Lidia TELEPLUS LIMITED  
 NP /  
 T2 /  
 SCP  
 / G4

G: yes U: MCC: SALMERON, Lidia

### history (event, available, version,

	smg-18	12/04/1996	5	.	0	.	0	<a href="#">get it</a>	remarks - general: R99 version now serves all releases. Earlier releases closed.. Subsequently
	smg-21	14/02/1997	5	.	1	.	0	<a href="#">get it</a>	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	<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-26	06/06/1998	5	.	6	.	0	<a href="#">get it</a>	
	smg-27	16/10/1998	5	.	7	.	0	<a href="#">get it</a>	
	smg-28	12/02/1999	5	.	8	.	0	<a href="#">get it</a>	
	smg-29	25/06/1999	5	.	9	.	0	<a href="#">get it</a>	
	smg-30	11/11/1999	5	.	10	.	0	<a href="#">get it</a>	
	smg-31	16/02/2000	5	.	11	.	0	<a href="#">get it</a>	
Editorial correction	GP-06	06/09/2001	5	.	12	.	0	<a href="#">get it</a>	
Editorial correction	GP-06	06/09/2001	5	.	12	.	0	<a href="#">get it</a>	
Editorial correction	GP-06	06/09/2001	5	.	12	.	0	<a href="#">get it</a>	
Editorial correction	GP-06	06/09/2001	5	.	12	.	0	<a href="#">get it</a>	
Editorial correction	GP-06	06/09/2001	5	.	12	.	0	<a href="#">get it</a>	
Editorial correction	GP-06	06/09/2001	5	.	12	.	0	<a href="#">get it</a>	
Editorial correction	GP-06	06/09/2001	5	.	12	.	0	<a href="#">get it</a>	

## 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): G5 / S1 / rapporteur: SALMERON, Lidia TELEPLUS LIMITED  
 NP /  
 T2 /  
 SCP  
 / G4

G: yes U: MCC: SALMERON, Lidia

### history (event, available, version,

	smg-30	11/11/1999	5	.	0	.	0	<a href="#">get it</a>	remarks - general: 2001-11-19: G4->G5.
	smg-18	12/04/1996	5	.	0	.	0	<a href="#">get it</a>	remarks - this release: #32:closed GP-06: Rel-4 serves all releases.
ETSI publication	GP-06	06/09/2001	5	.	1	.	0	<a href="#">get it</a>	
	GP-06	06/09/2001	5	.	1	.	0	<a href="#">get it</a>	

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<b>TS 11.10-4</b>	<b>Mobile Station (MS) Conformance Specification; Part 4: SIM Application Toolkit conformance specification</b>								
R96	<i>current version:</i> 5.5.0	<i>WG (prime / other):</i> G5 / G4,	<i>rapporteur:</i> SALMERON, Lidia	TELEPLUS LIMITED					
	<i>freeze_meeting:</i> smg-22	T3							
		G: yes U:	MCC:	SALMERON, Lidia					
	<i>history (event, available, version,</i>								
	smg-30 11/11/1999	5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	2001-11-19: G4->G5. TP-14: may be txferred to T3. TP-17: T3 proposes to take				
	smg-31 16/02/2000	5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>	GP-06: Rel-4 serves all releases. TP-17: T3 proposes to take over this spec from over				
	this spec from G5, and to approve a new R99 version not derived from R96								
	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				by CR;
	also to withdraw the R96 version, since the R99 version will cover all								
	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.				
	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>						

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<b>TS 11.11</b>	<b>Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface</b>								
R96	<i>current version:</i> 5.10.1	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> GUTHERY, Scott B.	Mobile-Mind Inc.					
	<i>freeze_meeting:</i> smg-22	G: yes U:	MCC:	DIETZE, Claus					
	<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:</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>						
	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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G = required in systems with GERAN acces; U = required in systems with UMTS

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<b>TS 11.14</b>	<b>Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface</b>					
R96	<i>current version:</i> 5.9.0	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> WOODSEND, Kristian			Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i> smg-27	<i>G: yes U:</i>	<i>MCC:</i> DIETZE, Claus			
	<i>history (event, available, version,</i>					
	smg-18 12/04/1996 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 . 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	<i>current version:</i> 5.2.1	<i>WG (prime / other):</i> G3 / -	<i>rapporteur:</i> VACANT,			
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	<to be defined> 5 . 0 . 0		<i>remarks - general:</i>			
	smg-25 20/03/1998 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> .			
	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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R96 12 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

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<b>TS 12.02</b>	<b>Subscriber, Mobile Equipment (ME) and Services Data Administration</b>					
R96	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> S5 / S1	<i>rapporteur:</i> TRUSS, Michael			MOTOROLA Ltd
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version,</i>					
	smg-22 13/06/1997 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	Editorial correction 13/07/1997 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			

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<b>TS 12.05</b>	<b>Subscriber Related Call and Event Data</b>					
R96	<i>current version:</i> 5.0.1	<i>WG (prime / other):</i> S5 / S1	<i>rapporteur:</i> BENDER, James		Nortel Networks (USA)	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version,</i>					
	smg-23 17/10/1997 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	Editorial correction 17/10/1997 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i>			
<hr/>						
<b>TS 12.08</b>	<b>Subscriber and Equipment trace</b>					
R96	<i>current version:</i> 5.1.1	<i>WG (prime / other):</i> S5 / NP	<i>rapporteur:</i> RONKA, Kari		NOKIA Corporation	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> ZOICAS, Adrian			
	<i>history (event, available, version,</i>					
	smg-23 17/10/1997 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-25 20/03/1998 5 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	Editorial correction 20/03/1998 5 . 1 . 1	<a href="#">get it</a>				
<hr/>						
<b>TS 12.21</b>	<b>Network Management (NM) procedures and messages on the A-bis interface</b>					
R96	<i>current version:</i> 5.0.0	<i>WG (prime / other):</i> G3 / S5	<i>rapporteur:</i> TRUSS, Michael		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-21 14/02/1997 5 . 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>			

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## Ph2

Ph2

01 .- series

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**TS 01.02 General Description of a GSM Public Land Mobile Network (PLMN)**  
Ph2 *current version:* 4.0.2 *WG (prime / other):* S1 / GP / NP *rapporteur:* JORGENSEN, Niels H. TDC TELE DANMARK A/S  
*freeze\_meeting:* 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:* 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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**TS 02.01 Principles of telecommunication services supported by a GSM Public Land Mobile Network(PLMN)**  
Ph2 *current version:* 4.6.0 *WG (prime / other):* S1 / - *rapporteur:* KOKKOLA, Tommi NOKIA Corporation  
*freeze\_meeting:* G: yes U: MCC: CLAYTON, Michael  
*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-10 15/04/1994 4 . 4 . 0 [get it](#)  
smg-11 01/07/1994 4 . 4 . 1 [get it](#)  
smg-12 07/10/1994 4 . 5 . 0 [get it](#)  
smg-15 07/07/1995 4 . 6 . 0 [get it](#)

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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>	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>					
<hr/>							
<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>	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>					
<hr/>							
<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>	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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G = required in systems with GERAN acces; U = required in systems with UMTS

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## TS 02.06 Types of Mobile Stations (MS)

Ph2  
current version: 4.5.2  
freeze\_meeting:  
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:  
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:  
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  
SP-31 16/02/2000 4 . 5 . 0  
ETSI publication 29/08/2000 4 . 5 . 1

WG (prime / other): S3 / S1 / NP rapporteur: CHRISTOFFERSSON, Telia Promotor AB  
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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Server ACTIVE specs Ph2 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>				
Ph2	current version: 4.9.0		WG (prime / other): S1 / -	rapporteur: EVEN, Anne	France Telecom
	freeze_meeting:		G: yes U:	MCC: CLAYTON, Michael	
	history (event, available, version,				
	smg-07 25/06/1993	4 . 5 . 1	<a href="#">get it</a>	remarks - general:	
	smg-10 15/04/1994	4 . 6 . 0	<a href="#">get it</a>	remarks - this release:	
	ETSI OAP 21/08/1995	4 . 7 . 0	<a href="#">get it</a>		
	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	current version: 4.7.1		WG (prime / other): S1 / -	rapporteur: EVEN, Anne	France Telecom
	freeze_meeting:		G: yes U:	MCC: CLAYTON, Michael	
	history (event, available, version,				
	smg-07 25/06/1993	4 . 3 . 1	<a href="#">get it</a>	remarks - general:	
	smg-12 07/10/1994	4 . 4 . 0	<a href="#">get it</a>	remarks - this release:	
	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	current version: 4.3.3		WG (prime / other): T3 / S1	rapporteur: HOOKER, Philip	ORANGE PCS LTD
	freeze_meeting:		G: yes U:	MCC: DIETZE, Claus	
	history (event, available, version,				
	.. 30/08/2001	4 . 0 . 0	<a href="#">get it</a>	remarks - general:	
	smg-02 30/08/2001	4 . 1 . 0 167/92	<a href="#">get it</a>	remarks - this release:	
	smg-05 25/06/1993	4 . 2 . 0 98/93	<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>		
	.. 30/08/2001	4 . 3 . 2	<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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Server ACTIVE specs Ph2 02 .- series  
[http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

<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:	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:	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:	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:	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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[http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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## TS 02.81 Line Identification Supplementary Services; Stage 1

Ph2 current version: 4.6.1

freeze\_meeting:

history (event, available, version,

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

WG (prime / other): S1 / - rapporteur: BLOMSTRAND, Ola TELIA AB

G: yes U: MCC: CLAYTON, Michael

[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](#)

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[get it](#)

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## TS 02.82 Call Forwarding (CF) Supplementary Services; Stage 1

Ph2 current version: 4.5.2

freeze\_meeting:

history (event, available, version,

smg-07	25/06/1993	4	.	4	.	2
smg-10	15/04/1994	4	.	5	.	0
smg-16	20/10/1995	4	.	5	.	2

WG (prime / other): S1 / - rapporteur: EVEN, Anne France Telecom

G: yes U: MCC: CLAYTON, Michael

[get it](#)

remarks - general:

[get it](#)

remarks - this release: #7: 4.4.2 #10: 4.5.0 #16: 4.5.2

[get it](#)

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## TS 02.83 Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1

Ph2 current version: 4.6.7

freeze\_meeting:

history (event, available, version,

smg-07	25/06/1993	4	.	6	.	3
smg-10	15/04/1994	4	.	6	.	5
smg-16	20/10/1995	4	.	6	.	7

WG (prime / other): S1 / - rapporteur: JORGENSEN, Niels H. TDC TELE DANMARK A/S

G: yes U: MCC: CLAYTON, Michael

[get it](#)

remarks - general:

[get it](#)

remarks - this release: #7: 4.6.3 #10: 4.6.5 #16: 4.6.7

[get it](#)

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## TS 02.84 MultiParty (MPTY) Supplementary Services; Stage 1

Ph2 current version: 4.4.7

freeze\_meeting:

history (event, available, version,

smg-07	25/06/1993	4	.	4	.	2
smg-11	01/07/1994	4	.	4	.	5
smg-16	20/10/1995	4	.	4	.	7

WG (prime / other): S1 / - rapporteur: POSTMANN, Erwin SIEMENS AG

G: yes U: MCC: CLAYTON, Michael

[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:  
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 TELIA 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:  
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:  
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:  
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

Server location: [http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

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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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<b>TS 03.01</b>	<b>Network Functions</b>								
Ph2	current version: 4.0.4			WG (prime / other): S2 / NP	rapporteur: GAASVIK, Per-Ola		COMVIQ	GSMAB	
	freeze_meeting:			G: yes U:	MCC: SULTAN, Alain				
	history (event, available, version,								
	smg-07 25/06/1993	4	.	0	.	1			
	ETSI Publication 25/07/1993	4	.	0	.	4			
				<a href="#">get it</a>	remarks - general: SMG3->SA2 @ TSG#7				
				<a href="#">get it</a>	remarks - this release: #7: 4.0.1				
<hr/>									
<b>TS 03.02</b>	<b>Network Architecture</b>								
Ph2	current version: 4.2.1			WG (prime / other): S2 / NP /	rapporteur: SULTAN, Alain		SOURCE	COM	
	freeze_meeting:			T2	MCC: SULTAN, Alain				
	history (event, available, version,			G: yes U:					
	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>	remarks - general:				
				<a href="#">get it</a>	remarks - this release: #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	current version: 4.11.1			WG (prime / other): N4 / T2	rapporteur: RUSSELL, Nick		VODAFONE	Group Plc	
	freeze_meeting:			G: yes U:	MCC: KYMALAINEN, Kimmo				
	history (event, available, version,								
	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>	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>					
				<a href="#">get it</a>					
<hr/>									
<b>TS 03.04</b>	<b>Signalling Requirements Relating to Routing of Calls to Mobile Subscribers</b>								
Ph2	current version: 4.0.4			WG (prime / other): N4 / SPA	rapporteur: KYMALAINEN, Kimmo		SONERA	Corporation	
	freeze_meeting:			N /					
				T2	MCC: KYMALAINEN, Kimmo				
	history (event, available, version,			G: yes U:					
	smg-07 25/06/1993	4	.	0	.	1			
	Publication 19/01/1996	4	.	0	.	4			
				<a href="#">get it</a>	remarks - general:				
				<a href="#">get it</a>	remarks - this release: #7: 4.0.1				
<hr/>									

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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:	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:			
	smg-19 28/06/1996	4	. 1	. 0	<a href="#">get it</a>	remarks - this release: #7: 4.0.0 #19:4.1.0			
<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:	G: yes	U:	MCC:	Chalmers KYMALAINEN, Kimmo				
	history (event, available, version,								
	smg-07 25/06/1993	4	. 2	. 0	<a href="#">get it</a>	remarks - general:			
	smg-10 15/04/1994	4	. 3	. 0	<a href="#">get it</a>	remarks - this release:			
	Publication 19/01/1996	4	. 3	. 1	<a href="#">get it</a>				
<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:	G: yes	U:	MCC:	KYMALAINEN, Kimmo				
	history (event, available, version,								
	smg-07 25/06/1993	4	. 5	. 0	<a href="#">get it</a>	remarks - general:			
	smg-08 01/10/1993	4	. 5	. 1	<a href="#">get it</a>	remarks - this release:			
	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-18 12/04/1996	4	. 8	. 0	<a href="#">get it</a>				
<b>TS 03.09</b>	<b>Handover Procedures</b>								
Ph2	current version: 4.6.0	WG (prime / other):	N1 / -	rapporteur:	FARHOUMAND, Rouzbeh	Ericsson Incorporated			
	freeze_meeting:	G: yes	U:	MCC:	JORGENSEN, Per Johan				
	history (event, available, version,								
	smg-07 25/06/1993	4	. 1	. 0	<a href="#">get it</a>	remarks - general:			
	smg-08 01/10/1993	4	. 2	. 0	<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			
	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-12 07/10/1994	4	. 5	. 0	<a href="#">get it</a>				
	smg-17 02/02/1996	4	. 6	. 0	<a href="#">get it</a>				

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## TS 03.10 GSM Public Land Mobile Network (PLMN) Connection Types

Ph2 current version: 4.3.1

freeze\_meeting:

history (event, available, version,

smg-07 25/06/1993 4 . 2 . 1

smg-08 01/10/1993 4 . 3 . 0

Publication 13/09/1994 4 . 3 . 1

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 03.11 Technical Realization of Supplementary Services - General Aspects

Ph2 current version: 4.10.1

freeze\_meeting:

history (event, available, version,

smg-07 4 . 4 . 0

ETSI public 24/10/2002 4 . 4 . 1

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

ETSI publication 24/10/2002 4 . 8 . 1

smg-14 24/10/2002 4 . 9 . 0 ETSI oap version

ETSI publication 24/10/2002 4 . 9 . 1

ETSI public 4 . 10 . 0

smg-18 12/04/1996 4 . 10 . 1

WG (prime / other): N4 / - rapporteur: HABERMANN, Steffen T-MOBILE DEUTSCHLAND

G: yes U: MCC: KYMALAINEN, Kimmo

[get it](#) remarks - general:

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

[get it](#)

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## TS 03.12 Location Registration Procedures

Ph2 current version: 4.4.2

freeze\_meeting:

history (event, available, version,

smg-07 25/06/1993 4 . 3 . 0

smg-08 01/10/1993 4 . 4 . 0

Publication 13/09/1994 4 . 4 . 2

WG (prime / other): N4 / - rapporteur: KYMALAINEN, Kimmo SONERA Corporation

G: yes U: MCC: KYMALAINEN, Kimmo

[get it](#) remarks - general:

[get it](#) remarks - this release: #7: 4.3.0 #8: 4.4.0

[get it](#)

## TS 03.13 Discontinuous Reception (DRX) in the GSM System

Ph2 current version: 4.0.4

freeze\_meeting:

history (event, available, version,

smg-07 25/06/1993 4 . 0 . 1

Publication 13/09/1994 4 . 0 . 4

WG (prime / other): G1 / - rapporteur: USAI, Paolino Telecom Italia Lab S.p.A.

G: yes U: MCC: USAI, Paolino

[get it](#) remarks - general:

[get it](#) remarks - this release: #7: 4.0.1

[get it](#)

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<b>TS 03.14</b>	<b>Support of Dual Tone Multi-Frequency Signalling (DTMF) via the GSM System</b>								
Ph2	<i>current version:</i> 4.1.1	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> ZAUS, Robert	SIEMENS AG					
	<i>freeze_meeting:</i>	G: yes U:	<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>	G: yes U:	Chalmers						
	<i>history (event, available, version,</i>		<i>MCC:</i> KYMALAINEN, Kimmo						
	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	SIEMENS AG					
	<i>freeze_meeting:</i>	G: yes U:	<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>				
<hr/>									
<b>TS 03.20</b>	<b>Security-related Network Functions</b>								
Ph2	<i>current version:</i> 4.4.1	<i>WG (prime / other):</i> S3 / NP / GP	<i>rapporteur:</i> NGUYEN NGOC, Sebastien	France Telecom					
	<i>freeze_meeting:</i>	G: yes U:	<i>MCC:</i> POPE, Maurice						
	<i>history (event, available, version,</i>								
	smg-07 25/06/1993 4 . 2 . 1				<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>			
	smg-17 02/02/1996 4 . 3 . 2				<a href="#">get it</a>				
	smg-21 14/02/1997 4 . 4 . 0				<a href="#">get it</a>				
	Publication 26/08/1997 4 . 4 . 1				<a href="#">get it</a>				

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

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<b>TS 03.22</b>	<b>Functions related to Mobile Station (MS) in idle mode and group receive mode</b>					
Ph2	<i>current version:</i> 4.11.0	<i>WG (prime / other):</i> G1 / N1	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S		
	<i>freeze_meeting:</i>		Peter Skov			
		G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version,</i>					
	smg-07 25/06/1993 4 . 4 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Moved from SMG3 Jan 2000. Moved from G2 Mar 2001. 2001-07: title grows "and			
	smg-09 21/01/1994 4 . 5 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> group receive mode".			
	smg-10 15/04/1994 4 . 6 . 0	<a href="#">get it</a>				
	smg-11 01/07/1994 4 . 7 . 0	<a href="#">get it</a>				
	smg-12 07/10/1994 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-17 02/02/1996 4 . 11 . 0	<a href="#">get it</a>				
<hr/>						
<b>TR 03.26</b>	<b>Multiband operation of GSM/DCS 1800 by a single operator</b>					
Ph2	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> G1 / NP	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S		
	<i>freeze_meeting:</i>		Peter Skov			
		G: yes U:	MCC: USAI, Paolino			
	<i>history (event, available, version,</i>					
	smg-18 12/04/1996 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-22 13/06/1997 4 . 2 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-23 17/10/1997 4 . 3 . 0	<a href="#">get it</a>				
<hr/>						
<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	TELIA AB		
	<i>freeze_meeting:</i>		MCC: 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:</i> #7: 4.2.0 #9: 4.2.1 #13: 4.3.0			
	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	Teleca Limited		
	<i>freeze_meeting:</i>		MCC: RODERMUND, Friedhelm			
	<i>history (event, available, version,</i>					
	smg-10 15/04/1994 4 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	Publication 13/09/1994 4 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> #10: 4.0.0			

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## TS 03.40 Technical Realization of the Short Message Service (SMS) Point-to-poin (PP)

Ph2 *current version:* 4.13.0 *WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Teleca Limited  
*freeze\_meeting:* *G:* yes *U:* *MCC:* RODERMUND, Friedhelm

*history (event, available, version,*

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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## TS 03.41 Technical Realization of Short Message Service Cell Broadcast (SMSCB)

Ph2 *current version:* 4.11.0 *WG (prime / other):* T2 / - *rapporteur:* HARRIS, Ian Teleca Limited  
*freeze\_meeting:* *G:* yes *U:* *MCC:* RODERMUND, Friedhelm

*history (event, available, version,*

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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## TR 03.43 Support of Videotex

Ph2 *current version:* 4.1.2 *WG (prime / other):* T2 / - *rapporteur:* DI TRIA, Paolo Telecom Italia Lab S.p.A.  
*freeze\_meeting:* *G:* yes *U:* *MCC:* RODERMUND, Friedhelm

*history (event, available, version,*

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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## TR 03.44 Support of Teletex in a GSM Public Land Mobile Network (PLMN)

Ph2 *current version:* 4.0.1 *WG (prime / other):* T2 / - *rapporteur:* RODERMUND, Vodafone D2 GmbH  
*freeze\_meeting:* *G:* yes *U:* *MCC:* RODERMUND, Friedhelm

*history (event, available, version,*

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



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## TS 03.45 Technical Realization of Facsimile Group 3 Service - transparent

Ph2 *current version:* 4.5.0 *WG (prime / other):* N3 / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*freeze\_meeting:* 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:*  
smg-09 21/01/1994 4 . 3 . 1 [get it](#)  
smg-10 15/04/1994 4 . 4 . 0 [get it](#)  
smg-11 01/07/1994 4 . 4 . 1 [get it](#)  
smg-14 07/04/1995 4 . 5 . 0 [get it](#)

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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:* 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:* G: yes U: *MCC:* 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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<b>TR 03.49</b>	<b>Example protocol stacks for interconnecting Cell Broadcast Centre (CBC) and Base Station Controller (BSC)</b>				
Ph2	<i>current version:</i> 4.6.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> RODERMUND,	Vodafone D2 GmbH	
	<i>freeze_meeting:</i>	<i>G: yes U:</i>	<i>MCC:</i> RODERMUND, Friedhelm		
	<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> #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		<a href="#">get it</a>		
	smg-12 07/10/1994 4 . 4 . 0		<a href="#">get it</a>		
	smg-13 27/01/1995 4 . 5 . 0		<a href="#">get it</a>		
	smg-16 20/10/1995 4 . 6 . 0		<a href="#">get it</a>		
<hr/>					
<b>TS 03.50</b>	<b>Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System</b>				
Ph2	<i>current version:</i> 4.6.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	Telecom Italia Lab S.p.A.	
	<i>freeze_meeting:</i>	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<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 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #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	<i>current version:</i> 4.0.3	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat	
	<i>freeze_meeting:</i>	<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	
	Publication 19/01/1996 4 . 0 . 3		<a href="#">get it</a>		

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## TS 03.81 Line Identification Supplementary Services; Stage 2

Ph2 current version: 4.8.1

freeze\_meeting:

history (event, available, version,

smg-07	25/06/1993	4	.	1	.	0
smg-09	01/10/1993	4	.	2	.	0
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-19	28/06/1996	4	.	6	.	0
smg-24	19/12/1997	4	.	7	.	0
smg-26	26/06/1998	4	.	8	.	0
Editorial	26/07/1998	4	.	8	.	1

WG (prime / other): N4 / - rapporteur: KYMALAINEN, Kimmo SONERA Corporation

G: yes U: MCC: KYMALAINEN, Kimmo

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remarks - general:

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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

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## TS 03.82 Call Forwarding (CF) Supplementary Services; Stage 2

Ph2 current version: 4.8.1

freeze\_meeting:

history (event, available, version,

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

WG (prime / other): N4 / - rapporteur: KYMALAINEN, Kimmo SONERA Corporation

G: yes U: MCC: KYMALAINEN, Kimmo

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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

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## TS 03.83 Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 2

Ph2 current version: 4.4.1

freeze\_meeting:

history (event, available, version,

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

WG (prime / other): N4 / - rapporteur: SHARP, Iain NORTEL NETWORKS (EUROPE)

G: yes U: MCC: KYMALAINEN, Kimmo

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remarks - general:

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remarks - this release: #7: 4.3.0 #11: 4.3.2 #12: 4.4.0

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## TS 03.84 Multi Party (MPHY) Supplementary Services; Stage 2

Ph2 current version: 4.4.1

freeze\_meeting:

history (event, available, version,

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

WG (prime / other): N4 / - rapporteur: HABERMANN, Steffen T-MOBILE DEUTSCHLAND

G: yes U: MCC: KYMALAINEN, Kimmo

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remarks - general:

[get it](#)

remarks - this release: #7: 4.1.0 #9: 4.2.0 #10: 4.3.0 #12: 4.4.0

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## TS 03.85 Closed user Group (CUG) Supplementary Services; Stage 2

Ph2 current version: 4.2.1

freeze\_meeting:

history (event, available, version,

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

WG (prime / other): N4 / - rapporteur: WIEHE, Ulrich SIEMENS AG

G: yes U: MCC: KYMALAINEN, Kimmo

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remarks - general:

[get it](#)

remarks - this release:

[get it](#)

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## TS 03.86 Advice of Charge (AoC) Supplementary Services; Stage 2

Ph2 current version: 4.6.1

freeze\_meeting:

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 SIEMENS AG

G: yes U: MCC: KYMALAINEN, Kimmo

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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

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

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## TS 03.88 Call Barring (CB) supplementary services; Stage 2

Ph2  
current version: 4.6.1  
freeze\_meeting:  
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 SIEMENS AG  
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](#)

## TS 03.90 Unstructured Supplementary Service Data (USSD)

Ph2  
current version: 4.1.1  
freeze\_meeting:  
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](#)

Ph2 04 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

## TS 04.01 Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles

Ph2  
current version: 4.0.4  
freeze\_meeting:  
history (event, available, version,  
smg-07 25/06/1993 4 . 0 . 1  
ETSI publication 19/01/1996 4 . 0 . 4

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: #7: 4.0.1

## TS 04.02 GSM Public Land Mobile Network (PLMN) Access Reference Configuration

Ph2  
current version: 4.0.4  
freeze\_meeting:  
history (event, available, version,  
smg-07 25/06/1993 4 . 0 . 1  
ETSI publication 19/01/1996 4 . 0 . 4

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: #7: 4.0.1

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

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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 04.03</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>		Peter Skov			
		G: yes U:	MCC: 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>	G: yes U:	MCC: 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>		Peter Skov			
		G: yes U:	MCC: 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>			
<hr/>						
<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>		Peter Skov			
		G: yes U:	MCC: 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>				

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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/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

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## TS 04.07 Mobile Radio Interface Signalling Layer 3 - General Aspects

Ph2 current version: 4.3.1

freeze\_meeting:

history (event, available, version,

smg-07 25/06/1993 4 . 1 . 1

smg-10 15/04/1994 4 . 2 . 0

smg-12 07/10/1994 4 . 3 . 0

ETSI Publication 07/11/1997 4 . 3 . 1

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:

[get it](#)

[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 Ph2 04 .- series  
[http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

## TS 04.08 Mobile radio interface layer 3 specification

Ph2 current version: 4.24.0

freeze\_meeting:

history (event, available, version,

smg-07	25/06/1993	4	.	5	.	0
smg-08	01/10/1993	4	.	6	.	0
smg-09	21/01/1994	4	.	7	.	0
smg-10	15/04/1994	4	.	8	.	0
smg-11	01/07/1994	4	.	9	.	0
smg-12	07/10/1994	4	.	10	.	0
smg-14	07/04/1995	4	.	11	.	0
smg-15	07/07/1995	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
ETSI publication	09/01/1997	4	.	16	.	1
smg-20	11/10/1996	4	.	17	.	0
ETSI publication	12/05/1997	4	.	17	.	1
smg-21	14/02/1997	4	.	18	.	0
ETSI PE	15/08/1997	4	.	19	.	1
ETSI publication	31/12/1997	4	.	19	.	2
smg-23	17/10/1997	4	.	20	.	1
smg-24	19/12/1997	4	.	21	.	0
ETSI publication	26/06/1998	4	.	21	.	1
smg-25	20/03/1998	4	.	22	.	0
ETSI publication	23/10/1998	4	.	22	.	1
smg-28	12/02/1999	4	.	23	.	0
ETSI publication	05/10/1999	4	.	23	.	1
NP-18		4	.	24	.	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  
remarks - this release: Thomasen (even numbered CRs!)

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



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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:*

*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:*

*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:*

*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 access; U = required in systems with UMTS

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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)

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## TS 04.13 Performance Requirements on Mobile Radio Interface

Ph2 current version: 4.2.0

freeze\_meeting:

history (event, available, version,

smg-10	15/04/1994	4	.	0	.	0
smg-14	07/04/1995	4	.	0	.	2
smg-15	07/07/1995	4	.	1	.	0
smg-16	20/10/1995	4	.	2	.	0

WG (prime / other): N1 / - rapporteur: PUDNEY, Chris VODAFONE Group Plc

G: yes U: MCC: JORGENSEN, Per Johan

[get it](#)

remarks - general:

[get it](#)

remarks - this release: #10: 4.0.0 #14: 4.0.2 #15: 4.1.0 #16: 4.2.0

[get it](#)

[get it](#)

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## TS 04.21 Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface

Ph2 current version: 4.6.1

freeze\_meeting:

history (event, available, version,

smg-07	25/06/1993	4	.	2	.	1
smg-08	01/10/1993	4	.	3	.	0
smg-11	01/07/1994	4	.	4	.	0
smg-13	27/01/1995	4	.	5	.	0
smg-14	07/04/1995	4	.	6	.	0

published version 02/03/2000 4 . 6 . 1  
of ETS replacing  
OAP v

WG (prime / other): N3 / - rapporteur: RÄSÄNEN, Juha NOKIA Corporation

G: yes U: MCC: BOSWARTHICK, David

[get it](#)

remarks - general:

[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

[get it](#)

version of ETS replacing OAP version

[get it](#)

[get it](#)

[get it](#)

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## TS 04.22 Radio Link Protocol (RLP) for data and telematic services on the Mobile Station - Base Station System (MS - BSS) interface and the Base Station System - Mobile-services

Ph2 current version: Switching Centre (BSS - MSC) interface

SIEMENS AG

4.5.1 WG (prime / other): N3 / - rapporteur: KLEHN, Norbert

freeze\_meeting:

history (event, available, version,

smg-07	25/06/1993	4	.	2	.	2
smg-08	01/10/1993	4	.	3	.	0
smg-13	27/01/1995	4	.	4	.	0
smg-25	20/03/1998	4	.	5	.	0
Editorial	20/04/1998	4	.	5	.	1

G: yes U: MCC: BOSWARTHICK, David

[get it](#)

remarks - general:

[get it](#)

remarks - this release: #7: 4.2.2 #8: 4.3.0 #13: 4.4.0 #25: 4.5.0

[get it](#)

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

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<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	SIEMENS AG	
	<i>freeze_meeting:</i>	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>			

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<b>TS 04.81</b>	<b>Line Identification Supplementary Services; Stage 3</b>				
Ph2	<i>current version:</i> 4.4.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	SIEMENS AG	
	<i>freeze_meeting:</i>	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: #7: 4.2.0 #10: 4.3.0 #12: 4.4.0</i>		
	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>			

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<b>TS 04.82</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 3</b>				
Ph2	<i>current version:</i> 4.9.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	SIEMENS AG	
	<i>freeze_meeting:</i>	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: #7: 4.6.0 #11: 4.7.0 #12: 4.8.0 #17: 4.9.0</i>		
	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>			

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<b>TS 04.83</b>	<b>Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 3</b>				
Ph2	<i>current version:</i> 4.6.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> SHARP, Iain	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i>	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: #7: 4.4.0 #9: 4.5.0 #17: 4.6.0</i>		
	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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G = required in systems with GERAN access; U = required in systems with UMTS

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**TS 04.84 Multi Party (MPHY) Supplementary Services; Stage 3**

Ph2 *current version:* 4.3.2

*freeze\_meeting:*

*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:*

*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

SIEMENS AG

[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:*

*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

SIEMENS AG

[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:*

*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

SIEMENS AG

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

[get it](#) *remarks - this release: #7: 4.6.0 #17: 4.7.0*

[get it](#)

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

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## TS 04.90 Unstructured Supplementary Service Data (USSD)

Ph2 *current version:* 4.1.1

*freeze\_meeting:*

*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

SONERA Corporation

*G:* yes *U:*

*MCC:* KYMALAINEN, Kimmo

[get it](#)

*remarks - general:*

[get it](#)

*remarks - this release:* #8: 4.0.0 #12: 4.1.0

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Ph2

05 .- series

Server location: [http://www.3gpp.org/ftp/Specs/archive/05\\_series](http://www.3gpp.org/ftp/Specs/archive/05_series)

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## TS 05.01 Physical Layer on the Radio Path (General Description)

Ph2 *current version:* 4.6.0

*freeze\_meeting:*

*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

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*G:* yes *U:*

*MCC:* USAI, Paolino

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*remarks - general:*

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*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:

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

G: yes U: MCC: USAI, Paolino

NOKIA Corporation

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## TS 05.03 Channel coding

Ph2 current version: 4.5.1

freeze\_meeting:

history (event, available, version,

smg-07 25/06/1993 4 . 1 . 0

smg-13 27/01/1995 4 . 2 . 0

smg-15 07/07/1995 4 . 3 . 0

smg-21 14/02/1997 4 . 4 . 0

smg-22 13/06/1997 4 . 5 . 0

Editorial 13/07/1997 4 . 5 . 1

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

G: yes U: MCC: USAI, Paolino

NOKIA Corporation

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## TS 05.04 Modulation

Ph2 current version: 4.0.3

freeze\_meeting:

history (event, available, version,

smg-07 25/06/1993 4 . 0 . 0

ETSI publication 13/09/1994 4 . 0 . 3

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

G: yes U: MCC: USAI, Paolino

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## TS 05.05 Radio Transmission and Reception

Ph2 current version: 4.23.1

freeze\_meeting:

history (event, available, version,

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
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

WG (prime / other): G1 / - rapporteur: SAMUELSSON, Mats  
G: yes U: MCC: USAI, Paolino

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**TS 05.08 Radio Subsystem Link Control**

Ph2 current version: 4.22.1

freeze\_meeting:

history (event, available, version,

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

WG (prime / other): G1 / - rapporteur: EL-SAIGH, Amer  
G: yes U: MCC: USAI, Paolino

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**TS 05.10 Radio subsystem synchronization**

Ph2 current version: 4.9.0

freeze\_meeting:

history (event, available, version,

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

WG (prime / other): G1 / - rapporteur: JOKINEN, Harri  
G: yes U: MCC: USAI, Paolino

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<b>TR 05.22</b>	<b>Radio link management in hierarchical networks</b>				
Ph2	current version: 4.0.0	WG (prime / other): G1 / -	rapporteur: VAN BUSSEL, Han	T-MOBILE DEUTSCHLAND	
	freeze_meeting:	G: yes U:	MCC: USAI, Paolino		
	history (event, available, version,				
	smg-18 12/04/1996 4 . 0 . 0	<a href="#">get it</a>	remarks - general:		
			remarks - this release: #18: 4.0.0		
<hr/>					
<b>TR 05.50</b>	<b>Background for RF Requirements</b>				
Ph2	current version: 4.2.0	WG (prime / other): G1 / -	rapporteur: ANDERSEN, Niels	MOTOROLA A/S	
	freeze_meeting:	G: yes U:	Peter Skov		
	history (event, available, version,		MCC: USAI, Paolino		
	smg-08 01/10/1993 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: #8: 4.0.0 #13: 4.1.0 #17: 4.2.0		
	smg-17 02/02/1996 4 . 2 . 0	<a href="#">get it</a>			
<hr/>					
<b>TR 05.90</b>	<b>GSM Electromagnetic Compatibility (EMC) considerations</b>				
Ph2	current version: 4.3.0	WG (prime / other): G1 / -	rapporteur: USAI, Paolino	Telecom Italia Lab S.p.A.	
	freeze_meeting:	G: yes U:	MCC: USAI, Paolino		
	history (event, available, version,				
	smg-07 4 . 1 . 0		remarks - general:		
	smg-08 4 . 2 . 0		remarks - this release:		
	ETSI publication 15/02/1994 4 . 2 . 1	<a href="#">get it</a>			
	smg-15 15/08/1995 4 . 3 . 0	<a href="#">get it</a>			

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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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<b>TS 06.01</b>	<b>Full Rate Speech Processing Functions</b>				
Ph2	current version: 4.0.7	WG (prime / other): S4 / -	rapporteur: USAI, Paolino	Telecom Italia Lab S.p.A.	
	freeze_meeting:	G: yes U:	MCC: USAI, Paolino		
	history (event, available, version,				
	smg-07 25/06/1993 4 . 0 . 2	<a href="#">get it</a>	remarks - general:		
	smg-23 17/10/1997 4 . 0 . 6	<a href="#">get it</a>	remarks - this release:		
	ETSI Publication 07/04/1998 4 . 0 . 7	<a href="#">get it</a>			

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<b>TS 06.02</b>	<b>Half Rate Speech Processing Functions</b>					
Ph2	<i>current version:</i> 4.0.2	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i>	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>			
	ETSI Publication 19/12/1995 4 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release: #13: 4.0.0</i>			
<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>	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>			
	smg-16 20/10/1995 4 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release: #13: 4.0.0 #16: 4.0.2 #17: 4.1.0 #23: 4.2.0</i>			
	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>	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>			
	smg-20 11/10/1996 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release: #13: 4.0.0 #20: 4.1.0 #22: 4.2.0</i>			
	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>	G: yes U:	MCC: 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: #16: 4.0.0</i>			

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<b>TS 06.10</b>	<b>Full Rate Speech Transcoding</b>					
Ph2	<i>current version:</i> 4.3.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> LORENZ, Dietmar	PHILIPS Semiconductors		
	<i>freeze_meeting:</i>	G: yes U:	MCC: 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>			
	smg-23 17/10/1997 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>			
	smg-32 20/06/2000 4 . 2 . 0	<a href="#">get it</a>				
	Editorial 20/07/2000 4 . 2 . 1	<a href="#">get it</a>				
	Correction of figure 3.2 29/06/2001 4 . 3 . 0	<a href="#">get it</a>				
<b>TS 06.11</b>	<b>Substitution and Muting of Lost Frames for Full Rate Speech Channels</b>					
Ph2	<i>current version:</i> 4.0.6	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> NAVARRO, William	NORTEL NETWORKS (EUROPE)		
	<i>freeze_meeting:</i>	G: yes U:	MCC: 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: #7: 4.0.1 #23: 4.0.5</i>			
	ETSI Publication 07/04/1998 4 . 0 . 6	<a href="#">get it</a>				
<b>TS 06.12</b>	<b>Comfort Noise Aspects for Full Rate Speech Traffic Channels</b>					
Ph2	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> SERENO, Daniele	TELECOM ITALIA S.p.A.		
	<i>freeze_meeting:</i>	G: yes U:	MCC: 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>			
	ETSI Publication 13/09/1994 4 . 0 . 4	<a href="#">get it</a>	<i>remarks - this release: #7: 4.0.1</i>			
	SP-12 29/06/2001 4 . 1 . 0	<a href="#">get it</a>				
<b>TS 06.20</b>	<b>Half Rate Speech Transcoding</b>					
Ph2	<i>current version:</i> 4.3.1	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> AFTELAK, Steve	MOTOROLA Ltd		
	<i>freeze_meeting:</i>	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>			
	smg-14 07/04/1995 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release: #13: 4.0.0 #14: 4.1.0 #17: 4.3.0</i>			
	smg-17 02/02/1996 4 . 3 . 0	<a href="#">get it</a>				
	ETSI Publication 03/03/1996 4 . 3 . 1	<a href="#">get it</a>				

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<b>TS 06.21</b>	<b>Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels</b>								
Ph2	current version: 4.0.2	WG (prime / other):	S4 / -	rapporteur:	AFTELAK, Steve	MOTOROLA Ltd			
	freeze_meeting:	G: yes	U:	MCC:	USAI, Paolino				
	history (event, available, version,								
	smg-13 27/01/1995	4	. 0 . 0	<a href="#">get it</a>	remarks - general:				
	ETSI Publication 19/12/1995	4	. 0 . 2	<a href="#">get it</a>	remarks - this release: #13: 4.0.0				
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<b>TS 06.22</b>	<b>Comfort Noise Aspects for Half Rate Speech Traffic Channels</b>								
Ph2	current version: 4.1.1	WG (prime / other):	S4 / -	rapporteur:	AFTELAK, Steve	MOTOROLA Ltd			
	freeze_meeting:	G: yes	U:	MCC:	USAI, Paolino				
	history (event, available, version,								
	smg-13 27/01/1995	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: #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 06.31</b>	<b>Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels</b>								
Ph2	current version: 4.0.5	WG (prime / other):	S4 / -	rapporteur:	USAI, Paolino	Telecom Italia Lab S.p.A.			
	freeze_meeting:	G: yes	U:	MCC:	USAI, Paolino				
	history (event, available, version,								
	smg-07 25/06/1993	4	. 0 . 1	<a href="#">get it</a>	remarks - general:				
	smg-23 17/10/1997	4	. 0 . 5	<a href="#">get it</a>	remarks - this release: #7: 4.0.1 #23: 4.0.5				
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<b>TS 06.32</b>	<b>Voice Activity Detection (VAD)</b>								
Ph2	current version: 4.3.1	WG (prime / other):	S4 / -	rapporteur:	BARRETT, Paul	Indicate persons who left Company and wait for new One			
	freeze_meeting:	G: yes	U:	MCC:	USAI, Paolino				
	history (event, available, version,								
	smg-07 25/06/1993	4	. 0 . 1	<a href="#">get it</a>	remarks - general:				
	smg-13 27/01/1995	4	. 1 . 0	<a href="#">get it</a>	remarks - this release: #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 Lab S.p.A.			
	<i>freeze_meeting:</i>	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				
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<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>	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>	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>	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	current version: 4.2.0	WG (prime / other):	S4 / -	rapporteur:	JÄRVINEN, Kari	NOKIA Corporation
	freeze_meeting:	G: yes	U:	MCC:	USAI, Paolino	
	history (event, available, version,					
	smg-22 13/06/1997			<a href="#">get it</a>	remarks - general:	
	ETSI publication 29/09/1998			<a href="#">get it</a>	remarks - this release:	
	smg-32 20/06/2000			<a href="#">get it</a>		
	SP-10 20/12/2000			<a href="#">get it</a>		
	4 . 0 . 0					
	4 . 0 . 1					
	4 . 1 . 0					
	4 . 2 . 0					
<hr/>						
<b>TR 06.55</b>	<b>Performance characterisation of the GSM EFR Speech Codec</b>					
Ph2	current version: 4.0.0	WG (prime / other):	S4 / -	rapporteur:	SALEM, Tarek	T-MOBILE DEUTSCHLAND
	freeze_meeting:	G: yes	U:	MCC:	USAI, Paolino	
	history (event, available, version,					
	smg-22 13/06/1997			<a href="#">get it</a>	remarks - general:	
	4 . 0 . 0				remarks - this release: #22: 4.0.0	
<hr/>						
<b>TS 06.60</b>	<b>Enhanced full rate speech transcoding</b>					
Ph2	current version: 4.1.1	WG (prime / other):	S4 / -	rapporteur:	JÄRVINEN, Kari	NOKIA Corporation
	freeze_meeting:	G: yes	U:	MCC:	USAI, Paolino	
	history (event, available, version,					
	smg-23 17/10/1997			<a href="#">get it</a>	remarks - general:	
	smg-25 20/03/1998			<a href="#">get it</a>	remarks - this release: #23: 4.0.1 #25: 4.1.0	
	ETSI Publication 24/08/2000			<a href="#">get it</a>		
	4 . 0 . 0					
	4 . 1 . 0					
	4 . 1 . 1					
<hr/>						
<b>TS 06.61</b>	<b>Substitution and muting of lost frames for enhanced full rate speech traffic channels</b>					
Ph2	current version: 4.0.1	WG (prime / other):	S4 / -	rapporteur:	JÄRVINEN, Kari	NOKIA Corporation
	freeze_meeting:	G: yes	U:	MCC:	USAI, Paolino	
	history (event, available, version,					
	smg-22 13/06/1997			<a href="#">get it</a>	remarks - general:	
	Editorial 13/07/1997			<a href="#">get it</a>	remarks - this release: #22: 4.0.0	
	4 . 0 . 0					
	4 . 0 . 1					
<hr/>						
<b>TS 06.62</b>	<b>Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels</b>					
Ph2	current version: 4.0.1	WG (prime / other):	S4 / -	rapporteur:	JÄRVINEN, Kari	NOKIA Corporation
	freeze_meeting:	G: yes	U:	MCC:	USAI, Paolino	
	history (event, available, version,					
	smg-23 17/10/1997			<a href="#">get it</a>	remarks - general:	
	4 . 0 . 1				remarks - this release: #23: 4.0.1	

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<b>TS 06.81</b>	<b>Discontinuous Transmission (DTX) for enhanced full rate speech traffic channels</b>						
Ph2	current version: 4.1.1	WG (prime / other):	S4 / -	rapporteur:	JÄRVINEN, Kari	NOKIA Corporation	
	freeze_meeting:	G: yes U:		MCC:	USAI, Paolino		
	history (event, available, version,						
	smg-22 13/06/1997						<a href="#">get it</a> remarks - general:
	smg-30 11/11/1999						<a href="#">get it</a> remarks - this release: #22: 4.0.0 #30: 4.1.0
	ETSI Publication 09/08/2000						<a href="#">get it</a>

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<b>TS 06.82</b>	<b>Voice Activity Detection (VAD) for enhanced full rate speech traffic channels</b>						
Ph2	current version: 4.0.1	WG (prime / other):	S4 / -	rapporteur:	JÄRVINEN, Kari	NOKIA Corporation	
	freeze_meeting:	G: yes U:		MCC:	USAI, Paolino		
	history (event, available, version,						
	smg-22 13/06/1997						<a href="#">get it</a> remarks - general:
	Editorial 13/07/1997						<a href="#">get it</a> remarks - this release: #22: 4.0.0

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Ph2 07 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/07\\_series](http://www.3gpp.org/ftp/Specs/archive/07_series)

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<b>TS 07.01</b>	<b>General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)</b>						
Ph2	current version: 4.10.0	WG (prime / other):	N3 / -	rapporteur:	WIJK, Rune Werner	Telefon AB LM Ericsson	
	freeze_meeting:	G: yes U:		MCC:	BOSWARTHICK, David		
	history (event, available, version,						
	smg-07 25/06/1993						<a href="#">get it</a> remarks - general:
	smg-08 01/10/1993						<a href="#">get it</a> remarks - this release:
	smg-10 15/04/1994						<a href="#">get it</a>
	smg-13 27/01/1995						<a href="#">get it</a>
	smg-15 07/07/1995						<a href="#">get it</a>
	smg-16 20/10/1995						<a href="#">get it</a>

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<b>TS 07.02</b>	<b>Terminal Adaptation Functions (TAF) for Services Using Asynchronous Bearer Capabilities</b>								
Ph2	current version: 4.5.1	WG (prime / other):	N3 / -	rapporteur:	WIJK, Rune Werner	Telefon AB LM Ericsson			
	freeze_meeting:	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-09 21/01/1994	4	.	4	.	2	<a href="#">get it</a>	remarks - this release: #7: 4.4.0 #9: 4.4.2 #11: 4.5.0	
	smg-11 01/07/1994	4	.	5	.	0	<a href="#">get it</a>		
	Editorial 01/08/1994	4	.	5	.	1	<a href="#">get it</a>		
<hr/>									
<b>TS 07.03</b>	<b>Terminal Adaptation Functions (TAF) for Services Using Synchronous Bearer Capabilities</b>								
Ph2	current version: 4.5.1	WG (prime / other):	N3 / -	rapporteur:	WIJK, Rune Werner	Telefon AB LM Ericsson			
	freeze_meeting:	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-09 21/01/1994	4	.	5	.	0	<a href="#">get it</a>	remarks - this release: #7: 4.4.0 #9: 4.5.0	
	Editorial 21/02/1994	4	.	5	.	1	<a href="#">get it</a>		
<hr/>									
<b>TS 07.05</b>	<b>Use of Data Terminal Equipment - Data Circuit Terminating Equipment (DTE-DCE) Interface for Short Message Services (SMS) and Cell Broadcast Services (CBS)</b>								
Ph2	current version: 4.8.1	WG (prime / other):	T2 / -	rapporteur:	HARRIS, Ian	Teleca Limited			
	freeze_meeting:	G: yes	U:	MCC:	RODERMUND, Friedhelm				
	history (event, available, version,								
	smg-07 25/06/1993	4	.	2	.	1	<a href="#">get it</a>	remarks - general:	
	smg-08 01/10/1993	4	.	3	.	0	<a href="#">get it</a>	remarks - this release:	
	smg-12 07/10/1994	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>		
	smg-18 12/04/1996	4	.	7	.	0	<a href="#">get it</a>		
	smg-20 11/10/1996	4	.	8	.	0	<a href="#">get it</a>		
	Editorial 11/11/1996	4	.	8	.	1	<a href="#">get it</a>		

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## TS 07.07 AT Command set for GSM Mobile Equipment (ME)

Ph2 current version: 4.4.1

freeze\_meeting:

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: TOMÉ, Olga 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:

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:

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

[get it](#) remarks - general:  
[get it](#) remarks - this release:  
[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>		Peter Skov			
		G: yes U:	MCC: 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>		Peter Skov			
		G: yes U:	MCC: 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>		Peter Skov			
		G: yes U:	MCC: THOMASEN, Gert			
	<i>history (event, available, version,</i>					
	smg-07 25/06/1993 4 . 4 . 0	<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-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>				
	smg-16 20/10/1995 4 . 10 . 0	<a href="#">get it</a>				
	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>	<i>G:</i> yes <i>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-13 27/01/1995 4 . 2 . 3	<a href="#">get it</a>	<i>remarks - this release:</i>		
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<b>TS 08.51</b>	<b>Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects</b>				
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>	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> Peter Skov 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-13 27/01/1995 4 . 1 . 0	<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>				
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>	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> Peter Skov 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-13 27/01/1995 4 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i>		
	smg-14 07/04/1995 4 . 2 . 0	<a href="#">get it</a>			
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<b>TS 08.54</b>	<b>BSC-BTS Layer 1; Structure of Physical Circuits</b>				
Ph2	<i>current version:</i> 4.1.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S	
	<i>freeze_meeting:</i>	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> Peter Skov THOMASEN, Gert		
	<i>history (event, available, version,</i>				
	smg-07 26/06/1993 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>		

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<b>TS 08.56</b>	<b>BSC-BTS Layer 2; Specification</b>				
Ph2	<i>current version:</i> 4.0.2	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S	
	<i>freeze_meeting:</i>		Peter Skov		
		<i>G: yes U:</i>	<i>MCC:</i> 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>		
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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> 4.0.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S	
	<i>freeze_meeting:</i>		Peter Skov		
		<i>G: yes U:</i>	<i>MCC:</i> 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>			
<hr/>					
<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>		Peter Skov		
		<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> 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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**TS 08.61 In-band control of remote transcoders and rate adaptors for half rate traffic channels**  
Ph2 *current version:* 4.0.2 *WG (prime / other):* G1 / NP *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* G: yes U: *MCC:* USAI, Paolino

*history (event, available, version,*  
smg-13 27/01/1995 4 . 0 . 0 [get it](#) *remarks - general:* 2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.  
ETSI Publication 19/01/1996 4 . 0 . 2 [get it](#) *remarks - this release:*

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Ph2 09 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/09\\_series](http://www.3gpp.org/ftp/Specs/archive/09_series)

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**TR 09.01 General Network Interworking Scenarios**  
Ph2 *current version:* 4.0.1 *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo SONERA Corporation  
*freeze\_meeting:* G: yes U: *MCC:* KYMALAINEN, Kimmo

*history (event, available, version,*  
smg-08 01/10/1993 4 . 0 . 0 [get it](#) *remarks - general:*  
smg-09 21/01/1994 4 . 0 . 1 [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 Ph2 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

Ph2 current version: 4.19.1

freeze\_meeting:

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-12 07/10/1994 4 . 9 . 0

smg-13 27/01/1995 4 . 10 . 0

smg-14 07/04/1995 4 . 11 . 0

smg-16 20/10/1995 4 . 12 . 0

smg-17 02/02/1996 4 . 13 . 0

smg-19 28/06/1996 4 . 14 . 0

smg-20 11/10/1996 4 . 15 . 0

smg-21 14/02/1997 4 . 16 . 0

smg-22 13/06/1997 4 . 17 . 0

smg-23 17/10/1997 4 . 18 . 0

NP-08 23/06/2000 4 . 19 . 0

ETSI Publication 04/01/2001 4 . 19 . 1

WG (prime / other): N4 / - rapporteur: WIEHE, Ulrich SIEMENS AG

G: yes U: MCC: KYMALAINEN, Kimmo

[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

Ph2 current version: Network (PLMN)

ETSI Secretariat

4.0.3 WG (prime / other): N3 / - rapporteur: BOSWARTHICK, David

freeze\_meeting:

history (event, available, version,

smg-08 01/10/1993 4 . 0 . 0

smg-09 21/01/1994 4 . 0 . 1

ETSI Publication 14/03/1995 4 . 0 . 3

G: yes U: MCC: BOSWARTHICK, David

[get it](#) remarks - general: N3: "no R99 needed".

[get it](#) remarks - this release: #8: 4.0.0 #9: 4.0.1

[get it](#)

## TS 09.04 Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)

Ph2 current version: 4.0.2

freeze\_meeting:

history (event, available, version,

smg-07 25/06/1993 4 . 0 . 0

smg-08 01/10/1993 4 . 0 . 1

smg-09 21/01/1994 4 . 0 . 2

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: #7: 4.0.0 #8: 4.0.1 #9: 4.0.2

[get it](#)

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<b>TS 09.05</b>	<b>Interworking between the PLMN and the PSPDN for PAD Access</b>									
Ph2	current version: 4.4.2	WG (prime / other):	N3 / -	rapporteur:	BOSWARTHICK, David	ETSI Secretariat				
	freeze_meeting:	G: yes	U:	MCC:	BOSWARTHICK, David					
	history (event, available, version,									
	smg-07 25/06/1993	4	.	3	.	0	<a href="#">get it</a>	remarks - general:	N3: "no R99 needed".	
	smg-08 01/10/1993	4	.	4	.	0	<a href="#">get it</a>	remarks - this release:	#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>			
<hr/>										
<b>TS 09.06</b>	<b>Interworking between a Public Land Mobile Network (PLMN) and a Packet Switched Public Data Network/Intergrated Services digital Network (PSPDN/ISDN) for Support of Packet</b>									
Ph2	current version: Switched Data Transmission Services	4.5.0	WG (prime / other):	N3	/-	rapporteur:	BOSWARTHICK, David			
ETSI Secretariat										
	freeze_meeting:	G: yes	U:	MCC:	BOSWARTHICK, David					
	history (event, available, version,									
	smg-07 25/06/1993	4	.	3	.	0	<a href="#">get it</a>	remarks - general:	N3: "no R99 needed".	
	smg-09 21/01/1994	4	.	4	.	0	<a href="#">get it</a>	remarks - this release:	#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>			
<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>									
Ph2	current version: Network (PSTN)	4.13.1	WG (prime / other):	N3	/-	rapporteur:	KLEHN, Norbert			
SIEMENS AG										
	freeze_meeting:	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	
	smg-09 21/01/1994	4	.	6	.	0	<a href="#">get it</a>		#18: 4.11.0 #20: 4.12.0 #27: 4.13.0	
	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>			

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<b>TS 09.08</b>	<b>Application of the Base Station System Application Part (BSSAP) on the E-Interface</b>								
Ph2	<i>current version:</i> 4.1.1	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> FARHOUMAND,	Ericsson Incorporated					
	<i>freeze_meeting:</i>		Rouzbeh						
		<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan						
	<i>history (event, available, version,</i>								
	smg-09 21/01/1994 4 . 0 . 0	<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> #9: 4.0.0 #13: 4.1.0						
	Editorial 27/02/1995 4 . 1 . 1	<a href="#">get it</a>							
<b>TS 09.10</b>	<b>Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling</b>								
Ph2	<i>current version:</i> Procedures and the Mobile Application Part (MAP)	<i>4.4.1 WG (prime / other):</i> N4	<i>rapporteur:</i> KYMALAINEN, Kimmo						
	SONERA Corporation								
	<i>freeze_meeting:</i>	<i>G: yes U:</i>	<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 . 1 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> #8: 4.0.0 #9: 4.1.0 #10: 4.2.0 #17: 4.3.0 #23: 4.4.0						
	smg-10 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>							
<b>TS 09.11</b>	<b>Signalling Interworking for Supplementary Services</b>								
Ph2	<i>current version:</i> 4.6.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	SIEMENS AG					
	<i>freeze_meeting:</i>	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo						
	<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> #7: 4.1.0 #8: 4.2.0 #9: 4.3.0 #12: 4.4.0 #13: 4.5.0 #19: 4.6.0						
	smg-09 21/01/1994 4 . 3 . 0	<a href="#">get it</a>							
	smg-12 07/10/1994 4 . 4 . 0	<a href="#">get it</a>							
	smg-13 27/01/1995 4 . 5 . 0	<a href="#">get it</a>							
	smg-19 28/06/1996 4 . 6 . 0	<a href="#">get it</a>							
	Editorial 28/07/1996 4 . 6 . 1	<a href="#">get it</a>							

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<b>TS 09.12</b>	<b>Application of ISUP Version 2 for the ISDN-PLMN (GSM) Signalling</b>					
Ph2	<i>current version:</i> 4.2.2		<i>WG (prime / other):</i> SPA / N4	<i>rapporteur:</i> HÄNDIG, Peter		Telia Mobile AB
	<i>freeze_meeting:</i>		<i>G: yes U:</i>	<i>MCC:</i>		
	<i>history (event, available, version,</i>					
	smg-17	4 . 0 . 0		<i>remarks - general:</i> EN 300 646		
	ETSI vote 06/02/1997	4 . 1 . 0		<i>remarks - this release:</i> smg-22: 4.2.1 - SPAN1 prime resp., SMG 2nd resp. - different numbering scheme.		
	ETSI publication 16/05/1997	4 . 1 . 1		<a href="#">get it</a>		
	smg-22 13/06/1997	4 . 2 . 1		<a href="#">get it</a>		
	ETSI publication 26/05/1999	4 . 2 . 2		<a href="#">get it</a>		
<hr/>						
<b>TR 09.90</b>	<b>Interworking between Phase 1 Infrastructure and Phase 2 Mobile Stations (MS)</b>					
Ph2	<i>current version:</i> 4.9.0		<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> HOWELL, Andrew		MOTOROLA Ltd
	<i>freeze_meeting:</i>		<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version,</i>					
	smg-15 07/07/1995	4 . 5 . 0		<i>remarks - general:</i>		
	smg-16 ? 20/10/1995	4 . 6 . 0		<i>remarks - this release:</i>		
	smg-18 12/04/1996	4 . 7 . 0		<a href="#">get it</a>		
	smg-19 28/06/1996	4 . 8 . 0		<a href="#">get it</a>		
	smg-22 13/06/1997	4 . 9 . 0		<a href="#">get it</a>		
<hr/>						
<b>TS 09.91</b>	<b>Interworking Aspects of the SIM/ME Interface Between Phase 1 and Phase 2</b>					
Ph2	<i>current version:</i> 4.0.1		<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> GUTHERY, Scott B.		Mobile-Mind Inc.
	<i>freeze_meeting:</i>		<i>G: yes U:</i>	<i>MCC:</i> DIETZE, Claus		
	<i>history (event, available, version,</i>					
	smg-10 15/04/1994	4 . 0 . 0		<i>remarks - general:</i>		
	Editorial correction 15/05/1994	4 . 0 . 1		<i>remarks - this release:</i> #10: 4.0.0		
				<a href="#">get it</a>		
				<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>						
Ph2	current version: 4.6.0	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,						
	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):		
	smg-16 20/10/1995	4 . 2 . 0	<a href="#">get it</a>		Anticipate recast as null document pointing to latest Release version.		
	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>				

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## TS 11.10-1 Mobile station (MS) conformance specification; Part1: Conformance specification

Ph2 current version: 4.29.0

freeze\_meeting:

WG (prime / other): G5 / S1 / rapporteur: SALMERON, Lidia TELEPLUS LIMITED

NP /  
T2 /  
SCP  
/ G4

G: yes U: MCC: SALMERON, Lidia

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.

## 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:

WG (prime / other): G5 / S1 / rapporteur: SALMERON, Lidia TELEPLUS LIMITED

NP /  
T2 /  
SCP  
/ G4

G: yes U: MCC: SALMERON, Lidia

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 11.10-3 Mobile Station (MS) Conformance Specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)

Ph2 current version: 4.34.0

freeze\_meeting:

WG (prime / other): G5 / S1 / rapporteur: SALMERON, Lidia

TELEPLUS LIMITED

NP /  
T2 /  
SCP  
/ G4

G: yes U:

MCC: SALMERON, Lidia

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

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remarks - general: 2001-11-19: G4->G5.

[get it](#)

remarks - this release: GP-06: Rel-4 serves all releases.

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GP-03	25/01/2001	4 . 31 . 0	<a href="#">get it</a>
GP-04	11/04/2001	4 . 32 . 0	<a href="#">get it</a>
GP-05	28/06/2001	4 . 33 . 0	<a href="#">get it</a>
GP-06	06/09/2001	4 . 34 . 0	<a href="#">get it</a>

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**TS 11.11 Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface**  
Ph2 *comments): current version:* 4.21.1 *WG (prime / other):* T3 /- *rapporteur:* GUTHERY, Scott B.Mobile-Mind Inc.  
*freeze\_meeting:* G: yes U: *MCC:* DIETZE, Claus  
*history (event, available, version,*  
smg-07 25/06/1993 4 . 8 . 0 [get it](#) *remarks - general:*  
smg-08 01/10/1993 4 . 9 . 0 [get it](#) *remarks - this release:*  
smg-09 21/01/1994 4 . 10 . 0 [get it](#)  
smg-10 15/04/1994 4 . 11 . 0 [get it](#)  
smg-11 01/07/1994 4 . 12 . 0 [get it](#)  
smg-12 07/10/1994 4 . 13 . 0 [get it](#)  
smg-13 27/01/1995 4 . 14 . 0 [get it](#)  
smg-15 07/04/1995 4 . 15 . 0 [get it](#)  
smg-16 20/10/1995 4 . 16 . 0 [get it](#)  
smg-18 12/04/1996 4 . 17 . 0 [get it](#)  
smg-19 28/06/1996 4 . 18 . 0 [get it](#)  
smg-22 13/06/1997 4 . 19 . 0 [get it](#)  
smg-25 20/03/1998 4 . 20 . 0 [get it](#)  
smg-29 25/06/1999 4 . 21 . 0 [get it](#)  
ETSI Publication 17/12/1999 4 . 21 . 1 [get it](#)

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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:* G: yes U: *MCC:* DIETZE, Claus  
*history (event, available, version,*  
smg-15 07/07/1995 4 . 0 . 0 [get it](#) *remarks - general:*  
smg-17 02/02/1996 4 . 1 . 0 [get it](#) *remarks - this release:*  
ETSI vote 05/08/1996 4 . 1 . 1 [get it](#)  
ETSI publication 19/12/1996 4 . 1 . 2 [get it](#)  
smg-21 14/02/1997 4 . 2 . 0 [get it](#)  
ETSI publication 26/08/1997 4 . 2 . 1 [get it](#)  
smg-23 17/10/1997 4 . 3 . 0 [get it](#)  
ETSI publication 07/04/1998 4 . 3 . 1 [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 Ph2 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 11.21</b>	<b>Base Station System (BSS) equipment specification; Radio aspects</b>				
Ph2	current version: 4.14.1	WG (prime / other):	G3 / -	rapporteur:	VACANT,
	freeze_meeting:	G: yes	U:	MCC:	USAI, Paolino
	history (event, available, version,				
	smg-11 01/07/1994	4 . 0 . 0		<a href="#">get it</a>	remarks - general:
	smg-12 07/10/1994	4 . 1 . 0		<a href="#">get it</a>	remarks - this release:
	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 Electrical Parameters, Application of Standards and Guidance Notes</b>				
Ph2	current version: 4.2.0	WG (prime / other):	G3 / -	rapporteur:	VACANT,
	freeze_meeting:	G: yes	U:	MCC:	USAI, Paolino
	history (event, available, version,				
	<to be defined>	4 . 0 . 0			remarks - general:
	smg-21 14/02/1997	4 . 1 . 3		<a href="#">get it</a>	remarks - this release: .
	smg-31 bis 17/04/2000	4 . 2 . 0		<a href="#">get it</a>	

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

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Server ACTIVE specs Ph2 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 11.23 GSM Signalling Aspects Base Station System equipment Specification

Ph2 current version: 4.9.1

WG (prime / other): G3 / - rapporteur: VACANT,  
G: yes U: MCC: USAI, Paolino

freeze\_meeting:

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

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remarks - general:

remarks - this release: #11: 4.0.0 #14: 4.1.0 #15: 4.1.0 #16: 4.2.0 #17: 4.3.0 #18: 4.4.0 #19: 4.5.0  
#21: 4.6.0 #22: 4.7.0 #23: 4.8.0 #25: 4.9.0

---

## TS 11.24 GSM Transcoding and Rate Adaptation: Base Station System Equipment Specification

Ph2 current version: 4.3.1

WG (prime / other): G3 / - rapporteur: VACANT,  
G: yes U: MCC: USAI, Paolino

freeze\_meeting:

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

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remarks - general:

remarks - this release: #14: 4.00 #20: 4.1.0 #25: 4.2.0 #27: 4.3.0

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## TS 11.26 Base Station System (BSS) equipment specification; Part 4: Repeaters

Ph2 current version: 4.2.2

WG (prime / other): G3 / - rapporteur: VACANT,  
G: yes U: MCC: USAI, Paolino

freeze\_meeting:

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

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[get it](#)

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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/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

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: G: yes U: MCC: ZOICAS, Adrian  
history (event, available, version,  
smg-07 25/06/1993 4 . 0 . 0 [get it](#) remarks - general:  
smg-08 01/10/1993 4 . 1 . 0 [get it](#) remarks - this release:  
smg-11 01/07/1994 4 . 2 . 0 [get it](#)  
smg-15 07/07/1995 4 . 3 . 0 [get it](#)  
smg-16 20/10/1995 4 . 4 . 0 [get it](#)  
smg-17 02/02/1996 4 . 5 . 0 [get it](#)  
smg-23 17/10/1997 4 . 6 . 0 [get it](#)

## 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: G: yes U: MCC: ZOICAS, Adrian  
history (event, available, version,  
smg-07 25/06/1993 4 . 0 . 0 [get it](#) remarks - general:  
smg-08 01/10/1993 4 . 1 . 0 [get it](#) remarks - this release:  
smg-10 15/04/1994 4 . 2 . 0 [get it](#)  
smg-11 01/07/1994 4 . 3 . 0 [get it](#)  
smg-17 02/02/1996 4 . 4 . 0 [get it](#)  
Editorial 02/02/1996 4 . 4 . 1 [get it](#)

## 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: G: yes U: MCC: ZOICAS, Adrian  
history (event, available, version,  
smg-07 25/06/1993 4 . 0 . 0 [get it](#) remarks - general:  
smg-08 01/10/1993 4 . 1 . 0 [get it](#) remarks - this release:  
smg-09 21/01/1994 4 . 2 . 0 [get it](#)  
smg-11 01/07/1994 4 . 3 . 0 [get it](#)  
smg-15 07/07/1995 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](#)  
Editorial 02/02/1996 4 . 6 . 1 [get it](#)

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



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Server ACTIVE specs Ph2 12 .- series  
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<b>TS 12.03</b>	<b>Security Management</b>								
Ph2	current version: 4.2.1								
	freeze_meeting:								
	history (event, available, version,								
	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			
							<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>		
<b>TS 12.04</b>	<b>Performance data measurements</b>								
Ph2	current version: 4.3.1								
	freeze_meeting:								
	history (event, available, version,								
	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			
							<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>		
<b>TS 12.05</b>	<b>Subscriber Related Call and Event Data</b>								
Ph2	current version: 4.3.1								
	freeze_meeting:								
	history (event, available, version,								
	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			
							<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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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:*

*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:*

*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:*

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## TS 12.11 Fault management of the Base Station System (BSS)

Ph2 *current version:* 4.2.1

*freeze\_meeting:*

*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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[http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

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## TS 12.20 Base Station System (BSS) Management Information

Ph2 *current version:* 4.2.1

*freeze\_meeting:*

*history (event, available, version,*

smg-09 21/01/1994 4 . 0 . 0

smg-11 01/07/1994 4 . 1 . 0

smg-13 27/01/1995 4 . 1 . 1

smg-17 02/02/1996 4 . 2 . 0

Editorial correction 02/02/1996 4 . 2 . 1

*WG (prime / other):* S5 / NP *rapporteur:* TRUSS, Michael

*G: yes U:* *MCC:* ZOICAS, Adrian

MOTOROLA Ltd

[get it](#)

*remarks - general:*

[get it](#)

*remarks - this release:* #9: 4.0.0 #11: 4.1.0 #13: 4.1.1 #17: 4.2.0

[get it](#)

[get it](#)

[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

*freeze\_meeting:*

*history (event, available, version,*

4 . 0 . 0

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-11 01/07/1994 4 . 4 . 0

smg-13 27/01/1995 4 . 5 . 0

smg-16 20/10/1995 4 . 5 . 2

ETSI publication 4 . 5 . 4

smg-21 14/02/1997 4 . 6 . 0

*WG (prime / other):* G3 / S5 *rapporteur:* TRUSS, Michael

*G: yes U:* *MCC:* USAI, Paolino

MOTOROLA Ltd

[get it](#)

*remarks - general:* SP-13: S5->G3 but no change of rapporteur.

[get it](#)

*remarks - this release:*

[get it](#)

[get it](#)

[get it](#)

[get it](#)

[get it](#)

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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

*freeze\_meeting:*

*history (event, available, version,*

smg-11 01/07/1994 4 . 0 . 0

smg-13 27/01/1995 4 . 1 . 0

PE88 24/07/1995 4 . 1 . 1

smg-16 20/10/1995 4 . 1 . 2

V100 25/03/1996 4 . 1 . 3

ETSI publication 04/09/1996 4 . 1 . 4

*WG (prime / other):* G3 / S5 *rapporteur:* YUHAN, Albert

*G: yes U:* *MCC:* USAI, Paolino

VoiceStream Wireless Corporation

[get it](#)

*remarks - general:* SP-13: S5->G3 but no change of rapporteur.

[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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**TR 12.30 ETSI Object Identifier Tree; Mobile Domain O&M**

Ph2 *current version:* 4.2.0

*freeze\_meeting:*

*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

*G: yes U:* *MCC:* ZOICAS, Adrian

MOTOROLA Ltd

[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:*

*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:*

*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:*

*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

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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  
freeze\_meeting:  
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 03.20 Security-related Network Functions

Ph1-EXT  
freeze\_meeting:

WG (prime / other): S3 / NP / rapporteur: NGUYEN NGOC, France Telecom  
GP  
G: yes U: MCC: POPE, Maurice

history (event, available, version,  
smg-07 01/01/1995 3 . 0 . 0

[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 04.08 Mobile radio interface layer 3 specification

Ph1-EXT  
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

[get it](#) 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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G = required in systems with GERAN acces; U = required in systems with UMTS

# 3GPP specification status

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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)

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Ph1-EXT 08 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/08\\_series](http://www.3gpp.org/ftp/Specs/archive/08_series)

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**TS 08.08 Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification**

Ph1-EXT current version: 3.0.0  
freeze\_meeting:

WG (prime / other): G2 / -

rapporteur: ANDERSEN, Niels  
Peter Skov

MOTOROLA A/S

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 08.58 Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification**

Ph1-EXT current version: 3.0.0  
freeze\_meeting:

WG (prime / other): G2 / -

rapporteur: ANDERSEN, Niels  
Peter Skov

MOTOROLA A/S

G: yes U:

MCC: THOMASEN, Gert

history (event, available, version,  
ETSI publication 01/01/1995 3 . 0 . 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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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)

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## TS 02.06 Types of Mobile Stations (MS)

Ph1-DC *current version:* 3.2.0

*freeze\_meeting:*

*history (event, available, version,*

01/01/1995 3 . 0 . 0

10/05/1994 3 . 1 . 0

10/01/1994 3 . 2 . 0

*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:* .

[get it](#)

---

## TS 02.11 Service Accessibility

Ph1-DC *current version:* 3.1.0

*freeze\_meeting:*

*history (event, available, version,*

ETSI publication 01/01/1995 3 . 1 . 0

*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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Ph1-DCS 03 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

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## TS 03.12 Location Registration Procedures

Ph1-DC *current version:* 3.0.1

*freeze\_meeting:*

*history (event, available, version,*

ETSI publication 01/01/1995 3 . 0 . 1

*WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo

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

SONERA Corporation

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

*remarks - this release:* .

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Ph1-DCS 04 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

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ACTIVE specs Ph1-DC 04 .- series  
Server [http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

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## TS 04.08 Mobile radio interface layer 3 specification

Ph1-DC *current version:* 3.1.0

*freeze\_meeting:*

*history (event, available, version,*

ETSI publication 01/01/1995 3 . 1 . 0

*WG (prime / other):* N1 / G2 *rapporteur:* HOWELL, Andrew MOTOROLA Ltd

*G: yes U:* MCC: JORGENSEN, Per Johan

[get it](#) *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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Ph1-DCS 05 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/05\\_series](http://www.3gpp.org/ftp/Specs/archive/05_series)

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## TS 05.01 Physical Layer on the Radio Path (General Description)

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:* JOKINEN, Harri NOKIA MOBILE PHONES

*G: yes U:* MCC: USAI, Paolino

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

---

## TS 05.05 Radio Transmission and Reception

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

*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 05.08 Radio Subsystem Link Control

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 VODAFONE Group Plc

*G: yes U:* MCC: USAI, Paolino

[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 Ph1-DC 08 .- series  
[http://www.3gpp.org/ftp/Specs/archive/08\\_series](http://www.3gpp.org/ftp/Specs/archive/08_series)

Ph1-DCS 08 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/08\\_series](http://www.3gpp.org/ftp/Specs/archive/08_series)

## TS 08.58 Base Station Controller- Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification

Ph1-DC current version: 3.0.0  
freeze\_meeting:

WG (prime / other): G2 / -

rapporteur: ANDERSEN, Niels MOTOROLA A/S

Peter Skov

G: yes U:

MCC: THOMASEN, Gert

history (event, available, version,

ETSI publication 01/01/1995 3 . 0 . 0

[get it](#) remarks - general:

remarks - this release: .

Ph1-DCS 09 .- series Server location: [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

Ph1-DC current version: 0.0.0 DRAFT  
freeze\_meeting:

WG (prime / other): N4 / -

rapporteur: WIEHE, Ulrich SIEMENS AG

G: yes U:

MCC: KYMALAINEN, Kimmo

history (event, available, version,

03/03/1993 0 . 0 . 0

[get it](#) remarks - general: CN->N4 Apr00 (JMM)

remarks - this release:

## TS 09.10 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)  
SONERA Corporation

3.0.0 WG (prime / other): N4 / -

rapporteur: KYMALAINEN, Kimmo

G: yes U:

MCC: KYMALAINEN, Kimmo

freeze\_meeting:

history (event, available, version,

ETSI publication 01/01/1995 3 . 0 . 0

[get it](#) remarks - general:

remarks - this release: .

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 11.10 Mobile Station Conformity Specification

Ph1-DC current version: 3.23.1

freeze\_meeting:

WG (prime / other): G4 / S1 / rapporteur: LEGRAND, Walter EADS/DSN

G5 /  
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
last known	01/12/1996	3	.	23	.	1

remarks - general:  
remarks - this release:

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

## TS 11.11 Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface

Ph1-DC current version: 3.3.4

freeze\_meeting:

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

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

remarks - general:  
remarks - this release:

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Server ACTIVE specs Ph1-DC 11 .- series  
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## TS 11.20 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 11.40 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):* G4 / - *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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<b>TR 01.04</b>	<b>Abbreviations and acronyms</b>					
Ph1	current version: 3.0.1			WG (prime / other): GP / -	rapporteur: CLAYTON, Michael	EMCOM Ltd
	freeze_meeting:			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			remarks - this release: .	
	ETSI publication 01/01/1995	3 . 0 . 1		<a href="#">get it</a>		
				<a href="#">get it</a>		

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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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<b>TS 02.01</b>	<b>Principles of telecommunication services supported by a GSM Public Land Mobile Network (PLMN)</b>					
Ph1	current version: 3.2.0			WG (prime / other): S1 / -	rapporteur: KOKKOLA, Tommi	NOKIA Corporation
	freeze_meeting:			G: yes U:	MCC: CLAYTON, Michael	
	history (event, available, version,					
	smg-18 10/04/1996	3 . 0 . 0			remarks - general:	
	ETSI publication 01/01/1995	3 . 0 . 1			remarks - this release: .	
	PT12 release 15/02/1992	3 . 2 . 0		<a href="#">get it</a>		
				<a href="#">get it</a>		
				<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>					
Ph1	current version: 3.2.0			WG (prime / other): S1 / -	rapporteur: CARPENTER, Paul	Research In Motion Limited
	freeze_meeting:			G: yes U:	MCC: CLAYTON, Michael	
	history (event, available, version,					
	CEPT GSM doc 15/01/1990	3 . 1 . 1			remarks - general:	
	CEPT GSM doc 15/07/1991	3 . 2 . 0			remarks - this release: .	
				<a href="#">get it</a>		
				<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>					
Ph1	current version: 3.4.1			WG (prime / other): S1 / -	rapporteur: CONRAD, Alan	T-MOBILE DEUTSCHLAND
	freeze_meeting:			G: yes U:	MCC: CLAYTON, Michael	
	history (event, available, version,					
	CEPT GSM doc 03/01/1991	3 . 4 . 0			remarks - general:	
	edito 22/07/1998	3 . 4 . 1			remarks - this release: .	
				<a href="#">get it</a>		
				<a href="#">get it</a>		

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[http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

<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:			G: yes U:	MCC: CLAYTON, Michael	
	history (event, available, version,					
	- 24/07/1998	3	. 7	. 0	<a href="#">get it</a>	remarks - general:
	CEPT GSM doc 03/01/1991	3	. 7	. 1	<a href="#">get it</a>	remarks - this release: .
<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:			G: yes U:	MCC: CLAYTON, Michael	
	history (event, available, version,					
	ETSI publication 01/01/1995	3	. 2	. 0	<a href="#">get it</a>	remarks - general:
						remarks - this release: .
<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:			G: yes U:	MCC: CLAYTON, Michael	
	history (event, available, version,					
	- 10/05/1994	3	. 3	. 0	<a href="#">get it</a>	remarks - general:
	- 10/05/1994	3	. 4	. 0	<a href="#">get it</a>	remarks - this release: .
	ETSI publication 01/01/1995	3	. 4	. 1	<a href="#">get it</a>	
<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:			NP	MCC: POPE, Maurice	
	history (event, available, version,			G: yes U:		
	ETSI publication 01/01/1995	3	. 1	. 0	<a href="#">get it</a>	remarks - general:
						remarks - this release:
<b>TS 02.11</b>	<b>Service Accessibility</b>					
Ph1	current version: 3.7.0			WG (prime / other): S1 / -	rapporteur: EVEN, Anne	France Telecom
	freeze_meeting:			G: yes U:	MCC: CLAYTON, Michael	
	history (event, available, version,					
	ETSI publication 01/01/1995	3	. 7	. 0	<a href="#">get it</a>	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)

<b>TS 02.16</b>	<b>International Mobile Station Equipment Identities (IMEI)</b>					
Ph1	current version: 3.0.1	WG (prime / other): S1 / -	rapporteur: EVEN, Anne	France Telecom		
	freeze_meeting:	G: yes U:	MCC: CLAYTON, Michael			
	history (event, available, version,					
	ETSI publication 01/01/1995 3 . 0 . 1	<a href="#">get it</a>	remarks - general:			
			remarks - this release: .			
<b>TS 02.17</b>	<b>Subscriber Identity Module (SIM); Functional characteristics</b>					
Ph1	current version: 3.2.0	WG (prime / other): T3 / S1	rapporteur: HOOKER, Philip	ORANGE PCS LTD		
	freeze_meeting:	G: yes U:	MCC: DIETZE, Claus			
	history (event, available, version,					
	.. 30/08/2001 3 . 1 . 2	<a href="#">get it</a>	remarks - general:			
	.. 04/01/2002 3 . 2 . 0	<a href="#">get it</a>	remarks - this release: .			
	ETSI publication 01/01/1995 3 . 2 . 0	<a href="#">get it</a>				
<b>TS 02.17</b>	<b>Subscriber Identity Module (SIM); Functional characteristics</b>					
Ph1	current version: 3.2.0	WG (prime / other): T3 / S1	rapporteur: HOOKER, Philip	ORANGE PCS LTD		
	freeze_meeting:	G: yes U:	MCC: DIETZE, Claus			
	history (event, available, version,					
	.. 30/08/2001 3 . 1 . 2	<a href="#">get it</a>	remarks - general:			
	.. 04/01/2002 3 . 2 . 0	<a href="#">get it</a>	remarks - this release: .			
	ETSI publication 01/01/1995 3 . 2 . 0	<a href="#">get it</a>				
<b>TS 02.20</b>	<b>Collection charges</b>					
Ph1	current version: 3.0.1	WG (prime / other): S1 /	rapporteur: ,			
	freeze_meeting:	G: yes U:	MCC: CLAYTON, Michael			
	history (event, available, version,					
	06/05/1992: 09/10/1997 3 . 0 . 1	<a href="#">get it</a>	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	WG (prime / other): S1 /	rapporteur: JEAL, David	VODAFONE Group Plc		
	freeze_meeting:	G: yes U:	MCC: CLAYTON, Michael			
	history (event, available, version,					
	ETSI publication 01/01/1995 3 . 9 . 0	<a href="#">get it</a>	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 02.40 Procedures for Call Progress Indications**  
Ph1 *current version:* 3.2.0  
*freeze\_meeting:*  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 2 . 0

*WG (prime / other):* S1 / NP *rapporteur:* DWYER, Paul NORTEL NETWORKS (EUROPE)  
*G: yes U:* *MCC:* CLAYTON, Michael

[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:*  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 6 . 1

*WG (prime / other):* S1 / - *rapporteur:* EVEN, Anne France Telecom  
*G: yes U:* *MCC:* CLAYTON, Michael

[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:*  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 6 . 1

*WG (prime / other):* S1 / - *rapporteur:* CONRAD, Alan T-MOBILE DEUTSCHLAND  
*G: yes U:* *MCC:* CLAYTON, Michael

[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:*  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 1 . 1

*WG (prime / other):* S2 / NP *rapporteur:* GAASVIK, Per-Ola COMVIQ GSM AB  
*G: yes U:* *MCC:* SULTAN, Alain

[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	current version: 3.1.4					
	freeze_meeting:					
	history (event, available, version,					
	ETSI publication 01/01/1995	3 . 1 . 4				
			WG (prime / other): S2 / NP / T2	rapporteur: SULTAN, Alain		SOURCE COM
			G: yes U:	MCC: SULTAN, Alain		
				<a href="#">get it</a>	remarks - general:	
					remarks - this release: .	
<hr/>						
<b>TS 03.03</b>	<b>Numbering, Addressing and Identification</b>					
Ph1	current version: 3.6.0					
	freeze_meeting:					
	history (event, available, version,					
	ETSI publication 01/01/1995	3 . 6 . 0				
			WG (prime / other): N4 / T2	rapporteur: RUSSELL, Nick		VODAFONE Group Plc
			G: yes U:	MCC: KYMALAINEN, Kimmo		
				<a href="#">get it</a>	remarks - general:	
					remarks - this release:	
<hr/>						
<b>TS 03.04</b>	<b>Signalling Requirements Relating to Routing of Calls to Mobile Subscribers</b>					
Ph1	current version: 3.1.0					
	freeze_meeting:					
	history (event, available, version,					
	ETSI publication 01/01/1995	3 . 1 . 0				
			WG (prime / other): N4 / SPA N / T2	rapporteur: KYMALAINEN, Kimmo		SONERA Corporation
			G: yes U:	MCC: KYMALAINEN, Kimmo		
				<a href="#">get it</a>	remarks - general:	
					remarks - this release: .	
<hr/>						
<b>TR 03.05</b>	<b>Technical performance objectives</b>					
Ph1	current version: 3.2.0					
	freeze_meeting:					
	history (event, available, version,					
	ETSI publication 01/01/1995	3 . 2 . 0				
			WG (prime / other): NP / -	rapporteur: BOSWARTHICK, David		ETSI Secretariat
			G: yes U:	MCC: BOSWARTHICK, David		
				<a href="#">get it</a>	remarks - general:	
					remarks - this release: .	
<hr/>						
<b>TS 03.07</b>	<b>Restoration Procedures</b>					
Ph1	current version: 3.2.1					
	freeze_meeting:					
	history (event, available, version,					
	ETSI publication 01/01/1995	3 . 2 . 1				
			WG (prime / other): N4 / -	rapporteur: PARK, Ian David		VODAFONE LTD
			G: yes U:	MCC: Chalmers		
				MCC: KYMALAINEN, Kimmo		
				<a href="#">get it</a>	remarks - general:	
					remarks - this release: .	

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<b>TS 03.08</b>	<b>Organization of Subscriber Data</b>					
Ph1	<i>current version:</i> 3.7.0					
	<i>freeze_meeting:</i>					
	<i>history (event, available, version,</i>					
	ETSI publication 01/01/1995	3 . 7 . 0				
			<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i>		
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<b>TS 03.09</b>	<b>Handover Procedures</b>					
Ph1	<i>current version:</i> 3.2.1					
	<i>freeze_meeting:</i>					
	<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>		
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<b>TS 03.10</b>	<b>GSM Public Land Mobile Network (PLMN) Connection Types</b>					
Ph1	<i>current version:</i> 3.3.0					
	<i>freeze_meeting:</i>					
	<i>history (event, available, version,</i>					
	ETSI publication 01/01/1995	3 . 3 . 0				
			<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i>		
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<b>TS 03.11</b>	<b>Technical Realization of Supplementary Services - General Aspects</b>					
Ph1	<i>current version:</i> 3.1.1					
	<i>freeze_meeting:</i>					
	<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>		
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<b>TS 03.12</b>	<b>Location Registration Procedures</b>					
Ph1	<i>current version:</i> 3.3.0					
	<i>freeze_meeting:</i>					
	<i>history (event, available, version,</i>					
	ETSI publication 01/01/1995	3 . 3 . 0				
			<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i>		

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<b>TS 03.13</b>	<b>Discontinuous Reception (DRX) in the GSM System</b>					
Ph1	<i>current version:</i> 3.0.2	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> USAI, Paolino	Telecom Italia Lab S.p.A.		
	<i>freeze_meeting:</i>	G: yes U:	<i>MCC:</i> USAI, Paolino			
	<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> .			
<hr/>						
<b>TS 03.14</b>	<b>Support of Dual Tone Multi-Frequency Signalling (DTMF) via the GSM System</b>					
Ph1	<i>current version:</i> 3.0.2	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> ZAUS, Robert	SIEMENS AG		
	<i>freeze_meeting:</i>	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan			
	<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 03.20</b>	<b>Security-related Network Functions</b>					
Ph1	<i>current version:</i> 3.3.2	<i>WG (prime / other):</i> S3 / NP /	<i>rapporteur:</i> NGUYEN NGOC,	France Telecom		
	<i>freeze_meeting:</i>	GP	Sebastien			
	<i>history (event, available, version,</i>	G: yes U:	<i>MCC:</i> POPE, Maurice			
	ETSI publication 01/01/1995 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	ETSI publication 01/01/1995 3 . 3 . 2	<a href="#">get it</a>	<i>remarks - this release:</i> .			
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<b>TS 03.40</b>	<b>Technical Realization of the Short Message Service (SMS) Point-to-poin (PP)</b>					
Ph1	<i>current version:</i> 3.7.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Teleca Limited		
	<i>freeze_meeting:</i>	G: yes U:	<i>MCC:</i> RODERMUND, Friedhelm			
	<i>history (event, available, version,</i>					
	smg-08 3 . 6 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
	smg-09 01/01/1995 3 . 7 . 0		<i>remarks - this release:</i> .			
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<b>TS 03.41</b>	<b>Technical Realization of Short Message Service Cell Broadcast (SMSCB)</b>					
Ph1	<i>current version:</i> 3.4.0	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Teleca Limited		
	<i>freeze_meeting:</i>	G: yes U:	<i>MCC:</i> RODERMUND, Friedhelm			
	<i>history (event, available, version,</i>					
	ETSI publication 01/01/1995 3 . 4 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			

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<b>TR 03.43</b>	<b>Support of Videotex</b>								
Ph1	current version: 3.0.1			WG (prime / other): T2 / -	rapporteur: DI TRIA, Paolo	Telecom Italia Lab S.p.A.			
	freeze_meeting:			G: yes U:	MCC: RODERMUND, Friedhelm				
	history (event, available, version,								
	ETSI publication 01/01/1995	3 . 0 . 1						<a href="#">get it</a>	remarks - general: remarks - this release: .
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<b>TR 03.44</b>	<b>Support of Teletex in a GSM Public Land Mobile Network (PLMN)</b>								
Ph1	current version: 3.0.1			WG (prime / other): T2 / -	rapporteur: RODERMUND,	Vodafone D2 GmbH			
	freeze_meeting:			G: yes U:	MCC: RODERMUND, Friedhelm				
	history (event, available, version,								
	ETSI publication 01/01/1995	3 . 0 . 1						<a href="#">get it</a>	remarks - general: remarks - this release: .
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<b>TS 03.45</b>	<b>Technical Realization of Facsimile Group 3 Service - transparent</b>								
Ph1	current version: 3.3.0			WG (prime / other): N3 / -	rapporteur: BOSWARTHICK, David	ETSI Secretariat			
	freeze_meeting:			G: yes U:	MCC: BOSWARTHICK, David				
	history (event, available, version,								
	smg-05	3 . 2 . 0							
	ETSI publication 01/01/1995	3 . 3 . 0	exists in PDF only					<a href="#">get it</a>	remarks - general: remarks - this release:
<hr/>									
<b>TS 03.46</b>	<b>Technical Realization of Facsimile Group 3 Service - non transparent</b>								
Ph1	current version: 3.2.1			WG (prime / other): N3 / -	rapporteur: BOSWARTHICK, David	ETSI Secretariat			
	freeze_meeting:			G: yes U:	MCC: BOSWARTHICK, David				
	history (event, available, version,								
	ETSI publication 01/01/1995	3 . 2 . 1						<a href="#">get it</a>	remarks - general: remarks - this release:
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<b>TS 03.48</b>	<b>Security mechanisms for SIM application toolkit; Stage 2</b>								
Ph1	current version: 3.0.1			WG (prime / other): T3 / -	rapporteur: BARNES, Nigel	MOTOROLA Ltd			
	freeze_meeting:			G: yes U:	MCC: DIETZE, Claus				
	history (event, available, version,								
	09/10/1997	3 . 0 . 1						<a href="#">get it</a>	remarks - general: SMG9->T3@#31 remarks - this release: .

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<b>TS 03.50</b>	<b>Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System</b>				
Ph1	<i>current version:</i> 3.4.0	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino	Telecom Italia Lab S.p.A.	
	<i>freeze_meeting:</i>	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	ETSI publication 01/01/1995 3 . 4 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i> #4: 3.2.2 #8: 3.3.0 #11: 3.4.0		
<hr/>					
<b>TS 03.70</b>	<b>Routeing of Calls to/from Public Data Networks (PDN)</b>				
Ph1	<i>current version:</i> 3.0.0	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat	
	<i>freeze_meeting:</i>	<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David		
	<i>history (event, available, version,</i>				
	ETSI publication 01/01/1995 3 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> N3: "no R99 needed".		
			<i>remarks - this release:</i> .		
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<b>TS 03.82</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 2</b>				
Ph1	<i>current version:</i> 3.2.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo	SONERA Corporation	
	<i>freeze_meeting:</i>	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<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> .		
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<b>TS 03.88</b>	<b>Call Barring (CB) supplementary services; Stage 2</b>				
Ph1	<i>current version:</i> 3.2.1	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> WIEHE, Ulrich	SIEMENS AG	
	<i>freeze_meeting:</i>	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<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> .		

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<b>TS 04.01</b>	<b>Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles</b>					
Ph1	<i>current version:</i> 3.0.1	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S		
	<i>freeze_meeting:</i>		Peter Skov			
		<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan			
	<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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<b>TS 04.02</b>	<b>GSM Public Land Mobile Network (PLMN) Access Reference Configuration</b>					
Ph1	<i>current version:</i> 3.0.2	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S		
	<i>freeze_meeting:</i>		Peter Skov			
		<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan			
	<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 04.03</b>	<b>Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities</b>					
Ph1	<i>current version:</i> 3.0.3	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S		
	<i>freeze_meeting:</i>		Peter Skov			
		<i>G: yes U:</i>	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version,</i>					
	ETSI publication 01/01/1995 3 . 0 . 3	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			
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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>	<i>G: yes U:</i>	<i>MCC:</i> 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> .			
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<b>TS 04.05</b>	<b>Data Link (DL) Layer General Aspects</b>					
Ph1	<i>current version:</i> 3.1.5	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S		
	<i>freeze_meeting:</i>		Peter Skov			
		<i>G: yes U:</i>	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version,</i>					
	ETSI publication 01/01/1995 3 . 1 . 5	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			

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<b>TS 04.06</b>	<b>Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification</b>					
Ph1	<i>current version:</i> 3.9.0	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S		
	<i>freeze_meeting:</i>		Peter Skov			
		G: yes U:	<i>MCC:</i> THOMASEN, Gert			
	<i>history (event, available, version,</i>					
	ETSI publication 01/01/1995 3 . 9 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			
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<b>TS 04.07</b>	<b>Mobile Radio Interface Signalling Layer 3 - General Aspects</b>					
Ph1	<i>current version:</i> 3.3.3	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> HOWELL, Andrew	MOTOROLA Ltd		
	<i>freeze_meeting:</i>	G: yes U:	<i>MCC:</i> 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> .			
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<b>TS 04.08</b>	<b>Mobile radio interface layer 3 specification</b>					
Ph1	<i>current version:</i> 3.14.0	<i>WG (prime / other):</i> N1 / G2	<i>rapporteur:</i> HOWELL, Andrew	MOTOROLA Ltd		
	<i>freeze_meeting:</i>	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version,</i>					
	ETSI publication 01/01/1995 3 . 13 . 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			
	ETSI publication 15/09/1997 3 . 14 . 0	<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	<i>current version:</i> 3.2.3	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S		
	<i>freeze_meeting:</i>		Peter Skov			
		G: yes U:	<i>MCC:</i> KYMALAINEN, Kimmo			
	<i>history (event, available, version,</i>					
	ETSI publication 01/01/1995 3 . 2 . 3	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> .			
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<b>TS 04.11</b>	<b>Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface</b>					
Ph1	<i>current version:</i> 3.3.0	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> NOBUYUKI, Uda	NTT COMWARE Corporation		
	<i>freeze_meeting:</i>	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan			
	<i>history (event, available, version,</i>					
	ETSI publication 01/01/1995 3 . 3 . 0	<a href="#">get it</a>	<i>remarks - general:</i>			
			<i>remarks - this release:</i> #5:3.3.0			

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<b>TS 04.12</b>	<b>Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface</b>						
Ph1	current version: 3.2.1	WG (prime / other): G2 / T2	rapporteur: ANDERSEN, Niels	MOTOROLA A/S			
	freeze_meeting:	G: yes U:	Peter Skov				
	history (event, available, version,	MCC: THOMASEN, Gert					
	ETSI publication 01/01/1995 3 . 2 . 1						
		<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	WG (prime / other): N3 / -	rapporteur: RÄSÄNEN, Juha	NOKIA Corporation			
	freeze_meeting:	G: yes U:	BOSWARTHICK, David				
	history (event, available, version,						
	ETSI publication 01/01/1995 3 . 4 . 0						
		<a href="#">get it</a>	remarks - general:				
			remarks - this release: .				
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<b>TS 04.22</b>	<b>Radio Link Protocol (RLP) for data and telematic services on the Mobile Station - Base Station System (MS - BSS) interface and the Base Station System - Mobile-services</b>						
Ph1	current version: <b>Switching Centre (BSS - MSC) interface</b>	3.7.0	WG (prime / other): N3	/-	rapporteur: KLEHN, Norbert		
	freeze_meeting:	G: yes U:	MCC: BOSWARTHICK, David				
	history (event, available, version,						
	ETSI publication 01/01/1995 3 . 7 . 0						
		<a href="#">get it</a>	remarks - general:				
			remarks - this release: .				
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<b>TS 04.80</b>	<b>Mobile Radio Interface Layer 3 - Supplementary Services Specification Formats and Coding</b>						
Ph1	current version: 3.2.0	WG (prime / other): N4 / -	rapporteur: WIEHE, Ulrich	SIEMENS AG			
	freeze_meeting:	G: yes U:	MCC: KYMALAINEN, Kimmo				
	history (event, available, version,						
	ETSI publication 01/01/1995 3 . 2 . 0						
		<a href="#">get it</a>	remarks - general:				
			remarks - this release: .				
<hr/>							
<b>TS 04.82</b>	<b>Call Forwarding (CF) Supplementary Services; Stage 3</b>						
Ph1	current version: 3.1.3	WG (prime / other): N4 / -	rapporteur: WIEHE, Ulrich	SIEMENS AG			
	freeze_meeting:	G: yes U:	MCC: KYMALAINEN, Kimmo				
	history (event, available, version,						
	ETSI publication 01/01/1995 3 . 1 . 3						
		<a href="#">get it</a>	remarks - general:				
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**TS 04.88 Call Barring (CB) Supplementary Services; Stage 3**

Ph1 *current version:* 3.1.3  
*freeze\_meeting:*  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 1 . 3

*WG (prime / other):* N4 / - *rapporteur:* WIEHE, Ulrich SIEMENS AG  
*G: yes U:* *MCC:* KYMALAINEN, Kimmo

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*remarks - this release:* .

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**TS 05.01 Physical Layer on the Radio Path (General Description)**

Ph1 *current version:* 3.3.2  
*freeze\_meeting:*  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 3 . 2

*WG (prime / other):* G1 / - *rapporteur:* JOKINEN, Harri NOKIA MOBILE PHONES  
*G: yes U:* *MCC:* USAI, Paolino

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*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:*  
*history (event, available, version,*  
smg-15 3 . 7 . 0  
smg-16 01/01/1995 3 . 8 . 0

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

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

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**TS 05.03 Channel coding**

Ph1 *current version:* 3.6.1  
*freeze\_meeting:*  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 6 . 1

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

[get it](#) *remarks - general:*  
*remarks - this release:* #12: 3.6.1

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Server ACTIVE specs Ph1 05 .- series  
[http://www.3gpp.org/ftp/Specs/archive/05\\_series](http://www.3gpp.org/ftp/Specs/archive/05_series)

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<b>TS 05.04</b>	<b>Modulation</b>					
Ph1	<i>current version:</i> 3.1.2			<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> SÉBIRE, Benoist	NOKIA Corporation
	<i>freeze_meeting:</i>			<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino	
	<i>history (event, available, version,</i>					
	ETSI publication 01/01/1995	3 . 1 . 2		<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i> .	
<hr/>						
<b>TS 05.05</b>	<b>Radio Transmission and Reception</b>					
Ph1	<i>current version:</i> 3.16.0			<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> SAMUELSSON, Mats	
	<i>freeze_meeting:</i>			<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino	
	<i>history (event, available, version,</i>					
	smg-04	3 . 14 . 0			<i>remarks - general:</i>	
	smg-06b	3 . 15 . 0			<i>remarks - this release:</i>	
	ETSI publication 01/01/1995	3 . 16 . 0		<a href="#">get it</a>		
<hr/>						
<b>TS 05.08</b>	<b>Radio Subsystem Link Control</b>					
Ph1	<i>current version:</i> 3.8.0			<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> EL-SAIGH, Amer	VODAFONE Group Plc
	<i>freeze_meeting:</i>			<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino	
	<i>history (event, available, version,</i>					
	ETSI publication 01/01/1995	3 . 8 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	
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<b>TS 05.10</b>	<b>Radio subsystem synchronization</b>					
Ph1	<i>current version:</i> 3.5.1			<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> JOKINEN, Harri	NOKIA MOBILE PHONES
	<i>freeze_meeting:</i>			<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino	
	<i>history (event, available, version,</i>					
	smg-04 01/01/1995	3 . 5 . 1		<a href="#">get it</a>	<i>remarks - general:</i>	
					<i>remarks - this release:</i>	

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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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<b>TS 06.01</b>	<b>Full Rate Speech Processing Functions</b>					
Ph1	current version: 3.0.0	WG (prime / other): S4 / -	rapporteur: USAI, Paolino	Telecom Italia Lab S.p.A.		
	freeze_meeting:	G: yes U:	MCC: USAI, Paolino			
	history (event, available, version, ETSI publication 01/01/1995 3 . 0 . 0				<a href="#">get it</a>	remarks - general: remarks - this release: .
<hr/>						
<b>TS 06.10</b>	<b>Full Rate Speech Transcoding</b>					
Ph1	current version: 3.2.0	WG (prime / other): S4 / -	rapporteur: LORENZ, Dietmar	PHILIPS Semiconductors		
	freeze_meeting:	G: yes U:	MCC: USAI, Paolino			
	history (event, available, version, ETSI publication 01/01/1995 3 . 2 . 0				<a href="#">get it</a>	remarks - general: remarks - this release: .
<hr/>						
<b>TS 06.11</b>	<b>Substitution and Muting of Lost Frames for Full Rate Speech Channels</b>					
Ph1	current version: 3.0.1	WG (prime / other): S4 / -	rapporteur: NAVARRO, William	NORTEL NETWORKS (EUROPE)		
	freeze_meeting:	G: yes U:	MCC: USAI, Paolino			
	history (event, available, version, ETSI publication 01/01/1995 3 . 0 . 1				<a href="#">get it</a>	remarks - general: remarks - this release: .
<hr/>						
<b>TS 06.12</b>	<b>Comfort Noise Aspects for Full Rate Speech Traffic Channels</b>					
Ph1	current version: 3.0.1	WG (prime / other): S4 / -	rapporteur: SERENO, Daniele	TELECOM ITALIA S.p.A.		
	freeze_meeting:	G: yes U:	MCC: USAI, Paolino			
	history (event, available, version, ETSI publication 01/01/1995 3 . 0 . 1				<a href="#">get it</a>	remarks - general: remarks - this release: .
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<b>TS 06.31</b>	<b>Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels</b>					
Ph1	current version: 3.1.0	WG (prime / other): S4 / -	rapporteur: USAI, Paolino	Telecom Italia Lab S.p.A.		
	freeze_meeting:	G: yes U:	MCC: USAI, Paolino			
	history (event, available, version, ETSI publication 01/01/1995 3 . 1 . 0				<a href="#">get it</a>	remarks - general: remarks - this release: .

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**TS 06.32 Voice Activity Detection (VAD)**  
Ph1 *current version:* 3.0.0  
*freeze\_meeting:*  
*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

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

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Ph1 07 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/07\\_series](http://www.3gpp.org/ftp/Specs/archive/07_series)

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**TS 07.01 General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)**  
Ph1 *current version:* 3.14.0  
*freeze\_meeting:*  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 14 . 0

*WG (prime / other):* N3 / - *rapporteur:* WIJK, Rune Werner Telefon AB LM Ericsson  
*G: yes U:* *MCC:* BOSWARTHICK, David

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

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**TS 07.02 Terminal Adaptation Functions (TAF) for Services Using Asynchronous Bearer Capabilities**  
Ph1 *current version:* 3.8.0  
*freeze\_meeting:*  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 8 . 0

*WG (prime / other):* N3 / - *rapporteur:* WIJK, Rune Werner Telefon AB LM Ericsson  
*G: yes U:* *MCC:* BOSWARTHICK, David

[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  
*freeze\_meeting:*  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 4 . 0

*WG (prime / other):* N3 / - *rapporteur:* WIJK, Rune Werner Telefon AB LM Ericsson  
*G: yes U:* *MCC:* BOSWARTHICK, David

[get it](#) *remarks - general:*  
*remarks - this release:* #5: 3.4.0

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Server ACTIVE specs Ph1 08 .- series  
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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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<b>TS 08.01</b>	<b>General Aspects on the BSS-MSC Interface</b>				
Ph1	current version: 3.0.1 freeze_meeting:	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	history (event, available, version, ETSI publication 01/01/1995 3 . 0 . 1	G: yes U:	MCC: THOMASEN, Gert		<a href="#">get it</a> remarks - general: remarks - this release: .
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<b>TS 08.02</b>	<b>Base Station System - Mobile Services Sw itching Centre (BSS-MSC) Interface - Interface Principles</b>				
Ph1	current version: 3.3.1 freeze_meeting:	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	history (event, available, version, ETSI publication 01/01/1995 3 . 3 . 1	G: yes U:	MCC: THOMASEN, Gert		<a href="#">get it</a> remarks - general: remarks - this release: .
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<b>TS 08.04</b>	<b>Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification</b>				
Ph1	current version: 3.0.3 freeze_meeting:	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	history (event, available, version, ETSI publication 01/01/1995 3 . 0 . 3	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>				
Ph1	current version: 3.5.2 freeze_meeting:	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels Peter Skov	MOTOROLA A/S	
	history (event, available, version, ETSI publication 01/01/1995 3 . 5 . 2	G: yes U:	MCC: THOMASEN, Gert		<a href="#">get it</a> remarks - general: remarks - this release: .

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<b>TS 08.08</b>	<b>Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification</b>				
Ph1	current version: 3.10.1	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels	MOTOROLA A/S	
	freeze_meeting:		Peter Skov		
		G: yes U:	MCC: THOMASEN, Gert		
	history (event, available, version,				
	ETSI publication 01/01/1995 3 . 0 . 0	<a href="#">get it</a>	remarks - general:		
	ETSI publication 01/01/1995 3 . 10 . 1	<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>				
Ph1	current version: 3.1.2	WG (prime / other): N3 / -	rapporteur: RÄSÄNEN, Juha	NOKIA Corporation	
	freeze_meeting:	G: yes U:	BOSWARTHICK, David		
	history (event, available, version,				
	ETSI publication 01/01/1995 3 . 1 . 2	<a href="#">get it</a>	remarks - general:		
			remarks - this release: .		
<hr/>					
<b>TS 08.51</b>	<b>Base Station Controller- Base Tranceiver Station (BSC-BTS) Interface General Aspects</b>				
Ph1	current version: 3.0.2	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels	MOTOROLA A/S	
	freeze_meeting:		Peter Skov		
		G: yes U:	MCC: THOMASEN, Gert		
	history (event, available, version,				
	ETSI publication 01/01/1995 3 . 0 . 2	<a href="#">get it</a>	remarks - general:		
			remarks - this release: .		
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<b>TS 08.52</b>	<b>Base Station Controller- Base Tranceiver Station (BSC-BTS) Interface - Interface Principles</b>				
Ph1	current version: 3.0.2	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels	MOTOROLA A/S	
	freeze_meeting:		Peter Skov		
		G: yes U:	MCC: THOMASEN, Gert		
	history (event, available, version,				
	ETSI publication 01/01/1995 3 . 0 . 2	<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>				
Ph1	current version: 3.0.1	WG (prime / other): G2 / -	rapporteur: ANDERSEN, Niels	MOTOROLA A/S	
	freeze_meeting:		Peter Skov		
		G: yes U:	MCC: THOMASEN, Gert		
	history (event, available, version,				
	ETSI publication 01/01/1995 3 . 0 . 1	<a href="#">get it</a>	remarks - general:		
			remarks - this release: .		

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					Server	ACTIVE specs	Ph1	08	.- series
<b>TS 08.56</b>	<b>BSC-BTS Layer 2; Specification</b>								
Ph1	<i>current version:</i> 3.1.1			<i>WG (prime / other):</i> G2 / -					
	<i>freeze_meeting:</i>			<i>rapporteur:</i> ANDERSEN, Niels					MOTOROLA A/S
				Peter Skov					
				<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> .
<b>TS 08.58</b>	<b>Base Station Controller- Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification</b>								
Ph1	<i>current version:</i> 3.6.0			<i>WG (prime / other):</i> G2 / -					MOTOROLA A/S
	<i>freeze_meeting:</i>			<i>rapporteur:</i> ANDERSEN, Niels					
				Peter Skov					
				<i>MCC:</i> THOMASEN, Gert					
	<i>history (event, available, version,</i>								
	ETSI publication 01/01/1995	3	. 0	. 0					
	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>
				<a href="#">get it</a>					<i>remarks - this release:</i> #10: 3.6.0
				<a href="#">get it</a>					
<b>TS 08.59</b>	<b>BSC-BTS O&amp;M Signalling Transport</b>								
Ph1	<i>current version:</i> 3.1.0			<i>WG (prime / other):</i> G3 / -					
	<i>freeze_meeting:</i>			<i>rapporteur:</i> VACANT,					
				USAI, Paolino					
	<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> .
<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>								
Ph1	<i>current version:</i> 3.3.1			<i>WG (prime / other):</i> G1 / -					MOTOROLA A/S
	<i>freeze_meeting:</i>			<i>rapporteur:</i> ANDERSEN, Niels					
				Peter Skov					
				<i>MCC:</i> USAI, Paolino					
	<i>history (event, available, version,</i>								
	ETSI publication 01/01/1995	3	. 3	. 1					
				<a href="#">get it</a>					<i>remarks - general:</i> 2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
									<i>remarks - this release:</i> .

Ph1

09 .- series

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<b>TR 09.01</b>	<b>General Network Interworking Scenarios</b>						
Ph1	current version: 3.0.1		WG (prime / other): N4 / -	rapporteur: KYMALAINEN, Kimmo	SONERA Corporation		
	freeze_meeting:		G: yes U:	MCC: KYMALAINEN, Kimmo			
	history (event, available, version, ETSI publication 01/01/1995 3 . 0 . 1		<a href="#">get it</a>	remarks - general: remarks - this release: .			
<b>TS 09.02</b>	<b>Mobile Application Part (MAP) Specification</b>						
Ph1	current version: 3.11.0		WG (prime / other): N4 / -	rapporteur: WIEHE, Ulrich	SIEMENS AG		
	freeze_meeting:		G: yes U:	MCC: KYMALAINEN, Kimmo			
	history (event, available, version, ETSI publication 01/01/1995 3 . 0 . 0 ETSI publication 01/01/1995 3 . 11 . 0		<a href="#">get it</a>	remarks - general: CN->N4 Apr00 (JMM)			
			<a href="#">get it</a>	remarks - this release:			
<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 Network (PLMN)</b>						
Ph1	current version: <b>Network (PLMN)</b>	3.0.1	WG (prime / other):	N3 / -	rapporteur: BOSWARTHICK, David		
	ETSI Secretariat		G: yes U:	MCC: BOSWARTHICK, David			
	freeze_meeting:						
	history (event, available, version, ETSI publication 01/01/1995 3 . 0 . 1		<a href="#">get it</a>	remarks - general: N3: "no R99 needed". remarks - this release: .			
<b>TS 09.04</b>	<b>Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)</b>						
Ph1	current version: 3.0.1		WG (prime / other): N3 / -	rapporteur: BOSWARTHICK, David	ETSI Secretariat		
	freeze_meeting:		G: yes U:	MCC: BOSWARTHICK, David			
	history (event, available, version, ETSI publication 01/01/1995 3 . 0 . 1		<a href="#">get it</a>	remarks - general: N3: "no R99 needed". remarks - this release: .			
<b>TS 09.05</b>	<b>Interworking between the PLMN and the PSPDN for PAD Access</b>						
Ph1	current version: 3.2.2		WG (prime / other): N3 / -	rapporteur: BOSWARTHICK, David	ETSI Secretariat		
	freeze_meeting:		G: yes U:	MCC: BOSWARTHICK, David			
	history (event, available, version, ETSI publication 01/01/1995 3 . 2 . 2		<a href="#">get it</a>	remarks - general: N3: "no R99 needed". remarks - this release: .			

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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 Network (PSTN)</b>	3.10.0	WG (prime / other):	N3	/-	rapporteur:	KLEHN, Norbert
Ph1	current version: Network (PSTN)						
SIEMENS AG							
	freeze_meeting:	G: yes	U:	MCC:			BOSWARTHICK, David
	history (event, available, version, ETSI publication 01/01/1995	3	.	10	.	0	
			<a href="#">get it</a>	remarks - general:			remarks - this release: #5: 3.8.0 #9: 3.9.0 #14: 3.10.0

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<b>TS 09.09</b>	<b>Detailed Signalling Interworking within the PLMN and with the PSTN/ISDN</b>		WG (prime / other):	N4	/-	rapporteur:	VAINIKKA, Jari	NOKIA Corporation
Ph1	current version: 1.0.0	DRAFT				MCC:	KYMALAINEN, Kimmo	
	freeze_meeting:		G: yes	U:				
	history (event, available, version, First complete 01/01/1992	1	.	0	.	0		
	draft							
			<a href="#">get it</a>	remarks - general:				remarks - this release: .

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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>	3.0.2	WG (prime / other):	N4	/-	rapporteur:	KYMALAINEN, Kimmo
Ph1	current version: Procedures and the Mobile Application Part (MAP)						
SONERA Corporation							
	freeze_meeting:	G: yes	U:	MCC:			KYMALAINEN, Kimmo
	history (event, available, version, ETSI publication 01/01/1995	3	.	0	.	0	
	ETSI publication 01/01/1995	3	.	0	.	2	
			<a href="#">get it</a>	remarks - general:			remarks - this release: .

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<b>TS 09.11</b>	<b>Signalling Interworking for Supplementary Services</b>		WG (prime / other):	N4	/-	rapporteur:	WIEHE, Ulrich	SIEMENS AG
Ph1	current version: 3.0.1					MCC:	KYMALAINEN, Kimmo	
	freeze_meeting:	G: yes	U:					
	history (event, available, version, ETSI publication 01/01/1995	3	.	0	.	1		
			<a href="#">get it</a>	remarks - general:				remarks - this release: .

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Ph1 11 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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## TS 11.10 Mobile Station Conformity Specification

Ph1 *current version:* 3.23.1  
*freeze\_meeting:*

*WG (prime / other):* G4 / S1 / rapporteur: LEGRAND, Walter EADS/DSN

G5 /  
 NP /  
 T2 /  
 SCP

*G: yes U:* MCC: CLAYTON, Michael

*history (event, available, version,*

First complete	01/01/1992	1	.	0	.	0
draft						
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		3	.	14	.	0
smg-28	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	02/09/1966	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:*

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## TS 11.11 Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface

Ph1 *current version:* 3.16.0  
*freeze\_meeting:*

*WG (prime / other):* T3 / - rapporteur: GUTHERY, Scott B. Mobile-Mind Inc.

*G: yes U:* MCC: DIETZE, Claus

*history (event, available, version,*

ETSI publication	01/01/1995	3	.	3	.	3
ETSI publication	01/01/1995	3	.	16	.	0

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

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

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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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**TS 11.30 Mobile Services Switching Centre**

Ph1 *current version:* 3.2.1  
*freeze\_meeting:*  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 2 . 1

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

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

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**TS 11.31 Home Location Register Specification**

Ph1 *current version:* 3.2.1  
*freeze\_meeting:*  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 2 . 1

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

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

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**TS 11.32 Visitor Location Register Specification**

Ph1 *current version:* 3.2.1  
*freeze\_meeting:*  
*history (event, available, version,*  
ETSI publication 01/01/1995 3 . 2 . 1

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

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

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**TS 11.40 DCS 1800 System Simulator Conformity Specification**

Ph1 *current version:* 3.7.0  
*freeze\_meeting:*  
*history (event, available, version,*  
ETSI publication 01/01/1996 3 . 3 . 0  
smg-02 3 . 6 . 0  
smg-11 01/01/1996 3 . 7 . 0

*WG (prime / other):* G4 / - *rapporteur:*  
*G: yes U:* MCC: CLAYTON, Michael

[get it](#) *remarks - general:*  
*remarks - this release:* #2: 3.6.0 #11: 3.7.0  
[get it](#)

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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)

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)

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**TS 12.10 Maintenance Provisions for Operational Integrity of MSs**

Ph1 *current version: none*  
*freeze\_meeting:*  
*history (event, available, version,*

*WG (prime / other):* S5 / *rapporteur:* TRUSS, Michael  
*G: yes U: yes* *MCC:* ZOICAS, Adrian

MOTOROLA Ltd

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

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**TS 12.13 Maintenance of the Mobile-services Switching Centre**

Ph1 *current version: none*  
*freeze\_meeting:*  
*history (event, available, version,*

*WG (prime / other):* S5 / *rapporteur:* TRUSS, Michael  
*G: yes U:* *MCC:* ZOICAS, Adrian

MOTOROLA Ltd

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

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**TS 12.14 Maintenance of Location Registers**

Ph1 *current version: none*  
*freeze\_meeting:*  
*history (event, available, version,*

*WG (prime / other):* S5 / *rapporteur:* TRUSS, Michael  
*G: yes U:* *MCC:* ZOICAS, Adrian

MOTOROLA Ltd

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

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Ph1

TB .- series

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

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**TS TBR 5 General Attachment Requirements for GSM Mobile Stations**

Ph1 *current version: none*  
*freeze\_meeting:*  
*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)*

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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 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:  
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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## WITHDRA specs

<?>

<?> 34 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/34\\_series](http://www.3gpp.org/ftp/Specs/archive/34_series)

**TR 34.801 (reserved for T1 RF group)**  
<?> current version: none  
freeze\_meeting:  
history (event, available, version,

WG (prime / other): T1 / rapporteur: ,  
G: U: yes MCC: SALMERON, Lidia

remarks - general: 2002-09-16: -> 34.901.  
remarks - this release: .

## Rel-6

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 23.246 Multimedia Broadcast/Multicast Service (MBMS); Stage 2**  
Rel-6 current version: none  
freeze\_meeting:  
history (event, available, version,  
draft 14/11/2002 0 . 1 . 0

WG (prime / other): S2 / rapporteur: JARVIS, Andre Hutchison 3G UK Limited  
G: U: yes MCC: SULTAN, Alain

[get it](#) remarks - general: Note that stage 1 is 22.146. Meanwhile, stage 2 scenarios are worked on in  
remarks - this release: .

**TS 23.340 (reserved for: " IP Multimedia Subsystem (IMS) messaging; Stage 2")**  
Rel-6 current version: none  
freeze\_meeting:  
history (event, available, version,

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

remarks - general:  
remarks - this release: .

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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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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:* *history (event, available, version,*  
*WG (prime / other):* T2 / - *rapporteur:* MUDGE, John VODAFONE Group Plc  
*G:* *U:* yes *MCC:* RODERMUND, Friedhelm  
*remarks - general:* Justification: see SP-020608. Stages 1 & 2: 32.150. Provisional  
*remarks - this release:* provisional TP-18: rapporteur not confirmed.

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Rel-6 **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:* *history (event, available, version,*  
*WG (prime / other):* S3 / *rapporteur:* POPE, Maurice  
*G:* *U:* yes  
*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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G = required in systems with GERAN acces; U = required in systems with UMTS

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Server WITHDRAWN specs Rel-6 33 .- series  
[http://www.3gpp.org/ftp/Specs/archive/33\\_series](http://www.3gpp.org/ftp/Specs/archive/33_series)

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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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**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 TruePosition Inc.  
*G: yes U:* *MCC:* USAI, Paolino

*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 SchlumbergerSema - Schlumberger Systèmes S.A  
*G: yes U:* *MCC:* DIETZE, Claus

*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 NOKIA Corporation  
*G: yes U:* *MCC:* USAI, Paolino

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

**TR 49.994 Recommended infrastructure measures to overcome specific Mobile Station (MS) faults**  
Rel-6 *current version: none* WG (prime / other): N1 / - *rapporteur:* ANDERSEN, Niels 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.

## Rel-5

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

**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](#)

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



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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)

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<b>TS 22.146</b>	<b>Multimedia Broadcast/Multicast Service (MBMS); Stage 1</b>										
Rel-5	<i>current version:</i> none			<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> JARVIS, Andre	Hutchison 3G UK Limited					
	<i>freeze_meeting:</i> SP-15			G: U: yes	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version,</i>										
	SP-13 01/10/2001	2	. 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	Replaces 22.946. Note that stage 2 is 23.246.				
	SP-13 05/10/2001	5	. 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	SP-15: To be a Rel-6 service, not Rel-5. SP-16 formally withdrw Rel-5.				
	SP-14 10/01/2002	5	. 1 . 0		<a href="#">get it</a>						
	SP-15 28/03/2002	5	. 2 . 0		<a href="#">get it</a>						SP-16: withdrawn.
<hr/>											
<b>TS 22.174</b>	<b>Push service; Stage 1</b>										
Rel-5	<i>current version:</i> none			<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> WOLAK, Stephen	VODAFONE Group Plc					
	<i>freeze_meeting:</i> SP-15			G: yes U: yes	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version,</i>										
						<i>remarks - general:</i>					
						<i>remarks - this release:</i>	SP-15: Timed out of Rel-5.				
<hr/>											
<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>WG (prime / other):</i> S1 /	<i>rapporteur:</i> AMERY, Paul	ORANGE PCS LTD					
	<i>freeze_meeting:</i> SP-15			G: U: yes	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version,</i>										
	draft	0	. 5 . 0			<i>remarks - general:</i>	Cf work item 'Generic user profile'				
	SP-17 16/09/2002	1	. 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	SP-15: Delayed to Rel-6				S1-020186 SP-020568
<hr/>											
<b>TS 22.243</b>	<b>Speech recognition framework for automated voice services; Stage 1</b>										
Rel-5	<i>current version:</i> none			<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> WILLIAMS, David Hugh	QUALCOMM EUROPE S.A.R.L.					
	<i>freeze_meeting:</i> SP-15			G: yes U: yes	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version,</i>										
	S1 draft	0	. 0 . 2			<i>remarks - general:</i>					
	SP-14 02/01/2002	1	. 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i>	SP-15: Delayed to Rel-6.				SP-010680
<hr/>											
<b>TR 22.946</b>	<b>Broadcast and multicast services</b>										
Rel-5	<i>current version:</i> none			<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i>						
	<i>freeze_meeting:</i> SP-15			G: U: yes	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version,</i>										
	SP-12 27/06/2001	1	. 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>	Replaced by 22.146.				
						<i>remarks - this release:</i>	To be scrapped SP-13. 2001-11-28: assume to be withdrawn since 22.146 approved at SP-13.				

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

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 SONERA Corporation  
*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.

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**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:* SULTAN, Alain

*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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**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:* SULTAN, Alain

*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 ...".

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

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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)

<b>TS 23.241</b>	<b>3GPP Generic User Profile (GUP) requirements; Stage 2; Data description framework</b>								
Rel-5	<i>current version:</i> none	<i>freeze_meeting:</i> TP-15	<i>history (event, available, version,</i>	<i>WG (prime / other):</i> T2 /	<i>G:</i> U: yes	<i>rapporteur:</i> HOLOUBEK, Kevin J. Motorola Inc.	<i>MCC:</i> RODERMUND, Friedhelm		
						<i>remarks - general:</i> Cf work item 'Generic user profile'			
						<i>remarks - this release:</i> TP-15: Delayed to Rel-6.			
<b>TS 23.246</b>	<b>Multimedia Broadcast/Multicast Service (MBMS); Stage 2</b>								
Rel-5	<i>current version:</i> none	<i>freeze_meeting:</i> SP-15	<i>history (event, available, version,</i>	<i>WG (prime / other):</i> S2 /	<i>G:</i> U: yes	<i>rapporteur:</i> JARVIS, Andre Hutchison 3G UK Limited	<i>MCC:</i> SULTAN, Alain		
						<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.			
<b>TR 23.841</b>	<b>Presence service architecture</b>								
Rel-5	<i>current version:</i> none	<i>freeze_meeting:</i> SP-15	<i>history (event, available, version,</i>	<i>WG (prime / other):</i> S2 /	<i>G:</i> U: yes	<i>rapporteur:</i> MAANSAARI, Kirsi NOKIA KOREA	<i>MCC:</i> SULTAN, Alain		
	draft 21/01/2002	0 . 3 . 0			<a href="#">get it</a>	<i>remarks - general:</i>			
	draft	0 . 5 . 0				<i>remarks - this release:</i> -> Rel-6			
	SP-15 19/03/2002	1 . 0 . 0	SP-020156		<a href="#">get it</a>				
	S2-24	1 . 1 . 0							
<b>TR 23.846</b>	<b>Multimedia Broadcast/Multicast Service (MBMS); Stage 2</b>								
Rel-5	<i>current version:</i> none	<i>freeze_meeting:</i> SP-15	<i>history (event, available, version,</i>	<i>WG (prime / other):</i> S2 /	<i>G:</i> U: yes	<i>rapporteur:</i> JARVIS, Andre Hutchison 3G UK Limited	<i>MCC:</i> SULTAN, Alain		
	draft 03/01/2002	0 . 0 . 1			<a href="#">get it</a>	<i>remarks - general:</i> This is a preparatory report which may result in the creation of a stage 2 TS			
	S2-22 22/01/2002	0 . 1 . 0			<a href="#">get it</a>	<i>remarks - this release:</i> SP-15: To be a Rel-6 service, not Rel-5.			
	draft 19/03/2002	0 . 2 . 0			<a href="#">get it</a>				
<b>TR 23.908</b>	<b>Technical report on Pre-Paging</b>								
Rel-5	<i>current version:</i> none	<i>freeze_meeting:</i> NP-15	<i>history (event, available, version,</i>	<i>WG (prime / other):</i> N4 / -	<i>G:</i> yes U: yes	<i>rapporteur:</i> KYMALAINEN, Kimmo SONERA Corporation	<i>MCC:</i> KYMALAINEN, Kimmo		
	NP-16	5 . 0 . 0	2002-06-21: Kymalainen: no need to upgrade to Rel-5.			<i>remarks - general:</i>			
						<i>remarks - this release:</i> 2002-06-21: Kymalainen: no need to upgrade to Rel-5.			

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

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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)

<b>TR 23.909</b>	<b>Technical report on the Gateway Location Register</b>	Rel-5	<i>current version:</i> none <i>freeze_meeting:</i> NP-15	WG (prime / other): N4 / - G: yes U: 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>	<b>Technical report on Out-of-band transcoder control</b>	Rel-5	<i>current version:</i> none <i>freeze_meeting:</i> NP-15	WG (prime / other): N4 / - G: yes U: yes	<i>rapporteur:</i> KYMALAINEN, Kimmo <i>MCC:</i> KYMALAINEN, Kimmo	SONERA Corporation
	<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>	<b>Technical report on Super-Charger</b>	Rel-5	<i>current version:</i> none <i>freeze_meeting:</i> NP-15	WG (prime / other): N4 / - G: yes U: 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>	<b>Charging implications of IMS architecture</b>	Rel-5	<i>current version:</i> none <i>freeze_meeting:</i> SP-15	WG (prime / other): S2 / G: yes U: yes	<i>rapporteur:</i> MILINSKI, Alexander <i>MCC:</i> SULTAN, Alain	SIEMENS AG
	<i>history (event, available, version, SP-13 01/10/2001)</i>	2 . 0 . 0	SP-010508 - approved as 23.875	<a href="#">get it</a>	<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 23.974</b>	<b>Support of push service</b>	Rel-5	<i>current version:</i> none <i>freeze_meeting:</i> SP-15	WG (prime / other): S2 / G: U: yes	<i>rapporteur:</i> UDA, Nobuyuki <i>MCC:</i> SULTAN, Alain	NTT COMWARE Corporation
	<i>history (event, available, version, SP-13 01/10/2001)</i>	2 . 0 . 0	SP-010508 - approved as 23.875	<a href="#">get it</a>	<i>remarks - general:</i> SP-13: changed number to 23.875. <i>remarks - this release:</i> May-2001: Sultan wonders w hether this spec is needed. SP-13: Concern that this is a poor title - it is NOT a real stage 2.	

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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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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 requirements; Stage 3; Access; Common objects**

Rel-5 *current version:* none *WG (prime / other):* T2 / *rapporteur:* HOLOUBEK, Kevin J. Motorola Inc.  
*freeze\_meeting:* TP-16 *G:* *U:* yes *MCC:* RODERMUND, Friedhelm

*history (event, available, version,*

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

*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

[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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**TR 25.861 RNC - SMLC location protocol**

Rel-5 *current version:* none *WG (prime / other):* R2 / *rapporteur:* MIKOLA, Juha NOKIA Corporation  
*freeze\_meeting:* RP-15 *G:* *U:* yes *MCC:* ARZELIER, Claude

*history (event, available, version,*

*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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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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<b>TR 25.885</b>	<b>UMTS 1800 / 1900 MHz work items report</b>									
Rel-5	<i>current version: none</i>			<i>WG (prime / other):</i> R4 /	<i>rapporteur:</i> NUMMINEN, Jussi	NOKIA Corporation				
	<i>freeze_meeting:</i> RP-15			<i>G:</i> U: yes	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar					
	<i>history (event, available, version,</i>									
	RP-13 01/10/2001 1 . 0 . 0	RP-010672.	RP-17: withdrawn.	<a href="#">get it</a>	<i>remarks - general:</i>					
					<i>remarks - this release:</i>	RP-17: withdrawn.				
<hr/>										
<b>TR 25.886</b>	<b>Small technical enhancements and improvements work item</b>									
Rel-5	<i>current version: none</i>			<i>WG (prime / other):</i> R4 /	<i>rapporteur:</i>					
	<i>freeze_meeting:</i> RP-15			<i>G:</i> U: yes	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar					
	<i>history (event, available, version,</i>									
					<i>remarks - general:</i>					
					<i>remarks - this release:</i>	RP-17: withdrawn.				
<hr/>										
<b>TR 25.887</b>	<b>Beamforming</b>									
Rel-5	<i>current version: none</i>			<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> KAHTAVA, Jussi	Nokia Japan Co. Ltd				
	<i>freeze_meeting:</i> RP-15			<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa					
	<i>history (event, available, version,</i>									
	R1-22 0 . 0 . 1	R1-011342			<i>remarks - general:</i>					
	RP-14 07/12/2001 1 . 0 . 0	RP-010800		<a href="#">get it</a>	<i>remarks - this release:</i>	RP-15: Deferred to Rel-6.				
<hr/>										
<b>TR 25.888</b>	<b>Improvement of inter frequency and inter system measurement for 1,28 Mcps TDD</b>									
Rel-5	<i>current version: none</i>			<i>WG (prime / other):</i> R1 / -	<i>rapporteur:</i> LI, Xiaoqiang	SAMSUNG Electronics Research Institute				
	<i>freeze_meeting:</i> RP-16			<i>G:</i> U: yes	<i>MCC:</i> SASAKI, Tsukasa					
	<i>history (event, available, version,</i>									
	RP-17 24/09/2002 1 . 0 . 0	RP-020508		<a href="#">get it</a>	<i>remarks - general:</i>					
					<i>remarks - this release:</i>	-> Rel-6				

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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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[http://www.3gpp.org/ftp/Specs/archive/27\\_series](http://www.3gpp.org/ftp/Specs/archive/27_series)

## TS 27.226 Global Text telephony (GTT);Terminal aspects

Rel-5 *current version:* none  
*freeze\_meeting:* TP-15  
*history (event, available, version,*

*WG (prime / other):* T2 / - *rapporteur:* HELLSTROM, Gunnar The Swedish Handicap Institute  
*G:* yes *U:* yes *MCC:* RODERMUND, Friedhelm

*remarks - general:* SP-16: to "GERAN" set.  
*remarks - this release:* WI approved TSG#7. WG Secretary 2001-08-30: No need for any terminal spec for this application; so stopped.

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 29.163 Interworking between the IM CN subsystem and 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 [get it](#)  
NP-14 02/01/2002 1 . 0 . 0 NP-010565 [get it](#)  
NP-15 18/02/2002 1 . 2 . 0 NP-020077 [get it](#)

*remarks - general:*  
*remarks - this release:* NP-16: shifted to Rel-6.

## TS 29.198-04 Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control

Rel-5 *current version:* none  
*freeze\_meeting:* NP-15  
*history (event, available, version,*

*WG (prime / other):* N5 / *rapporteur:* BAKKER, John-Luc Telcordia Technologies, Inc.  
*G:* *U:* yes *MCC:* ZOICAS, Adrian

NP-16 5 . 0 . 0 Interim step; not to be produced. See sub-parts.

*remarks - general:*  
*remarks - this release:* Split into sub-parts.

## TS 29.198-09 Open Service Access (OSA) Application Programming Interface (API); Part 9: Generic messaging SCF

Rel-5 *current version:* none  
*freeze\_meeting:* NP-15  
*history (event, available, version,*

*WG (prime / other):* N5 / *rapporteur:* ,  
*G:* *U:* yes *MCC:* ZOICAS, Adrian

*remarks - general:*  
*remarks - this release:* 2001-05-18: Changed to Rel-5 from Rel-4 on info from Zoicas. SP-14 stopped.

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 29.198-10 Open Service Access (OSA) Application Programming Interface (API); Part 10: Connectivity manager SCF**

Rel-5 *current version:* none  
*freeze\_meeting:* NP-15  
*history (event, available, version,*

*WG (prime / other):* N5 / *rapporteur:* ,  
*G:* *U:* yes *MCC:* ZOICAS, Adrian

*remarks - general:*  
*remarks - this release:* 2001-05-18: Changed to Rel-5 from Rel-4 on info from Zoicas. SP-14 stopped.

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**TS 29.203 Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)**

Rel-5 *current version:* none  
*freeze\_meeting:* NP-15  
*history (event, available, version,*

*WG (prime / other):* N4 / *rapporteur:* YOUNG, Michael MOTOROLA Ltd  
*G:* *U:* yes *MCC:* KYMALAINEN, Kimmo

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

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

*remarks - general:*  
*remarks - this release:* WI approved TSG#7

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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:* .

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Server WITHDRAWN specs Rel-5 31 .- series  
[http://www.3gpp.org/ftp/Specs/archive/31\\_series](http://www.3gpp.org/ftp/Specs/archive/31_series)

Rel-5 **31** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/31\\_series](http://www.3gpp.org/ftp/Specs/archive/31_series)

## TS 31.115 Secured packet structure for (U)SIM Toolkit applications

Rel-5 *current version: none*  
*freeze\_meeting: TP-16*  
*history (event, available, version,*  
TP-15 19/03/2002 0 . 0 . 2 TP-020031  
TP-15 19/03/2002 1 . 0 . 0 TP-020075

WG (prime / other): T3 / - *rapporteur:* VIALLET, Sophie GEMPLUS Card International  
G: U: yes *MCC:* DIETZE, Claus

[get it](#) *remarks - general:* additional rapporteur: Florence Martin.  
[get it](#) *remarks - this release:* TP-16: offered for approval as Rel-6, so scrap Rel-5.

## TS 31.116 Remote APDU Structure for (U)SIM Toolkit applications

Rel-5 *current version: none*  
*freeze\_meeting: TP-16*  
*history (event, available, version,*  
TP-15 19/03/2002 0 . 1 . 0 TP-020032  
TP-15 19/03/2002 1 . 0 . 0 TP-020076

WG (prime / other): T3 / - *rapporteur:* VIALLET, Sophie GEMPLUS Card International  
G: yes U: yes *MCC:* DIETZE, Claus

[get it](#) *remarks - general:* additional rapporteur: Florence Martin  
[get it](#) *remarks - this release:* TP-16: offered for approval as Rel-6, so scrap Rel-5.

## TS 31.131 C-language binding for (U)SIM API

Rel-5 *current version: none*  
*freeze\_meeting: TP-16*  
*history (event, available, version,*  
TP-14 02/01/2002 1 . 0 . 0 TP-010249

WG (prime / other): T3 / *rapporteur:* TON, Wim ASPECTS Software Ltd  
G: U: yes *MCC:* DIETZE, Claus

[get it](#) *remarks - general:* Test spec is 34.131.  
*remarks - this release:* TP-17: Clear that the spec is Rel-6 not Rel-5.

Rel-5 **32** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/32\\_series](http://www.3gpp.org/ftp/Specs/archive/32_series)

## TS 32.108 Telecommunication management; Subscriber and equipment trace

Rel-5 *current version: none*  
*freeze\_meeting: SP-16*  
*history (event, available, version,*  
draft 08/11/2001 0 . 0 . 1  
draft 26/02/2002 0 . 1 . 0

WG (prime / other): S5 / NP *rapporteur:* RONKA, Kari NOKIA Corporation  
G: U: yes *MCC:* ZOICAS, Adrian

[get it](#) *remarks - general:* 2002-04-29: source Christian Toche - will not be published. Replace with 32.411,  
[get it](#) *remarks - this release:* SP-15: Partial service only. 32..42x and 52.008.

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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 32.112</b>	<b>Telecommunication management; Fault Management; Alarm Integration Reference Point: Information Service</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 32.113</b>	<b>Telecommunication management; Fault Management; Alarm Integration Reference Point: CORBA solution set version 1:1</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: 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> CARYER, Geoffrey	TELECOMMUNICATIONS MANAGEMENT CONSULTANTS Ltd.	
	<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> ,		
	<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> .		

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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 32.681</b>	<b>Telecommunication management; Inventory management; Inventory management Integration Reference Point (IRP): Requirements</b>				
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PAL, Tapinder		T-MOBILE DEUTSCHLAND
	<i>freeze_meeting:</i> SP-17	G: 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 32.682</b>	<b>Telecommunication management; Inventory management; Inventory management Integration Reference Point (IRP): Information service</b>				
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PAL, Tapinder		T-MOBILE DEUTSCHLAND
	<i>freeze_meeting:</i> SP-17	G: 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; Inventory management Integration Reference Point (IRP): CORBA solution set</b>				
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PAL, Tapinder		T-MOBILE DEUTSCHLAND
	<i>freeze_meeting:</i> SP-17	G: 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; Inventory management Integration Reference Point (IRP): CMIP solution set</b>				
Rel-5	<i>current version:</i> none	<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i> PAL, Tapinder		T-MOBILE DEUTSCHLAND
	<i>freeze_meeting:</i> SP-17	G: 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:</i> none	<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i> KORINEK, Frank		Motorola Inc.
	<i>freeze_meeting:</i> SP-15	G: 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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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)

Rel-5 **33** .- series Server location: [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: none*  
*history (event, available, version, none)*

WG (prime / other): S3 / - *rapporteur:* ESCOTT, Adrian Hutchison 3G UK Limited  
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 **42** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/42\\_series](http://www.3gpp.org/ftp/Specs/archive/42_series)

## TS 42.031 Fraud Information Gathering System (FIGS); Service description; Stage 1

Rel-5 *current version: none*  
*freeze\_meeting: SP-15*

*history (event, available, version, none)*  
SP-16 24/06/2002 5 . 0 . 0 SP-18: withdrawn.

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:* 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*

*history (event, available, version, none)*

WG (prime / other): S3 / *rapporteur:* WRIGHT, Tim Indicate persons who left Company and wait for new One  
G: yes U: *MCC:* POPE, Maurice

*remarks - general:* SP-16: withdrawn in favour of 22.032.  
*remarks - this release:* SP-16: withdrawn in favour of 22.032.

Rel-5 **43** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/43\\_series](http://www.3gpp.org/ftp/Specs/archive/43_series)

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)

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<b>TS 43.031</b>	<b>Fraud Information Gathering System (FIGS); Service description; Stage 2</b>								
Rel-5	<i>current version:</i> none <i>freeze_meeting:</i> SP-15		<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WRIGHT, Tim				Indicate persons who left Company and wait for new One	
			<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice					
	<i>history (event, available, version,</i> SP-16 24/06/2002 5 . 0 . 0 SP-18: withdrawn.		<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> SP-18: decided FIGS is joint GERAN/UTRAN so -> 23.031. Rel-5 -> 23.031.					

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<b>TS 43.035</b>	<b>Immediate Service Termination (IST); Stage 2</b>								
Rel-5	<i>current version:</i> none <i>freeze_meeting:</i> SP-15		<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WRIGHT, Tim				Indicate persons who left Company and wait for new One	
			<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice					
	<i>history (event, available, version,</i>			<i>remarks - general:</i> SP-16: withdrawn in favour of 23.035. <i>remarks - this release:</i> SP-16: withdrawn in favour of 23.035.					

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<b>TR 43.930</b>	<b>Iur-g interface; Stage 2</b>								
Rel-5	<i>current version:</i> none <i>freeze_meeting:</i> GP-09		<i>WG (prime / other):</i> G2 /	<i>rapporteur:</i> CARRIZO MARTINEZ, Jose Luis	VODAFONE Group Plc				
			<i>G: yes U:</i>	<i>MCC:</i> THOMASEN, Gert					
	<i>history (event, available, version,</i> 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		<a href="#">get it</a> <a href="#">get it</a> <a href="#">get it</a> <a href="#">get it</a>	<i>remarks - general:</i> GP-11: Withdrawn and replaced with 43.130. <i>remarks - this release:</i> This record originally created as Rel-6, but GP-10 approves as Rel-5. GP-11: Withdrawn and replaced with 43.130.					

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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)

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

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WITHDRAWN specs Rel-5 49 .- series  
Server [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-5 *current version: none* WG (prime / other): N1 / - *rapporteur:* ANDERSEN, Niels MOTOROLA A/S  
*freeze\_meeting:* 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-5 **51** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/51\\_series](http://www.3gpp.org/ftp/Specs/archive/51_series)

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**TS 51.011 Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface**  
Rel-5 *current version: none* WG (prime / other): T3 / - *rapporteur:* GUTHERY, Scott B. Mobile-Mind Inc.  
*freeze\_meeting:* TP-15 G: yes U: *MCC:* 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.

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## Rel-4

Rel-4 **22** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/22\\_series](http://www.3gpp.org/ftp/Specs/archive/22_series)

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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)

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**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 (!).

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**TS 22.112 USIM toolkit interpreter; Stage 1**

Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* T3 / - *rapporteur:* MEYER, Michael GIESECKE & DEVRIENT GmbH  
*G:* U: yes *MCC:* DIETZE, Claus

TP-10 11/01/2001 1 . 0 . 0

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

TP-11 09/04/2001 4 . 0 . 0 withdrawn TP-13

[get it](#) *remarks - this release:* TP-13: Rel-4 withdrawn, since stage 2 not ready.

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**TS 22.227 Service requirements for the Open Service Access (OSA)**

Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* S1 / - *rapporteur:* HELLSTROM, Gunnar The Swedish Handicap Institute  
*G:* U: yes *MCC:* CLAYTON, Michael

*remarks - general:* Clayton Apr-2001: spec not required (see 22.127)  
*remarks - this release:* .

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**TR 22.976 Study on PS domain services and capabilities**

Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*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

[get it](#) *remarks - general:* Created Jan-00

draft 09/05/2000 1 . 4 . 0

[get it](#) *remarks - this release:* 2001-12-04: Rel4->Rel-5 (Clayton).

SP-08 28/06/2000 2 . 0 . 0

[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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G = required in systems with GERAN access; 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)

## TS 23.073 Support of Localised Service Area (SoLSA); Stage 2

Rel-4 *current version: none* WG (prime / other): N4 / - *rapporteur:* KYMALAINEN, Kimmo SONERA Corporation  
*freeze\_meeting:* SP-11 G: yes U: yes *MCC:* KYMALAINEN, Kimmo

*history (event, available, version, 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* WG (prime / other): S2 / - *rapporteur:* KÅLL, Jan NOKIA Corporation  
*freeze\_meeting:* SP-11 G: U: yes *MCC:* SULTAN, Alain

*history (event, available, version, 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.

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

Rel-4 *current version: none* WG (prime / other): S2 / - *rapporteur:* OYAMA, Johnson Nippon Ericsson K.K.  
*freeze\_meeting:* SP-12 G: yes U: yes *MCC:* SULTAN, Alain

*history (event, available, version, SP-10 31/01/2001 1 . 0 . 0* SP-000594 [get it](#) *remarks - general:*  
*draft 01/02/2001 1 . 1 . 0* [get it](#) *remarks - this release:* SP-12: becomes Rel-5  
*draft 26/06/2001 1 . 7 . 3* suspicious version number! [get it](#)  
*SP-12 26/06/2001 2 . 0 . 0* S2-011123, SP-010337 [get it](#)

## TR 23.814 Separating RR and MM specific parts of the MS Classmark

Rel-4 *current version: none* WG (prime / other): N1 / - *rapporteur:* YOKOTA, Fumihiko Fujitsu Limited  
*freeze\_meeting:* SP-11 G: U: yes *MCC:* JORGENSEN, Per Johan

*history (event, available, version, NP-11 4 . 0 . 0* doa. Stick at R99. *remarks - general:* New after TSG#5  
*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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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 23.913</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			<i>G:</i> U: yes	<i>MCC:</i> ,				
	<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			<i>G:</i> yes U: yes	<i>MCC:</i> SULTAN, Alain				
	<i>history (event, available, version,</i>								
	SP-11		4 . 0 . 0	abandoned July 2001		<i>remarks - general:</i>	TSG#5: 1.0.0		
						<i>remarks - this release:</i>	Sultan, Apr-2001: abandoned in early 2000. July-2001: replaced by 23,228.		

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<b>TR 23.923</b>	<b>Combined GSM and Mobile IP mobility handling in UMTS IP CN</b>								
Rel-4	<i>current version:</i> none			<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> HUBBARD, Elisabeth		TELIA AB		
	<i>freeze_meeting:</i> SP-11			<i>G:</i> yes U: yes	<i>MCC:</i> SULTAN, Alain				
	<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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<b>TR 23.972</b>	<b>Circuit switched multimedia telephony</b>								
Rel-4	<i>current version:</i> none			<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> FARHOUMAND,		Ericsson Incorporated		
	<i>freeze_meeting:</i> SP-11				Rouzbeh				
	<i>history (event, available, version,</i>			<i>G:</i> U: yes	<i>MCC:</i> JORGENSEN, Per Johan				
	NP-11		4 . 0 . 0	doa. Stick at R99.		<i>remarks - general:</i>	New after TSG#5. Minor title change TSG#7.		
						<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.		

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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)

Rel-4 **24** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/24\\_series](http://www.3gpp.org/ftp/Specs/archive/24_series)

## 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.

## 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.

## TS 24.10U UMTS Interworking and internetworking signalling aspects; Requirements for provision of UMTS services via satellite access

Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* / *rapporteur:* ,  
*G:* *U:* *MCC:*

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

## TR 24.946 reserved

Rel-4 *current version:* none  
*freeze\_meeting:* SP-11  
*history (event, available, version,*

*WG (prime / other):* / *rapporteur:* VACANT,  
*G:* *U:* yes *MCC:*

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

Rel-4 **25** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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\\_s\\_eries](http://www.3gpp.org/ftp/Specs/archive/25_s_eries)

<b>TS 25.107</b> Rel-4 <i>current version: none</i> <i>freeze_meeting: SP-11</i>  <i>history (event, available, version,</i> Start of work 01/08/2000 0 . 0 . 1	<i>WG (prime / other):</i> - / - <i>rapporteur:</i> NILSSON, Martin <i>G:</i> U: yes <i>MCC:</i> ,  <a href="#">get it</a> <i>remarks - general:</i> -> 25.143 <i>remarks - this release:</i> Scrapped in favour of 25.143	Indicate persons who left Company and wait for new One
<b>TS 25.371</b> Rel-4 <i>current version: none</i> <i>freeze_meeting: SP-07</i> <i>history (event, available, version,</i>	<i>WG (prime / other):</i> - / - <i>rapporteur:</i> MOULY, Michel <i>G:</i> U: yes <i>MCC:</i> ,  <i>remarks - general:</i> Created Jan 00; wdrwn Apr00 <i>remarks - this release:</i> First draft: Jan2000	ARGUIN Communications
<b>TR 25.835</b> Rel-4 <i>current version: none</i> <i>freeze_meeting:</i> <i>history (event, available, version,</i> RP-09 16/10/2000 1 . 0 . 0	<i>WG (prime / other):</i> R2 / - <i>rapporteur:</i> SITTE, Armin <i>G:</i> U: yes <i>MCC:</i> ARZELIER, Claude  <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.	SIEMENS AG
<b>TR 25.845</b> Rel-4 <i>current version: none</i> <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.	<i>WG (prime / other):</i> R4 / - <i>rapporteur:</i> VIHRIÄLÄ, Jaakko <i>G:</i> U: yes <i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar  <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.	NOKIA Corporation
<b>TR 25.846</b> Rel-4 <i>current version: none</i> <i>freeze_meeting: SP-11</i> <i>history (event, available, version,</i>	<i>WG (prime / other):</i> R4 / - <i>rapporteur:</i> <i>G:</i> U: yes <i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar  <i>remarks - general:</i> 2001-02-13: scrapped <i>remarks - this release:</i> .	

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)

<b>TR 25.924</b>	<b>Opportunity Driven Multiple Access (ODMA)</b>								
Rel-4	<i>current version:</i> none		<i>WG (prime / other):</i> R2 / -	<i>rapporteur:</i> LAW, Alan		VODAFONE LTD			
	<i>freeze_meeting:</i> SP-11		<i>G:</i> U: yes	<i>MCC:</i> ARZELIER, Claude					
	<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	0 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> 2002-01-23: .WG Secretary reports that this is really R99. Watch this space.				
	RP-05 13/10/1999	0 . 2 . 0		<a href="#">get it</a>	2002-02-25 (Van der Veen): No further interest, so spec withdrawn.				
	RP-06 17/12/1999	1 . 0 . 0		<a href="#">get it</a>					
<b>TR 25.932</b>	<b>Delay budget within the access stratum</b>								
Rel-4	<i>current version:</i> none		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> TAYLOR, Carolyn		MOTOROLA Ltd			
	<i>freeze_meeting:</i> SP-11		<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern					
	<i>history (event, available, version,</i>								
	RP-08 23/06/2000	1 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> ->25.853 @ TSG#10.				
	RP-09 05/10/2000	1 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> TSG#10:2.0.0; approved renumbered as 25.853.				
	RP-10 22/01/2001	2 . 0 . 0		<a href="#">get it</a>					
<b>TR 25.933</b>	<b>IP transport in UTRAN</b>								
Rel-4	<i>current version:</i> none		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> DREVON, Nicolas		ALCATEL S.A.			
	<i>freeze_meeting:</i> RP-15		<i>G:</i> U: yes	<i>MCC:</i> KRAUSE, Joern					
	<i>history (event, available, version,</i>								
	draft 15/05/2000	0 . 0 . 1		<a href="#">get it</a>	<i>remarks - general:</i>				
	R3-13 15/06/2000	0 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> 2001-12-05: Rel-4 abandoned in favour of Rel-5 (Drevon).				
	R3-13 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>					

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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)

<b>TR 25.938</b>	<b>Terminal power saving features</b>								
Rel-4	<i>current version:</i> none		<i>WG (prime / other):</i> R3 / -	<i>rapporteur:</i> CHOI, Sungho		Samsung Electronics Ind. Co., Ltd.			
	<i>freeze_meeting:</i> SP-11		G: 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> R3-27: abandoned.				
	draft 05/10/2000	0 . 1 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> RP-15: Withdrawal confirmed.				
	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>					
<b>TR 25.951</b>	<b>Base Station classification (FDD)</b>								
Rel-4	<i>current version:</i> none		<i>WG (prime / other):</i> R4 / -	<i>rapporteur:</i> SÄYNAJÄKANGAS,		NOKIA Corporation			
	<i>freeze_meeting:</i> SP-11		G: U: yes	<i>MCC:</i> TUOMO					
	<i>history (event, available, version,</i>								
	draft 21/11/2000	0 . 0 . 1		<a href="#">get it</a>	<i>remarks - general:</i>				
	RP-10 21/12/2000	1 . 0 . 0	RP-000598	<a href="#">get it</a>	<i>remarks - this release:</i> 2002-01-24: Gutierrez: moved to Rel-5				
	RP-13 01/10/2001	1 . 1 . 0	RP-010681	<a href="#">get it</a>					
<b>TR 25.952</b>	<b>Base Station classification (TDD)</b>								
Rel-4	<i>current version:</i> none		<i>WG (prime / other):</i> R4 / -	<i>rapporteur:</i> AXNESS, Timothy		INTERDIGITAL COMMUNICATIONS			
	<i>freeze_meeting:</i>		G: U: yes	<i>MCC:</i> GUTIERREZ MIGUELEZ, Cesar					
	<i>history (event, available, version,</i>								
	draft 21/11/2000	0 . 0 . 1		<a href="#">get it</a>	<i>remarks - general:</i>				
	RP-10 21/12/2000	1 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> -> Rel-5				
	RP-11 10/04/2001	1 . 1 . 0		<a href="#">get it</a>					

Rel-4 **26** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/26\\_series](http://www.3gpp.org/ftp/Specs/archive/26_series)

<b>TR 26.078</b>	<b>Results of the AMR noise suppression selection phase</b>								
Rel-4	<i>current version:</i> none		<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> USAI, Paolino		Telecom Italia Lab 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	4 . 0 . 0			<i>remarks - general:</i> Replaced by 26.978.				
					<i>remarks - this release:</i> Replaced by 26.978.				

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<b>TS 26.226</b>	<b>Global text telephony (GTT); Transport of text in the voice channel</b>					
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> HELLSTROM, Gunnar		The Swedish Handicap Institute	
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	SP-08 23/06/2000	0 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>	SP-16: in "GERAN" set.	
	SP-09 18/10/2000	0 . 0 . 9	<a href="#">get it</a>	<i>remarks - this release:</i>	TSG#11:withdrawn->rel-5	
	draft 24/10/2000	0 . 0 . 10	<a href="#">get it</a>			
	SP-10 21/12/2000	4 . 0 . 0	<a href="#">get it</a>			
<hr/>						
<b>TS 26.230</b>	<b>Global text telephony (GTT); Cellular text telephone modem transmitter C-code description</b>					
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> HELLSTROM, Gunnar		The Swedish Handicap Institute	
	<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-16: in "GERAN" set.	
				<i>remarks - this release:</i>	TSG#10:2.0.0=SP-000570(Rel-5)->Rel-4; TSG#11:withdrawn, to be Rel-5 only.	
<hr/>						
<b>TS 26.235</b>	<b>Packet switched conversational multimedia applications; Default codecs</b>					
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> OJALA, Pasi		Nokia Research Center	
	<i>freeze_meeting:</i> SP-11	G: yes U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	draft 01/10/2000	0 . 0 . 1	<a href="#">get it</a>	<i>remarks - general:</i>		
	draft 16/11/2000	0 . 0 . 2	<a href="#">get it</a>	<i>remarks - this release:</i>	SP-12: withdrawn from Rel-4, moved to Rel-5.	
	SP-10 21/12/2000	1 . 0 . 0 NP-000567	<a href="#">get it</a>			
	SP-11 10/04/2001	4 . 0 . 0	<a href="#">get it</a>			
	SP-12	4 . 1 . 0			immediately withdrawn, becomes Rel-5	
<hr/>						
<b>TR 26.913</b>	<b>Quantitative performance evaluation of real-time packet switched multimedia services over 3G</b>					
Rel-4	<i>current version:</i> none	<i>WG (prime / other):</i> S4 / -	<i>rapporteur:</i> HONKO, Harri		NOKIA Corporation	
	<i>freeze_meeting:</i> SP-11	G: U: yes	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
				<i>remarks - general:</i>		
				<i>remarks - this release:</i>	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*  
*freeze\_meeting: SP-11*  
*history (event, available, version,*  
SP-03 26/04/1999 0 . 1 . 1

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

[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*  
*freeze\_meeting: SP-11*  
*history (event, available, version,*

*WG (prime / other):* N3 / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*G:* *U:* yes *MCC:* BOSWARTHICK, David

*remarks - general:*  
*remarks - this release:* 2001-11-07: Boswarthick: Not required for Rel-4.

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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 30.801 Overall Project Plan**

Rel-4 *current version: none*  
*freeze\_meeting: SP-11*  
*history (event, available, version,*  
draft 30/07/1999 0 . 1 . 0  
draft 30/08/1999 0 . 2 . 0  
draft 30/09/1999 0 . 3 . 0  
SP-05 13/10/1999 1 . 0 . 0  
draft 02/12/1999 1 . 1 . 0

*WG (prime / other):* S2 / - *rapporteur:* SULTAN, Alain SOURCE COM  
*G:* *U:* yes *MCC:* SULTAN, Alain

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* TSG#11: Work stopped.  
[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 WITHDRAWN specs Rel-4 30 .- series  
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<b>TR 30.802</b>	<b>Project plan on Bearer Services and QoS</b>								
Rel-4	<i>current version:</i> none			<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> LOPEZ-TORRES, Oscar	T-MOBILE DEUTSCHLAND			
	<i>freeze_meeting:</i> SP-11			<i>G:</i> U: yes	<i>MCC:</i>	SULTAN, Alain			
	<i>history (event, available, version,</i>								
	SP-05 13/10/1999	1	.	0	.	0			
	SP-09	4	.	0	.	0			
				<a href="#">get it</a>	<i>remarks - general:</i>				
					<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.				
<hr/>									
<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			<i>G:</i> U: yes	<i>MCC:</i>	SULTAN, Alain			
	<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.				
<hr/>									
<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> KÁLL, Jan	NOKIA Corporation			
	<i>freeze_meeting:</i> SP-11			<i>G:</i> U: yes	<i>MCC:</i>	SULTAN, Alain			
	<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.				
<hr/>									
<b>TR 30.808</b>	<b>Project plan on Packet Architecture and Circuit Architecture</b>								
Rel-4	<i>current version:</i> none			<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> DROPMANN, Ulrich	SIEMENS AG			
	<i>freeze_meeting:</i> SP-11			<i>G:</i> U: yes	<i>MCC:</i>	SULTAN, Alain			
	<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.				
<hr/>									
<b>TR 30.810</b>	<b>Project plan on Security</b>								
Rel-4	<i>current version:</i> none			<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> PUDNEY, Chris	VODAFONE Group Plc			
	<i>freeze_meeting:</i> SP-11			<i>G:</i> U: yes	<i>MCC:</i>	SULTAN, Alain			
	<i>history (event, available, version,</i>								
	SP-05 24/10/1999	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 30.812 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 CELLPOINT SYSTEMS AB  
*G:* *U:* yes *MCC:* SULTAN, Alain

[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 T-MOBILE DEUTSCHLAND  
*G:* *U:* yes *MCC:* DIETZE, Claus

[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:* NENNER, Karl-Heinz T-MOBILE DEUTSCHLAND  
*G:* *U:* yes *MCC:* ZOICAS, Adrian

[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; Information Service version 1

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; CORBA solution set version 1:1

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 32.106-4 Telecommunication management; Configuration Management (CM); Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1

Rel-4 *current version:* none *WG (prime / other):* S5 / - *rapporteur:* ZHOU, Di 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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G = required in systems with GERAN acces; U = required in systems with UMTS

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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: NRM) version 1</b>	none	WG (prime / other):	S5	/-	rappporteur:	TOVINGER, Thomas	Telefon AB LM Ericsson
	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.	
<b>TS 32.106-6</b>	<b>Telecommunication management; Configuration Management (CM); Part 6: Basic Configuration Management Integration Reference Point (IRP) CORBA solution set version 1:1</b>	none	WG (prime / other):	S5	/-	rappporteur:	ZHOU, Di	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.	
<b>TS 32.106-7</b>	<b>Telecommunication management; Configuration Management (CM); Part 7: Basic Configuration Management Integration Reference Point (IRP) CMIP solution set version 1:1</b>	none	WG (prime / other):	S5	/-	rappporteur:	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.	
<b>TS 32.106-8</b>	<b>Telecommunication management; Configuration Management (CM); Part 8: Name convention for Managed Objects</b>	none	WG (prime / other):	S5	/-	rappporteur:	TOVINGER, Thomas	Telefon AB LM Ericsson
	freeze_meeting: SP-11	G:	U: yes	MCC:			ZOICAS, Adrian	
	history (event, available, version,							
	SP-11 28/03/2001 4 . 0 . 0							
				remarks - general:			TSG#8: split into eight parts	
				remarks - this release:			SP-12: withdrawn. See 32.600.	
<b>TS 32.111</b>	<b>3G Fault Management</b>	none	WG (prime / other):	S5	/-	rappporteur:	CICCHITTO, Gaetano	SIEMENS Mobile Communications S.p.A.
	freeze_meeting: SP-11	G:	U: yes	MCC:			ZOICAS, Adrian	
	history (event, available, version,							
	SP-11 28/03/2001 4 . 0 . 0							
				remarks - general:			TSG#8: split into 4 parts	
				remarks - this release:			.	

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<b>TS 32.112-1</b>	<b>Telecommunication management; Generic Integration Reference Point (IRP) management; Part 1: Requirements</b>								
Rel-4	<i>current version:</i> none			<i>WG (prime / other):</i> S5 /	<i>rapporteur:</i>				
	<i>freeze_meeting:</i>			G: U: yes	MCC:	ZOICAS, Adrian			
	<i>history (event, available, version,</i>								
	SP-12	2	. 0	. 0	SP-010285			<i>remarks - general:</i>	SP-12: stopped. See 32.311.
								<i>remarks - this release:</i>	.
<hr/>									
<b>TS 32.112-2</b>	<b>Telecommunication management; Generic Integration Reference Point (IRP) management; Part 2: Information service</b>								
Rel-4	<i>current version:</i> none			<i>WG (prime / other):</i> S2 /	<i>rapporteur:</i>				
	<i>freeze_meeting:</i>			G: U: yes	MCC:	SULTAN, Alain			
	<i>history (event, available, version,</i>								
	SP-12	2	. 0	. 0	SP-010285			<i>remarks - general:</i>	SP-12: stopped. See 32.312.
								<i>remarks - this release:</i>	.
<hr/>									
<b>TS 32.140</b>	<b>Telecommunication management; Services operations management; Subscription management requirements</b>								
Rel-4	<i>current version:</i> none			<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i>	CARYER, Geoffrey	TELECOMMUNICATIONS MANAGEMENT		
	<i>freeze_meeting:</i> NP-13			G: U: yes	MCC:	ZOICAS, Adrian	CONSULTANTS Ltd.		
	<i>history (event, available, version,</i>								
	draft 01/08/2000	0	. 1	. 0					
	SP-18	1	. 1	. 1	SP-020728			<a href="#">get it</a>	<i>remarks - general:</i>
									<i>remarks - this release:</i> TSG#8:0.1.0 but associated WI not approved. NP-12: moved to rel-5.
<hr/>									
<b>TS 32.301-1</b>	<b>Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): requirements</b>								
Rel-4	<i>current version:</i> none			<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i>	PIRT, Trevor	MOTOROLA Ltd		
	<i>freeze_meeting:</i> SP-11			G: 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 32.301.
									<i>remarks - this release:</i> .
<hr/>									
<b>TS 32.301-2</b>	<b>Telecommunication management; Configuration Management (CM); Part 2: Notification Integration Reference Point; Information Service version 1</b>								
Rel-4	<i>current version:</i> none			<i>WG (prime / other):</i> S5 / -	<i>rapporteur:</i>	TSE, Edwin	Ericsson Incorporated		
	<i>freeze_meeting:</i> SP-11			G: 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- 2SP-12: stopped. See 32.302.
									<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 32.301-3</b>	<b>Telecommunication management; Configuration Management (CM); Part 3: Notification Integration Reference Point; CORBA solution set version 1:1</b>
Rel-4	<i>current version:</i> none
	<i>freeze_meeting:</i> SP-11
<i>history (event, available, version,</i>	<i>WG (prime / other):</i> S5 / - <i>rapporteur:</i> SCHEER, Randal Lucent Technologies
SP-12 18/06/2001 2 . 0 . 0	<i>G:</i> U: yes <i>MCC:</i> ZOICAS, Adrian
	<a href="#">get it</a> <i>remarks - general:</i> Replaces 32.106-3 SP-12: stopped. See 32.303.
	<i>remarks - this release:</i> .
<hr/>	
<b>TS 32.301-4</b>	<b>Telecommunication management; Configuration Management (CM); Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1</b>
Rel-4	<i>current version:</i> none
	<i>freeze_meeting:</i>
<i>history (event, available, version,</i>	<i>WG (prime / other):</i> S5 / - <i>rapporteur:</i> POLLAKOWSKI, Olaf SIEMENS AG
SP-12 18/06/2001 2 . 0 . 0	<i>G:</i> U: yes <i>MCC:</i> ZOICAS, Adrian
	<a href="#">get it</a> <i>remarks - general:</i> Replaces 32.106-4 SP-12: stopped. See 32..304.
	<i>remarks - this release:</i> .
<hr/>	
<b>TS 32.312-1</b>	<b>Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements</b>
Rel-4	<i>current version:</i> none
	<i>freeze_meeting:</i> SP-11
<i>history (event, available, version,</i>	<i>WG (prime / other):</i> S5 / <i>rapporteur:</i> ,
	<i>G:</i> yes U: yes <i>MCC:</i> ZOICAS, Adrian
	<i>remarks - general:</i> -> 32.111
	<i>remarks - this release:</i> .
<hr/>	
<b>TS 32.402</b>	<b>Telecommunication management; Performance Management (PM); Performance measurements - GSM</b>
Rel-4	<i>current version:</i> none
	<i>freeze_meeting:</i>
<i>history (event, available, version,</i>	<i>WG (prime / other):</i> S5 / - <i>rapporteur:</i> NENNER, Karl-Heinz T-MOBILE DEUTSCHLAND
SP-12 21/06/2001 1 . 0 . 0	<i>G:</i> yes U: <i>MCC:</i> ZOICAS, Adrian
SP-13 11/10/2001 2 . 0 . 0 SP-010467 approved as 52.042	<a href="#">get it</a> <i>remarks - general:</i> was 32.104 (pars). SP-13: replaced by 52.402.
	<a href="#">get it</a> <i>remarks - this release:</i>
<hr/>	
<b>TS 32.601-1</b>	<b>Telecommunication management; Configuration Management (CM); Part 1: Basic CM Integration Reference Point (IRP): requirements</b>
Rel-4	<i>current version:</i> none
	<i>freeze_meeting:</i>
<i>history (event, available, version,</i>	<i>WG (prime / other):</i> S5 / - <i>rapporteur:</i> WILBER, John
SP-12 18/06/2001 2 . 0 . 0	<i>G:</i> yes U: yes <i>MCC:</i> ZOICAS, Adrian
	<a href="#">get it</a> <i>remarks - general:</i> Replaces 32.106 (pars). SP-12: stopped. See 32.601.
	<i>remarks - this release:</i> .

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<b>TS 32.601-2</b>	<b>Telecommunication management; Configuration Management (CM); Part 2: Basic Configuration Management Integration Reference Point (IRP) information model</b>
Rel-4	<i>current version:</i> none
	<i>freeze_meeting:</i>
<i>history (event, available, version,</i>	<i>WG (prime / other):</i> S5 / - <i>rapporteur:</i> TOVINGER, Thomas Telefon AB LM Ericsson
SP-12 18/06/2001 2 . 0 . 0	<i>G:</i> yes <i>U:</i> yes <i>MCC:</i> ZOICAS, Adrian
	<a href="#">get it</a> <i>remarks - general:</i> Replaces 32.106-5 (pars) SP-12: stopped. See 32.602.
	<i>remarks - this release:</i> .
<hr/>	
<b>TS 32.601-3</b>	<b>Telecommunication management; Configuration Management (CM); Part 3: Basic Configuration Management Integration Reference Point (IRP): CORBA solution set</b>
Rel-4	<i>current version:</i> none
	<i>freeze_meeting:</i>
<i>history (event, available, version,</i>	<i>WG (prime / other):</i> S5 / - <i>rapporteur:</i> POLLAKOWSKI, Olaf SIEMENS AG
SP-12 18/06/2001 2 . 0 . 0	<i>G:</i> yes <i>U:</i> yes <i>MCC:</i> ZOICAS, Adrian
	<a href="#">get it</a> <i>remarks - general:</i> Replaces 32.106-6 (pars) SP-12: stopped. See 32.603.
	<i>remarks - this release:</i> .
<hr/>	
<b>TS 32.601-4</b>	<b>Telecommunication management; Configuration Management (CM); Part 4: Basic Configuration Management Integration Reference Point (IRP) CMIP solution set</b>
Rel-4	<i>current version:</i> none
	<i>freeze_meeting:</i>
<i>history (event, available, version,</i>	<i>WG (prime / other):</i> S5 / - <i>rapporteur:</i> TOVINGER, Thomas Telefon AB LM Ericsson
SP-12 18/06/2001 2 . 0 . 0	<i>G:</i> U: yes <i>MCC:</i> ZOICAS, Adrian
	<a href="#">get it</a> <i>remarks - general:</i> Replaces 32.107 (pars) SP-12: stopped. See 32.604.
	<i>remarks - this release:</i> .
<hr/>	
<b>TS 32.602-1</b>	<b>Telecommunication management; Configuration Management (CM); Configuration Management: Bulk CM Integration Reference Point (IRP) requirements</b>
Rel-4	<i>current version:</i> none
	<i>freeze_meeting:</i>
<i>history (event, available, version,</i>	<i>WG (prime / other):</i> S5 / <i>rapporteur:</i> ,
SP-12 18/06/2001 2 . 0 . 0	<i>G:</i> U: yes <i>MCC:</i> ZOICAS, Adrian
	<a href="#">get it</a> <i>remarks - general:</i> SP-12: stopped. See 32.611.
	<i>remarks - this release:</i> .
<hr/>	
<b>TS 32.602-2</b>	<b>Telecommunication management; Configuration Management (CM); Configuration Management: Bulk Configuration Management Integration Reference Point (IRP): Information</b>
Rel-4	<i>current version:</i> <b>service</b> none
	<i>freeze_meeting:</i>
<i>history (event, available, version,</i>	<i>WG (prime / other):</i> S5 / <i>rapporteur:</i> ,
SP-12 18/06/2001 2 . 0 . 0	<i>G:</i> U: yes <i>MCC:</i> ZOICAS, Adrian
	<a href="#">get it</a> <i>remarks - general:</i> SP-12: stopped. See 32.612.
	<i>remarks - this release:</i> .

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<b>TS 32.602-3</b>	<b>Telecommunication management; Configuration Management (CM); Configuration Management: Bulk Configuration Management Integration Reference Point (IRP): CORBA</b>	Rel-4	current version: <b>solution set</b>	none	WG (prime / other):	S5	/ rapporteur:	BONNEAU, Frédéric
			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 32.613. remarks - this release: .
<b>TS 32.602-4</b>	<b>Telecommunication management; Configuration Management (CM); Configuration Management: Bulk Configuration Management Integration Reference Point (IRP): CMIP</b>	Rel-4	current version: <b>solution set</b>	none	WG (prime / other):	S5	/ rapporteur:	POLLAKOWSKI, Olaf
			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 32.614. remarks - this release: .
<b>TS 32.602-5</b>	<b>Telecommunication management; Configuration Management (CM); Configuration Management: Bulk Configuration Management Integration Reference Point (IRP): XML file</b>	Rel-4	current version: <b>format definition</b>	none	WG (prime / other):	S5 /	rapporteur:	,
			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 32.615. remarks - this release: .
<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	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 32.621. remarks - this release: .
<b>TS 32.620-2</b>	<b>Telecommunication management; Configuration Management (CM); Part 2: Generic network resources Integration Reference Point (IRP): NRM</b>	Rel-4	current version: 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 32.106-5 (pars)SP-12: stopped. See 32.622. remarks - this release: .

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

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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): CORBA solution set</b>
Rel-4	<i>current version:</i> none
	<i>freeze_meeting:</i>
<i>history (event, available, version,</i>	<i>WG (prime / other):</i> S5 / - <i>rapporteur:</i> POLLAKOWSKI, Olaf SIEMENS AG
SP-12 18/06/2001 2 . 0 . 0	<i>G:</i> yes <i>U:</i> yes <i>MCC:</i> ZOICAS, Adrian
	<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> .

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<b>TS 32.620-4</b>	<b>Telecommunication management; Configuration Management (CM); Part 4: Generic network resources: Integration Reference Point (IRP) CMIP solution set</b>
Rel-4	<i>current version:</i> none
	<i>freeze_meeting:</i>
<i>history (event, available, version,</i>	<i>WG (prime / other):</i> S5 / - <i>rapporteur:</i> TOVINGER, Thomas Telefon AB LM Ericsson
SP-12 18/06/2001 2 . 0 . 0	<i>G:</i> yes <i>U:</i> yes <i>MCC:</i> ZOICAS, Adrian
	<a href="#">get it</a> <i>remarks - general:</i> Replaces 32.107 (pars) SP-12: stopped. See 32.624.
	<i>remarks - this release:</i> .

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<b>TS 32.621-1</b>	<b>Telecommunication management; Configuration Management (CM); Part 1: Core network resources Integration Reference Point (IRP): requirements</b>
Rel-4	<i>current version:</i> none
	<i>freeze_meeting:</i>
<i>history (event, available, version,</i>	<i>WG (prime / other):</i> S5 / - <i>rapporteur:</i> PIRT, Trevor MOTOROLA Ltd
SP-12 18/06/2001 2 . 0 . 0	<i>G:</i> <i>U:</i> yes <i>MCC:</i> ZOICAS, Adrian
	<a href="#">get it</a> <i>remarks - general:</i> Replaces 32.106 (pars).SP-12: stopped. See 32.631.
	<i>remarks - this release:</i> .

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<b>TS 32.621-2</b>	<b>Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): NRM</b>
Rel-4	<i>current version:</i> none
	<i>freeze_meeting:</i>
<i>history (event, available, version,</i>	<i>WG (prime / other):</i> S5 / - <i>rapporteur:</i> TOVINGER, Thomas Telefon AB LM Ericsson
SP-12 18/06/2001 2 . 0 . 0	<i>G:</i> yes <i>U:</i> yes <i>MCC:</i> ZOICAS, Adrian
	<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> .

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<b>TS 32.621-3</b>	<b>Telecommunication management; Configuration Management (CM); Part 3: Core network resources Integration Reference Point (IRP): CORBA solution set</b>
Rel-4	<i>current version:</i> none
	<i>freeze_meeting:</i>
<i>history (event, available, version,</i>	<i>WG (prime / other):</i> S5 / - <i>rapporteur:</i> POLLAKOWSKI, Olaf SIEMENS AG
SP-12 18/06/2001 2 . 0 . 0	<i>G:</i> yes <i>U:</i> yes <i>MCC:</i> ZOICAS, Adrian
	<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 access; U = required in systems with UMTS



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**TS 32.621-4 Telecommunication management; Configuration Management (CM); Part 4: Core network resources Integration Reference Point (IRP): CMIP solution set**  
Rel-4 *current version:* 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 [get it](#) *remarks - general:* Replaces 32.107 (pars) SP-12: stopped. See 32.634.  
*remarks - this release:* .

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**TS 32.622-1 Telecommunication management; Configuration Management (CM); Part 1: UTRAN network resources Integration Reference Point (IRP): requirements**  
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 [get it](#) *remarks - general:* Replaces 32.106 (pars).SP-12: stopped. See 32.641.  
*remarks - this release:* .

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**TS 32.622-2 Telecommunication management; Configuration Management (CM); Part 2: UTRAN network resources Integration Reference Point (IRP): NRM**  
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 [get it](#) *remarks - general:* Replaces 32.106-5 (pars) SP-12: stopped. See 32.642.  
*remarks - this release:* .

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**TS 32.622-3 Telecommunication management; Configuration Management (CM); Part 3: UTRAN network resources Integration Reference Point (IRP): CORBA solution set**  
Rel-4 *current version:* 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 [get it](#) *remarks - general:* Replaces 32.106-6 (pars) SP-12: stopped. See 32.643.  
*remarks - this release:* .

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**TS 32.622-4 Telecommunication management; Configuration Management (CM); Part 4: UTRAN network resources Integration Reference Point (IRP): CMIP solution set**  
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 [get it](#) *remarks - general:* Replaces 32.107 (pars) SP-12: stopped. See 32.644.  
*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 32.623-1</b>	<b>Telecommunication management; Configuration Management (CM); Part 1: GERAN network resources Integration Reference Point (IRP): requirements</b>
Rel-4	<i>current version:</i> none
	<i>freeze_meeting:</i>
<i>history (event, available, version,</i>	<i>WG (prime / other):</i> S5 / - <i>rapporteur:</i> PIRT, Trevor MOTOROLA Ltd
SP-12 18/06/2001 2 . 0 . 0	<i>G:</i> yes <i>U:</i> yes <i>MCC:</i> ZOICAS, Adrian
	<a href="#">get it</a> <i>remarks - general:</i> Replaces 32.106 (pars).SP-12: stopped. See 32.651.
	<i>remarks - this release:</i> .

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<b>TS 32.623-2</b>	<b>Telecommunication management; Configuration Management (CM); Part 2: GERAN network resources Integration Reference Point (IRP): NRM</b>
Rel-4	<i>current version:</i> none
	<i>freeze_meeting:</i>
<i>history (event, available, version,</i>	<i>WG (prime / other):</i> S5 / - <i>rapporteur:</i> TOVINGER, Thomas Telefon AB LM Ericsson
SP-12 18/06/2001 2 . 0 . 0	<i>G:</i> yes <i>U:</i> <i>MCC:</i> ZOICAS, Adrian
	<a href="#">get it</a> <i>remarks - general:</i> Replaces 32.106-5 (pars) SP-12: stopped. See 32.652.
	<i>remarks - this release:</i> .

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<b>TS 32.623-3</b>	<b>Telecommunication management; Configuration Management (CM); Part 3: GERAN network resources Integration Reference Point (IRP): CORBA solution set</b>
Rel-4	<i>current version:</i> none
	<i>freeze_meeting:</i>
<i>history (event, available, version,</i>	<i>WG (prime / other):</i> S5 / - <i>rapporteur:</i> POLLAKOWSKI, Olaf SIEMENS AG
SP-12 18/06/2001 2 . 0 . 0	<i>G:</i> yes <i>U:</i> <i>MCC:</i> ZOICAS, Adrian
	<a href="#">get it</a> <i>remarks - general:</i> Replaces 32.106-6 (pars) SP-12: stopped. See 32.653.
	<i>remarks - this release:</i> .

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<b>TS 32.623-4</b>	<b>Telecommunication management; Configuration Management (CM); Part 4: GERAN network resources Integration Reference Point (IRP): CMIP solution set</b>
Rel-4	<i>current version:</i> none
	<i>freeze_meeting:</i>
<i>history (event, available, version,</i>	<i>WG (prime / other):</i> S5 / - <i>rapporteur:</i> TOVINGER, Thomas Telefon AB LM Ericsson
SP-12 18/06/2001 2 . 0 . 0	<i>G:</i> yes <i>U:</i> <i>MCC:</i> ZOICAS, Adrian
	<a href="#">get it</a> <i>remarks - general:</i> Replaces 32.107 (pars) SP-12: stopped. See 32.654.
	<i>remarks - this release:</i> .

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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 Hutchison 3G UK Limited  
*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

G = required in systems with GERAN access; 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)

Rel-4 42 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/42\\_series](http://www.3gpp.org/ftp/Specs/archive/42_series)

<b>TS 42.031</b>	<b>Fraud Information Gathering System (FIGS); Service description; Stage 1</b>								
Rel-4	<i>current version:</i> none <i>freeze_meeting:</i> SP-11	<i>WG (prime / other):</i> S3 /	<i>rapporteur:</i> WRIGHT, Tim	Indicate persons who left Company and wait for new One					
	<i>history (event, available, version,</i> SP-11 10/04/2001 4 . 0 . 0	G: yes U:	<i>MCC:</i> POPE, Maurice						
	SP-18: withdrawn.	<a href="#">get it</a>	<i>remarks - general:</i> SP-18: decided FIGS is joint GERAN/UTRAN so -> 22.031. <i>remarks - this release:</i> SP-18: decided FIGS is joint GERAN/UTRAN so -> 22.031.						
<b>TS 42.032</b>	<b>Immediate Service Termination (IST); Service description; Stage 1</b>								
Rel-4	<i>current version:</i> none <i>freeze_meeting:</i> SP-11	<i>WG (prime / other):</i> S3 /	<i>rapporteur:</i> WRIGHT, Tim	Indicate persons who left Company and wait for new One					
	<i>history (event, available, version,</i> SP-11 10/04/2001 4 . 0 . 0	G: yes U:	<i>MCC:</i> POPE, Maurice						
		<a href="#">get it</a>	<i>remarks - general:</i> SP-16: withdrawn in favour of 22.032. <i>remarks - this release:</i> SP-16: withdrawn in favour of 22.032.						
<b>TS 42.048</b>	<b>Security mechanisms for the SIM Application Toolkit; Stage 1</b>								
Rel-4	<i>current version:</i> none <i>freeze_meeting:</i> SP-11	<i>WG (prime / other):</i> T3 / S3	<i>rapporteur:</i> BARNES, Nigel	MOTOROLA Ltd					
	<i>history (event, available, version,</i> TP-11 09/04/2001 4 . 0 . 0	G: yes U:	<i>MCC:</i> DIETZE, Claus						
	withdrawn at TP-12	<a href="#">get it</a>	<i>remarks - general:</i> TP-12: Becomes 22.048. <i>remarks - this release:</i> TP-12: Becomes 22.048.						
<b>TS 42.053</b>	<b>Tandem Free Operation (TFO); Service description; Stage 1</b>								
Rel-4	<i>current version:</i> none <i>freeze_meeting:</i> SP-11	<i>WG (prime / other):</i> S4 /	<i>rapporteur:</i> NAVARRO, William	NORTEL NETWORKS (EUROPE)					
	<i>history (event, available, version,</i>	G: yes U:	<i>MCC:</i> USAI, Paolino						
			<i>remarks - general:</i> Scrapped - see 22.053, Rel-4 onwards. <i>remarks - this release:</i>						

Rel-4 43 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/43\\_series](http://www.3gpp.org/ftp/Specs/archive/43_series)

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

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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)

<b>TS 43.031</b>	<b>Fraud Information Gathering System (FIGS); Service description; Stage 2</b>								
Rel-4	<i>current version:</i> none <i>freeze_meeting:</i> SP-11	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WRIGHT, Tim						Indicate persons who left Company and wait for new One
	<i>history (event, available, version,</i> SP-11 10/04/2001 4 . 0 . 0	<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice						
	SP-18: withdrawn.	<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> SP-18: decided FIGS is joint GERAN/UTRAN so -> 23.031. Rel-5 -> 23.031.						
<b>TS 43.035</b>	<b>Immediate Service Termination (IST); Stage 2</b>								
Rel-4	<i>current version:</i> none <i>freeze_meeting:</i> SP-11	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WRIGHT, Tim						Indicate persons who left Company and wait for new One
	<i>history (event, available, version,</i> SP-11 10/04/2001 4 . 0 . 0 SP-15 26/03/2002 4 . 1 . 0	<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice						
		<a href="#">get it</a>	<i>remarks - general:</i> SP-16: withdrawn in favour of 23.035.						
		<a href="#">get it</a>	<i>remarks - this release:</i> SP-16: w ithdrawn in favour of 23.035.						
<b>TS 43.046</b>	<b>Technical Realization of Facsimile Group 3 Service - non transparent</b>								
Rel-4	<i>current version:</i> none <i>freeze_meeting:</i> SP-11	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> BOSWARTHICK, David	ETSI Secretariat					
	<i>history (event, available, version,</i> post-TSG-14 23/01/2002 4 . 0 . 0	<i>G: yes U:</i>	<i>MCC:</i> BOSWARTHICK, David						
	2002-01-23: Boswarthick: created in error; non-transparent fax ceases with R99.	<a href="#">get it</a>	<i>remarks - general:</i> 2002-01-23: Boswarthick: created in error; non-transparent fax ceases with R99.						
			<i>remarks - this release:</i> .2002-01-23: Boswarthick: created in error; non-transparent fax ceases with R99.						
<b>TS 43.048</b>	<b>Security Mechanisms for SIM Toolkit Application; Stage 2</b>								
Rel-4	<i>current version:</i> none <i>freeze_meeting:</i> SP-11	<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> BARNES, Nigel	MOTOROLA Ltd					
	<i>history (event, available, version,</i> TP-11 09/04/2001 4 . 0 . 0	<i>G: yes U:</i>	<i>MCC:</i> DIETZE, Claus						
	withdrawn at TP-12	<a href="#">get it</a>	<i>remarks - general:</i> TP-12: replaced by 23.048.						
			<i>remarks - this release:</i> TP-12: replaced by 23.048.						
<b>TS 43.051</b>	<b>GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2</b>								
Rel-4	<i>current version:</i> none <i>freeze_meeting:</i> SP-11	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> SÉBIRE, Guillaume	NOKIA Corporation					
	<i>history (event, available, version,</i> GP-02 05/01/2001 4 . 0 . 0	<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino						
	GP-08: withdrawn	<a href="#">get it</a>	<i>remarks - general:</i> Originally created as 03.51r00						
			<i>remarks - this release:</i> Created after TSG#8. GP-08: withdrawn						

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

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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 43.063 Packet Data on Signalling channels service (PDS) Service description, Stage 2**  
Rel-4 *current version: none* WG (prime / other): N1 / - *rapporteur:* JACOBSON, Dieter T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* SP-11 G: yes U: MCC: JORGENSEN, Per Johan  
*history (event, available, version,*  
NP-11 11/04/2001 4 . 0 . 0 [get it](#) *remarks - general:* 2002-02-26: Hietalahti: stage 1 work not continued beyond R99, so proposes to  
*remarks - this release:* 2002-02: Jorgensen: Not to be propagated to Rel-5. 2002-02-26: Hietalahti: stage 1  
withdraw.  
work not continued beyond R99, so proposes to withdraw.

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**TS 43.071 Location Services (LCS); Functional description; Stage 2 (GSM)**  
Rel-4 *current version: none* WG (prime / other): S2 / - *rapporteur:* BROOK, Richard SAMSUNG Electronics Research Institute  
*freeze\_meeting:* SP-11 G: yes U: MCC: SULTAN, Alain  
*history (event, available, version,*  
SP-11 4 . 0 . 0 *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* WG (prime / other): N1 / G2 *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* SP-11 G: yes U: MCC: JORGENSEN, Per Johan  
*history (event, available, version,*  
NP-11 11/04/2001 4 . 0 . 0 withdrawn NP-15 [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* WG (prime / other): N1 / - *rapporteur:* JACOBSON, Dieter T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* SP-11 G: yes U: MCC: JORGENSEN, Per Johan  
*history (event, available, version,*  
NP-11 11/04/2001 4 . 0 . 0 [get it](#) *remarks - general:* 2002-02-26: Hietalahti: stage 1 work not continued beyond R99, so proposes to  
*remarks - this release:* 2002-02: Jorgensen: Not to be propagated to Rel-5. 2002-02-26: Hietalahti: stage 1  
withdraw.  
work not continued beyond R99, so proposes to withdraw.

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

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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)

Rel-4 **48** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/48\\_series](http://www.3gpp.org/ftp/Specs/archive/48_series)

**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 Lab 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*

Rel-4 **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-4 *current version: none* *WG (prime / other): N1 / -* *rapporteur: ANDERSEN, Niels* MOTOROLA A/S  
*freeze\_meeting:* *G: yes U:* *MCC: Peter Skov*  
*history (event, available, version,* *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-4 **50** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/50\\_series](http://www.3gpp.org/ftp/Specs/archive/50_series)

**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.*

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

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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)

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<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			<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> GALLIGO, Michel	ALCATEL S.A.			
	<i>freeze_meeting:</i> SP-11			G: yes U:	MCC: SULTAN, Alain				
	<i>history (event, available, version,</i>								
	SP-11	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.			
<hr/>									
<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			<i>WG (prime / other):</i> GP / -	<i>rapporteur:</i> ISAACS, Ken	SIEMENS AG			
	<i>freeze_meeting:</i> SP-11			G: yes U:	MCC: USAI, Paolino				
	<i>history (event, available, version,</i>								
					<i>remarks - general:</i>				
					<i>remarks - this release:</i>	Usai Apr-2001: will never be produced.			
<hr/>									
<b>TR 50.099</b>	<b>GERAN project plan and open issues</b>								
Rel-4	<i>current version:</i> none			<i>WG (prime / other):</i> GP / -	<i>rapporteur:</i> MUELLER, Frank	Telefon AB LM Ericsson			
	<i>freeze_meeting:</i> SP-11			G: yes U:	MCC: 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.			
	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	2002-01-23: Usai indicates "stopped".	<a href="#">get it</a>					
	draft	0 . 0 . 7							
	draft	0 . 0 . 8							
	GP-05	0 . 0 . 9							
	GP-06	0 . 0 . 10							
	GP-07	0 . 0 . 11							
	GP-07	0 . 0 . 12							
	GP-07	0 . 0 . 13							
	draft 12/04/2002	0 . 0 . 15		<a href="#">get it</a>					
	GP-09 22/04/2002	0 . 0 . 16	GP-021208	<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	GP-023436	<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 WITHDRAWN specs Rel-4 51 .- series  
[http://www.3gpp.org/ftp/Specs/archive/51\\_series](http://www.3gpp.org/ftp/Specs/archive/51_series)

Rel-4 **51** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/51\\_series](http://www.3gpp.org/ftp/Specs/archive/51_series)

## TS 51.010-4 Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit conformance specification

Rel-4 *current version:* none *freeze\_meeting:* SP-14  
*WG (prime / other):* G5 / G4, *rapporteur:* HU, Shicheng ETSI Secretariat  
T3

*G:* yes *U:* *MCC:* SALMERON, Lidia

*history (event, available, version,*  
TP-14 02/01/2002 0 . 0 . 1 TP-010250

[get it](#) *remarks - general:* 2001-11-19: G4->G5. TP-14: may be txferred to T3. TP-17: Withdrawn, because  
*remarks - this release:* TP-17: Withdrawn, because doc was in fact R99, not Rel-4. doc was in fact R99, not

Rel-4.

## TS 51.014 Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit

Rel-4 *current version:* none *freeze\_meeting:* SP-11  
*WG (prime / other):* T3 / - *rapporteur:* WOODSEND, Kristian Indicate persons who left Company and wait for new  
One

*G:* yes *U:* *MCC:* DIETZE, Claus

*history (event, available, version,*  
TP-18 4 . 0 . 0

*remarks - general:*  
*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).

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 management

Rel-4 *current version:* none *freeze\_meeting:* SP-11  
*WG (prime / other):* S5 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*G:* yes *U:* *MCC:* ZOICAS, Adrian

*history (event, available, version,*  
SP-11 28/03/2001 4 . 0 . 0 withdrawn SP-13

SP-13 03/10/2001 4 . 1 . 0 This is the version declaring itself to be [get it](#) *remarks - general:*  
withdrawn. A sort of non-version. [get it](#) *remarks - this release:* SP-13: withdrawn - see SP-010472.  
Anti-bootstrapping (autointerment?)

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

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Server WITHDRAWN specs Rel-4 52 .- series  
[http://www.3gpp.org/ftp/Specs/archive/52\\_series](http://www.3gpp.org/ftp/Specs/archive/52_series)

## R00

R00 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 02.68 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

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**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

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R00 03 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

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**TS 03.20 Security-related Network Functions**  
R00 *current version:* none *WG (prime / other):* S3 / NP / *rapporteur:* NGUYEN NGOC, France Telecom  
*freeze\_meeting:* SP-11 *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:*

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)

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<b>TS 03.51</b>	<b>GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2</b>				
R00	<i>current version: none</i>	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> SÉBIRE, Guillaume	NOKIA Corporation	
	<i>freeze_meeting:</i>	G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
					<i>remarks - general: -&gt; 43.051</i>
					<i>remarks - this release: .</i>
<hr/>					
<b>TS 03.59</b>	<b>Location services (LCS) GERAN; Stage 2</b>				
R00	<i>current version: none</i>	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> LIVINGSTON, Margaret	NOKIA Corporation	
	<i>freeze_meeting:</i>	G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	draft 30/05/2000 0 . 0 . 1				<a href="#">get it</a> <i>remarks - general:</i>
					<i>remarks - this release: replaced by 43.059</i>
<hr/>					
<b>TS 03.68</b>	<b>Voice Group Call Service (VGCS); Stage 2</b>				
R00	<i>current version: none</i>	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)	
	<i>freeze_meeting:</i>	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version,</i>				
	smg-32 20/06/2000 9 . 0 . 0				<a href="#">get it</a> <i>remarks - general:</i>
					<i>remarks - this release: #32:9.0.0 TSG#8:9.0.0-&gt;43.068v4.0.0</i>
<hr/>					
<b>TS 03.69</b>	<b>Voice Broadcast service (VBS); Stage 2</b>				
R00	<i>current version: none</i>	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> MÜNNING, Dirk	DETECON GMBH	
	<i>freeze_meeting:</i>	G: yes U:	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version,</i>				
	smg-30 20/06/2000 9 . 0 . 0				<a href="#">get it</a> <i>remarks - general:</i>
					<i>remarks - this release: #32:9.0.0 TSG#8:9.0.0-&gt;43.069v4.0.0</i>

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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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Server WITHDRAWN specs R00 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 04.18</b>	<b>Mobile radio interface layer 3 specification; Radio Resource Control Protocol</b>				
R00	<i>current version: none</i>	<i>WG (prime / other):</i> G2 / -	<i>rapporteur:</i> HOWELL, Andrew	MOTOROLA Ltd	
	<i>freeze_meeting:</i>	<i>G: yes U:</i>	<i>MCC:</i> THOMASEN, Gert		
	<i>history (event, available, version,</i>				
	smg-32 20/06/2000 9 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i> Aug00: replaced by 44.018		
<hr/>					
<b>TS 04.68</b>	<b>Group Call Control (GCC) Protocol</b>				
R00	<i>current version: none</i>	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)	
	<i>freeze_meeting:</i>	<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version,</i>				
	smg-32 20/06/2000 9 . 0 . 0 >44.069v4.0.0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i>		
<hr/>					
<b>TS 04.69</b>	<b>Broadcast Call Control (BCC) protocol</b>				
R00	<i>current version: none</i>	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)	
	<i>freeze_meeting:</i>	<i>G: yes U:</i>	<i>MCC:</i> JORGENSEN, Per Johan		
	<i>history (event, available, version,</i>				
	smg-32 20/06/2000 9 . 0 . 0 ->44.069v4.0.0	<a href="#">get it</a>	<i>remarks - general:</i>		
			<i>remarks - this release:</i>		

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R00 08 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/08\\_series](http://www.3gpp.org/ftp/Specs/archive/08_series)

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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-30 bis	06/12/1999	8	.	2	.	0
smg-31	16/02/2000	8	.	3	.	0
smg-31 bis	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:

*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)

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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; Part1: Conformance specification**  
R00 *current version: none* *freeze\_meeting:* WG (prime / other): G5 / S1 / rapporteur: SALMERON, Lidia TELEPLUS LIMITED  
NP /  
T2 /  
SCP  
/ G4  
G: yes U: MCC: SALMERON, Lidia  
*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.

---

**TS 11.10-3 Mobile Station (MS) Conformance Specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)**  
R00 *current version: none* *freeze\_meeting:* WG (prime / other): G5 / S1 / rapporteur: SALMERON, Lidia TELEPLUS LIMITED  
NP /  
T2 /  
SCP  
/ G4  
G: yes U: MCC: SALMERON, Lidia  
*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/lub aspects)**  
R00 *current version: none* *freeze\_meeting:* WG (prime / other): R3 / - rapporteur: PARK, Jin Hyo SK TELECOM  
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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## 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

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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[http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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<b>TS 02.02</b>	<b>Bearer Services (BS) Supported by a GSM Public Land Mobile Network (PLMN)</b>									
R99	<i>current version: none</i>			<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CARPENTER, Paul	Research In Motion Limited				
	<i>freeze_meeting: SP-06</i>			<i>G: yes U:</i>	<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>
<hr/>										
<b>TS 02.03</b>	<b>Teleservices Supported by a GSM Public Land Mobile Network (PLMN)</b>									
R99	<i>current version: none</i>			<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CONRAD, Alan	T-MOBILE DEUTSCHLAND				
	<i>freeze_meeting: SP-06</i>			<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael					
	<i>history (event, available, version,</i>									
	smg-30 11/11/1999	8	.	0	.	0	withdrawn	<a href="#">get it</a>	<i>remarks - general:</i>	<i>remarks - this release: #30: 8.0.0 TSG#6-&gt;3g</i>
<hr/>										
<b>TS 02.04</b>	<b>General on Supplementary Services</b>									
R99	<i>current version: none</i>			<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CARPENTER, Paul	Research In Motion Limited				
	<i>freeze_meeting: SP-06</i>			<i>G: yes U:</i>	<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 26/06/1999	8	.	1	.	0	withdrawn (becomes 22.004)	<a href="#">get it</a>	<i>remarks - this release:</i>	
<hr/>										
<b>TS 02.07</b>	<b>Mobile Station (MS) Features</b>									
R99	<i>current version: none</i>			<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> JEAL, David	VODAFONE Group Plc				
	<i>freeze_meeting: SP-06</i>			<i>G: yes U:</i>	<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>	
	smg-30	8	.	1	.	0	withdrawn. The text for 02.07 was moved to 22.001 and to 22.101; see CR 22.101-028 which resulted in version 3.8.0 and CR 22.100-001 which resulted in version 3.1.0.	<a href="#">get it</a>	<i>remarks - this release: TSG#6: withdrawn</i>	

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<b>TS 02.31</b>	<b>Fraud Information Gathering System (FIGS); 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>G:</i> yes <i>U:</i>	<i>MCC:</i> POPE, Maurice						
	<i>history (event, available, version,</i> Upgrade to R99 30/06/2000 8 . 0 . 0 ETSI publication 05/06/2001 8 . 0 . 1		<a href="#">get it</a>	<i>remarks - general:</i>					
	SP-18: Withdrawn in favour of 22.031.		<a href="#">get it</a>	<i>remarks - this release:</i> SP-18: decided FIGS is joint GERAN/UTRAN so -> 22.031.					
<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>G:</i> yes <i>U:</i>	<i>MCC:</i> POPE, Maurice						
	<i>history (event, available, version,</i> Upgrade to R99 14/02/2000 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> SP-16: withdrawn in favour of 22.032 R99.					
<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>G:</i> yes <i>U:</i>	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version,</i> smg-28 12/02/1999 8 . 0 . 0 smg-29 25/06/1999 8 . 1 . 0		<a href="#">get it</a>	<i>remarks - general:</i>					
	withdrawn -> 22.034		<a href="#">get it</a>	<i>remarks - this release:</i>					
<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>G:</i> yes <i>U:</i>	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version,</i>			<i>remarks - general:</i> Moved from T3 Jan-00.					
				<i>remarks - this release:</i> Place holder - no spec.					
<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>G:</i> yes <i>U:</i>	<i>MCC:</i> CLAYTON, Michael						
	<i>history (event, available, version,</i> smg-30 11/11/1999 8 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i>					
	withdrawn. The text for 02.40 was moved to 22.001. refer to CR 22.001-001 which resulted in version 3.1.0 of 22.001.			<i>remarks - this release:</i> R99 -> 22.101					

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<b>TS 02.42</b>	<b>Network Identity and Timezone (NITZ); Service Description, Stage 1</b>					
R99	<i>current version:</i> none	<i>WG (prime / other):</i> S1 /	<i>rapporteur:</i> GILES, Les	Union Internationale des Chemins de Fer		
	<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	withdrawn -> 22.042	<a href="#">get it</a>	<i>remarks - general:</i>		
				<i>remarks - this release:</i>		
<hr/>						
<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)		

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**TS 02.90 Unstructured Supplementary Service Data (USSD); Stage 1**

R99 *current version: none*  
*freeze\_meeting: SP-06*  
*history (event, available, version,*  
smg-28 12/02/1999 8 . 0 . 0

*WG (prime / other):* S1 / - *rapporteur:* SLOTTE, Sverre NOKIA Corporation  
*G: yes U:* *MCC:* CLAYTON, Michael

[get it](#) *remarks - general:*  
*remarks - this release:* #28: 8.0.0 (to be deleted, moved to 3GPP)

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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:* SULTAN, Alain

[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

*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

in 43.031. SP-18: in fact, in 23.031.

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**TS 03.35 Immediate Service Termination (IST); Stage 2**

R99 *current version: none*  
*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 acces; U = required in systems with UMTS

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Server WITHDRAWN specs R99 03 .- series  
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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			<i>G: yes U:</i>	<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,	Vodafone D2 GmbH			
	<i>freeze_meeting:</i> SP-06			<i>G: yes U:</i>	<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,	Vodafone D2 GmbH			
	<i>freeze_meeting:</i> SP-06			<i>G: yes U:</i>	<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,	Vodafone D2 GmbH			
	<i>freeze_meeting:</i> SP-06			<i>G: yes U:</i>	<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			<i>G: yes U:</i>	<i>MCC:</i> SULTAN, Alain				
	<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 access; U = required in systems with UMTS

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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.

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**TS 03.82 Call Forwarding (CF) Supplementary Services; Stage 2**  
R99 *current version:* none *WG (prime / other):* N4 / - *rapporteur:* KYMALAINEN, Kimmo SONERA Corporation  
*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)

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**TS 04.22 Radio Link Protocol (RLP) for data and telematic services on the Mobile Station - Base Station System (MS - BSS) interface and the Base Station System - Mobile-services**  
R99 *current version:* **Switching Centre (BSS - MSC) interface** none *WG (prime / other):* N3 / - *rapporteur:* KLEHN, Norbert  
SIEMENS AG *G:* yes *U:* *MCC:* BOSWARTHICK, David  
*freeze\_meeting:* SP-06  
*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 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.

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

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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 SIEMENS AG  
*G: yes U:* *MCC:* ,

*remarks - general:* TF139 proposes to abandon; not needed. USSD does all.  
*remarks - this release:* scrapped whilst still on starting block

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R99 **05** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/05\\_series](http://www.3gpp.org/ftp/Specs/archive/05_series)

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**TS 05.14 Release independent frequency bands; Implementation guidelines**

R99 *current version:* none  
*freeze\_meeting:* SP-06  
*history (event, available, version,*

*WG (prime / other):* G1 / G2 *rapporteur:* KANGAS, Antti NOKIA Corporation  
*G: yes U:* *MCC:* USAI, Paolino

*remarks - general:* Originally allocated as 09.20. Changed by request of GERAN chair 2000-11-09.  
*remarks - this release:* Originally allocated as 09.20. Changed by request of GERAN chair 2000-11-09.  
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:* WIJK, Rune Werner 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)

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<b>TS 07.02</b>	<b>Terminal Adaptation Functions (TAF) for Services Using Asynchronous Bearer Capabilities</b>								
R99	<i>current version:</i> none	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> WIJK, Rune Werner	Telefon AB LM Ericsson					
	<i>freeze_meeting:</i> SP-06	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> BOSWARTHICK, David						
	<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)

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<b>TS 07.03</b>	<b>Terminal Adaptation Functions (TAF) for Services Using Synchronous Bearer Capabilities</b>								
R99	<i>current version:</i> none	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> WIJK, Rune Werner	Telefon AB LM Ericsson					
	<i>freeze_meeting:</i> SP-06	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> BOSWARTHICK, David						
	<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)

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<b>TS 07.08</b>	<b>GSM Application Programming Interface</b>								
R99	<i>current version:</i> none	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> RODERMUND,	Vodafone D2 GmbH					
	<i>freeze_meeting:</i> SP-06	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> RODERMUND, Friedhelm						
	<i>history (event, available, version,</i> Creation of R99 30/06/2000 8 . 0 . 0							<a href="#">get it</a>	<i>remarks - general:</i> <i>remarks - this release:</i> 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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<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>								
R99	<i>current version:</i> none	<i>WG (prime / other):</i> N3 / -	<i>rapporteur:</i> KLEHN, Norbert						
SIEMENS AG		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> BOSWARTHICK, David						
	<i>freeze_meeting:</i> SP-06								
	<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)

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<b>TS 09.14</b>	<b>Application of ISUP Version 3 for the ISDN-PLMN (GSM) Signalling</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> SPA / N4	<i>rapporteur:</i> SPORTON, Simon	VODAFONE Group Plc	
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>	<i>MCC:</i>		
	<i>history (event, available, version,</i> WITHDRAWN 29/05/2000 8 . 0 . 0		<a href="#">get it</a>	<i>remarks - general:</i> EN 302 646	<i>remarks - this release:</i> May00: Possibly no need for an update.
<hr/>					
<b>TS 09.18</b>	<b>General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> MILLS, Duncan	VODAFONE Group Plc	
	<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 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>TR 09.94</b>	<b>Recommended infrastructure measures to overcome specific Mobile Station (MS) faults</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S	
	<i>freeze_meeting:</i>	<i>G: yes U:</i>	Peter Skov		
	<i>history (event, available, version,</i>		<i>MCC:</i> JORGENSEN, Per Johan		
			<i>remarks - general:</i>	<i>remarks - this release:</i> 2002-05-02 (Hietalahti): Anticipate resurrection as null document pointing to latest Release version. 2002-05-07 (Hietalahti): scrap R99 in favour of 29.994.	

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R99 10 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/10\\_series](http://www.3gpp.org/ftp/Specs/archive/10_series)

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<b>TR 10.43</b>	<b>Support of Localised Service Area (SoLSA); Work Item Status</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> KOKKOLA, Tommi	NOKIA Corporation	
	<i>freeze_meeting:</i> SP-06	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i> draft 17/04/1998 1 . 2 . 0 empty!		<a href="#">get it</a>	<i>remarks - general:</i>	
	smg-28 30/06/1999 1 . 11 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #25: 1.11.0 #30b: 1.11.0 2001-April: Clayton: stopped.	

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<b>TR 10.57</b>	<b>Project scheduling and open issues: Mobile Station Execution Environment (MExE)</b>									
R99	current version: none freeze_meeting: SP-06	WG (prime / other): T2 / -	rapporteur: RODERMUND,	Vodafone D2 GmbH						
	history (event, available, version, WITHDRAWN 14/03/2000 8 . 0 . 0	G: yes U:	MCC: RODERMUND, Friedhelm							
									<a href="#">get it</a>	remarks - general: TSG#9:withdrawn cos contains misleading information/references remarks - this release: No R99 impact.
<b>TR 10.76</b>	<b>Noise suppression for the AMR codec; Project scheduling and open issues</b>									
R99	current version: none freeze_meeting: SP-06	WG (prime / other): S4 /	rapporteur: ,							
	history (event, available, version, draft 15/08/1999 0 . 0 . 8 draft 15/10/1999 1 . 0 . 0	G: yes U:	MCC: USAI, Paolino							
	2002-01-23: Usai indicates "stopped".								<a href="#">get it</a>	remarks - general: 2002-01-23: Usai indicates "stopped". remarks - this release: 2002-01-23: Usai indicates "stopped".
<b>TS 10.89</b>	<b>GSM to other Systems Handover and Cell Selection/Reselection; Project scheduling and open issues;</b>									
R99	current version: none freeze_meeting: SP-06	WG (prime / other): GP / -	rapporteur: ISAACS, Ken	SIEMENS AG						
	history (event, available, version, 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	G: yes U:	MCC: USAI, Paolino							
	2002-01-23: Usai indicates "stopped".								<a href="#">get it</a>	remarks - general: 2002-01-23: Usai indicates "stopped". remarks - this release: 2002-01-23: Usai indicates "stopped".

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11 .- series

Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

<b>TS 11.10-2</b>	<b>Mobile station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification</b>									
R99	current version: none freeze_meeting: SP-06	WG (prime / other): G5 / S1 /	rapporteur: SALMERON, Lidia	TELEPLUS LIMITED						
	history (event, available, version, Upgrade to R99 30/06/2000 8 . 0 . 0	G: yes U:	MCC: SALMERON, Lidia							
									<a href="#">get it</a>	remarks - general: 2001-11-19: G4->G5. remarks - this release: proposed, but nya; flagged as withdrawn at SMG#32 to make life easier

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**TS 11.10-3 Mobile Station (MS) Conformance Specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)**  
R99 *current version: none* WG (prime / other): G5 / S1 / rapporteur: SALMERON, Lidia TELEPLUS LIMITED  
*freeze\_meeting: SP-06* NP /  
T2 /  
SCP  
/ G4  
G: yes U: MCC: SALMERON, Lidia  
*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* WG (prime / other): T3 / - rapporteur: LINDHOLM, Rune NOKIA MOBILE PHONES  
*freeze\_meeting: SP-06* 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* WG (prime / other): SP / - rapporteur: VACANT,  
*freeze\_meeting: SP-06* G: U: yes MCC: POPE, Maurice  
*history (event, available, version,*  
*remarks - general:*  
*remarks - this release:* 3.0.0 dates from June 99

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**TS 21.100 3G specification handling procedures**  
R99 *current version: none* WG (prime / other): - / - rapporteur: MEREDITH, John M ETSI Secretariat  
*freeze\_meeting: SP-06* G: U: yes MCC: ,  
*history (event, available, version,*  
SP-08 28/06/2000 1 . 0 . 0 [get it](#) *remarks - general:* Knobbled prior to SA#8.  
*remarks - this release:*

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**TS 21.906 reserved**  
R99 *current version:* none *WG (prime / other):* / *rapporteur:* CLAYTON, Michael EMCOM Ltd  
*freeze\_meeting:* SP-06 *G:* yes *U:* yes *MCC:*  
*history (event, available, version,*  
First complete 04/03/1999 0 . 0 . 0 [get it](#) *remarks - general:*  
draft *remarks - this release:* .  
SP-03 3 . 0 . 0

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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 *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 [get it](#) *remarks - general:* Transfer>TSG#4  
SP-08 28/06/2000 3 . 1 . 0 [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 *WG (prime / other):* S4 / - *rapporteur:* NAVARRO, William NORTEL NETWORKS (EUROPE)  
*freeze\_meeting:* SP-11 *G:* yes *U:* yes *MCC:* USAI, Paolino  
*history (event, available, version,*  
SP-06 3 . 0 . 0 *remarks - general:* Transfer>TSG#4.  
*remarks - this release:* 2001-01-22: Scrapped. 02.53 is retained.

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

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<b>TR 22.907</b>	<b>Terminal concepts</b>								
R99	<i>current version:</i> none								
	<i>freeze_meeting:</i> SP-03								
	<i>history (event, available, version,</i>								
Table of Contents	19/10/1997	0	.	0	.	2		<a href="#">get it</a>	<i>remarks - general:</i> CR at TSG#4 Not maintained
and Scope									<i>remarks - this release:</i> Withdraw n (Clayton 2000-02-11)
First complete	19/12/1997	1	.	0	.	0		<a href="#">get it</a>	
draft									
WG approval	15/02/1998	2	.	0	.	0		<a href="#">get it</a>	
TB approval	20/03/1998	3	.	0	.	0		<a href="#">get it</a>	
SP-03	22/04/1999	3	.	1	.	2		<a href="#">get it</a>	
SP-04	23/06/1999	3	.	1	.	3		<a href="#">get it</a>	

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<b>TR 22.924</b>	<b>Charging and accounting mechanisms</b>								
R99	<i>current version:</i> none								
	<i>freeze_meeting:</i> SP-03								
	<i>history (event, available, version,</i>								
Table of Contents	19/10/1997	0	.	0	.	1		<a href="#">get it</a>	<i>remarks - general:</i>
and Scope									<i>remarks - this release:</i> .
First complete	19/12/1997	1	.	2	.	1		<a href="#">get it</a>	
draft									
WG approval	15/02/1997	2	.	0	.	0		<a href="#">get it</a>	
Under TB change	20/03/1998	3	.	0	.	0		<a href="#">get it</a>	
control									
TB approval	15/02/1999	3	.	1	.	0		<a href="#">get it</a>	
SP-03	23/04/1999	3	.	1	.	1		<a href="#">get it</a>	

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<b>TR 22.925</b>	<b>Quality of Service (QoS) and network performance</b>								
R99	<i>current version:</i> none								
	<i>freeze_meeting:</i> SP-03								
	<i>history (event, available, version,</i>								
First complete	13/06/1997	1	.	1	.	0		<a href="#">get it</a>	<i>remarks - general:</i>
draft									<i>remarks - this release:</i> .
WG approval	19/12/1997	2	.	0	.	0		<a href="#">get it</a>	
TB approval	20/03/1998	3	.	0	.	0		<a href="#">get it</a>	
SP-03	23/04/1999	3	.	1	.	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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<b>TR 22.960</b>	<b>Mobile multimedia services</b>	R99	current version: none freeze_meeting: SP-03					WG (prime / other): - / - G: U: yes MCC: ,	rapporteur: AHNBERG, Tomas MCC: ,	Indicate persons who left Company and wait for new One
	history (event, available, version, and Scope)							<a href="#">get it</a>	remarks - general: remarks - this release: .	
	Table of Contents	17/10/1997	0 . 0 . 4							
	First complete draft	19/12/1997	1 . 0 . 0					<a href="#">get it</a>		
	WG approval	15/02/1997	2 . 0 . 0					<a href="#">get it</a>		
	SP-03	23/04/1999	3 . 0 . 1	withdrawn				<a href="#">get it</a>		
<b>TR 22.970</b>	<b>Virtual Home Environment Report</b>	R99	current version: none freeze_meeting: SP-03					WG (prime / other): - / - G: U: yes MCC: ,	rapporteur: OGUNBEKUN, Jumoke MCC: ,	FUJITSU Laboratories of Europe Limited
	history (event, available, version, and Scope)							<a href="#">get it</a>	remarks - general: remarks - this release: .	
	Table of Contents	19/10/1997	0 . 0 . 7							
	First complete draft	19/12/1997	1 . 0 . 0					<a href="#">get it</a>		
	WG approval	15/02/1998	2 . 0 . 0					<a href="#">get it</a>		
	TB approval	20/03/1998	3 . 0 . 0					<a href="#">get it</a>		
	SP-03	23/04/1999	3 . 0 . 1					<a href="#">get it</a>		
<b>TR 22.972</b>	<b>Circuit-switched multimedia</b>	R99	current version: none freeze_meeting: SP-06					WG (prime / other): - / - G: U: yes MCC: ,	rapporteur: CLAYTON, Michael MCC: ,	EMCOM Ltd
	history (event, available, version, and Scope)							<a href="#">get it</a>	remarks - general: Title grows "cct sw". remarks - this release: Withdrawn (Clayton 2000-02-11)	
	First complete draft	23/04/1999	0 . 0 . 0							

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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<b>TS 23.010</b>	<b>GSM Public Land Mobile Network (PLMN) Connection Types</b>								
R99	<i>current version:</i> none	<i>freeze_meeting:</i> SP-08	<i>history (event, available, version,</i>	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> DETTNER, Harald	SIEMENS AG			
			SP-03 30/05/1999 3 . 0 . 0	G: U: yes	MCC: ,				
				<a href="#">get it</a>	<i>remarks - general:</i> superseded by 23.910				
					<i>remarks - this release:</i> TSG#7:3.0.0 - later scrapped				
<hr/>									
<b>TS 23.022</b>	<b>Functions related to Mobile Station (MS) in idle mode and group receive mode</b>								
R99	<i>current version:</i> none	<i>freeze_meeting:</i> SP-06	<i>history (event, available, version,</i>	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> ANDERSEN, Niels	MOTOROLA A/S			
			SP-03 23/04/1999 3 . 0 . 0	G: yes U: yes	MCC: ,				
			SP-04 23/06/1999 3 . 1 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Superseded by 23.122				
				<a href="#">get it</a>	<i>remarks - this release:</i> 3.1.0 dates from June 99				
<hr/>									
<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>	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> DETTNER, Harald	SIEMENS AG			
			SP-03 30/05/1999 3 . 0 . 0	G: U: yes	MCC: ,				
				<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i> 3.0.0 Apr 99 - later scrapped				
<hr/>									
<b>TS 23.044</b>	<b>Support of Teletex</b>								
R99	<i>current version:</i> none	<i>freeze_meeting:</i> SP-08	<i>history (event, available, version,</i>	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> DETTNER, Harald	SIEMENS AG			
			SP-03 30/05/1999 3 . 0 . 0	G: U: yes	MCC: ,				
				<a href="#">get it</a>	<i>remarks - general:</i>				
					<i>remarks - this release:</i> 3.0.0 Apr 99 - later scrapped				
<hr/>									
<b>TS 23.045</b>	<b>Technical Realization of Facsimile Group 3 Service - transparent</b>								
R99	<i>current version:</i> none	<i>freeze_meeting:</i> SP-08	<i>history (event, available, version,</i>	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> DI TRIA, Paolo	Telecom Italia Lab S.p.A.			
			SP-03 23/04/1999 3 . 0 . 0	G: U: yes	MCC: ,				
				<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				

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<b>TS 23.046</b>	<b>Technical realisation of facsimile Group 3 service- non-transparent</b>								
R99	<i>current version:</i> none	<i>WG (prime / other):</i>	- / -	<i>rapporteur:</i>	BOSWARTHICK, David	ETSI Secretariat			
	<i>freeze_meeting:</i> SP-06	<i>G:</i>	U: yes	<i>MCC:</i>	,				
	<i>history (event, available, version,</i>			<a href="#">get it</a>	<i>remarks - general:</i>	superseded by 23.146			
	SP-03 23/04/1999 3 . 0 . 0				<i>remarks - this release:</i>	3.0.0 Apr 99			
<hr/>									
<b>TS 23.054</b>	<b>Shared Interworking Functions (SIWF); Stage 2</b>								
R99	<i>current version:</i> none	<i>WG (prime / other):</i>	N3 / -	<i>rapporteur:</i>	ROSTÖ, Tommy	Indicate persons who left Company and wait for new One			
	<i>freeze_meeting:</i> SP-03	<i>G:</i>	yes U: yes	<i>MCC:</i>	BOSWARTHICK, David				
	<i>history (event, available, version,</i>			<a href="#">get it</a>	<i>remarks - general:</i>				
	NP-03 23/04/1999 3 . 0 . 0 NP-13: withdrawn				<i>remarks - this release:</i>	NP-13: withdrawn.			
<hr/>									
<b>TS 23.069</b>	<b>Voice Broadcast service (VBS); Stage 2</b>								
R99	<i>current version:</i> none	<i>WG (prime / other):</i>	N1 / -	<i>rapporteur:</i>	DETTNER, Harald	SIEMENS AG			
	<i>freeze_meeting:</i> SP-06	<i>G:</i>	U: yes	<i>MCC:</i>	JORGENSEN, Per Johan				
	<i>history (event, available, version,</i>			<a href="#">get it</a>	<i>remarks - general:</i>	Reverts to 03.69 R99.			
	NP-03 23/04/1999 3 . 0 . 0				<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 U: yes	<i>MCC:</i>	,				
	<i>history (event, available, version,</i>			<a href="#">get it</a>	<i>remarks - general:</i>	N3 indicates not required for R99, so revert to 03.70 R98.			
	SP-03 23/04/1999 3 . 0 . 0				<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>	,				
	<i>history (event, available, version,</i>			<a href="#">get it</a>	<i>remarks - general:</i>	superseded by 25.305			
	SP-04 30/05/1999 3 . 0 . 0				<i>remarks - this release:</i>	.			

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<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	SONERA Corporation	
	<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.	
<b>TS 23.920</b>	<b>Evolution of the GSM platform towards UMTS</b>						
R99	<i>current version:</i> none			<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> DANIEL, Elizabeth	Lucent Technologies Network Systems UK	
	<i>freeze_meeting:</i> SP-08			<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> ,		
	<i>history (event, available, version,</i>						
	Table of Contents 17/10/1997	0	. 0	. 3	<a href="#">get it</a>	<i>remarks - general:</i>	
	and Scope					<i>remarks - this release:</i> Stopped TSG#6	
	Transfer to SP SA 04/03/1999	0	. 6	. 1	<a href="#">get it</a>		
	SP-03 23/04/1999	1	. 0	. 0	<a href="#">get it</a>		
	WG approval 01/04/1999	1	. 0	. 0	<a href="#">get it</a>		
	First complete 01/04/1999	1	. 0	. 0	<a href="#">get it</a>		
	draft						
	SP-04 23/06/1999	3	. 0	. 0	<a href="#">get it</a>		
	SP-05 13/10/1999	3	. 1	. 0	<a href="#">get it</a>		
<b>TR 23.922</b>	<b>Architecture for an All IP network</b>						
R99	<i>current version:</i> none			<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> DANIEL, Elizabeth	Lucent Technologies Network Systems UK	
	<i>freeze_meeting:</i> SP-06			<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> SULTAN, Alain		
	<i>history (event, available, version,</i>						
	SP-05 13/10/1999	1	. 0	. 0	<a href="#">get it</a>	<i>remarks - general:</i> TSG#5: 1.0.0	
						<i>remarks - this release:</i> Was suspected to be v3.0.0, but evidently not so. Sultan, Apr-2001: abandoned in early 2000; replaced by 23.228 and 23.221.	
<b>TR 23.927</b>	<b>VHE, Open Service Architecture (OSA)</b>						
R99	<i>current version:</i> none			<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd	
	<i>freeze_meeting:</i> SP-06			<i>G:</i> yes <i>U:</i> yes	<i>MCC:</i> ,		
	<i>history (event, available, version,</i>						
	First complete 23/04/1999	0	. 0	. 0	<a href="#">get it</a>	<i>remarks - general:</i> Replaced by 23.127	
	draft					<i>remarks - this release:</i> Withdrawn (Clayton 2000-02-11).	
	SP-03 23/04/1999	0	. 1	. 0	<a href="#">get it</a>		withdrawn

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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:* ,

SIEMENS AG

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

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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 24.012 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.

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**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.

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**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.

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

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<b>TS 24.069</b>	<b>Broadcast Call Control (BCC) protocol</b>				
R99	<i>current version: none</i>		<i>WG (prime / other):</i> N1 / -	<i>rapporteur:</i> GARAPATY, Sonia	Nortel Networks (USA)
	<i>freeze_meeting: SP-06</i>		<i>G: U: yes</i>	<i>MCC:</i> JORGENSEN, Per Johan	
	<i>history (event, available, version,</i>			<i>remarks - general:</i> GSM only for R99.	
	NP-03	3 . 0 . 0		<i>remarks - this release:</i> GSM only for R99.	
	NP-04	3 . 1 . 0			

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<b>TS 24.094</b>	<b>Follow Me; Stage 3</b>				
R99	<i>current version: none</i>		<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> BERGMANN, Ansgar	Deutsche Telekom AG
	<i>freeze_meeting: SP-06</i>		<i>G: U: yes</i>	<i>MCC:</i> ,	
	<i>history (event, available, version,</i>			<i>remarks - general:</i> TF139 proposes to abandon; not needed. USSD does all.	
				<i>remarks - this release:</i> USSD does all. No draft expected.	

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R99 **25** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/25\\_series](http://www.3gpp.org/ftp/Specs/archive/25_series)

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<b>TS 25.053</b>	<b>Tandem Free Operation (TFO); Service description; Stage 2</b>				
R99	<i>current version: none</i>		<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> MEREDITH, John M	ETSI Secretariat
	<i>freeze_meeting: SP-06</i>		<i>G: yes U: yes</i>	<i>MCC:</i> ,	
	<i>history (event, available, version,</i>			<i>remarks - general:</i> No draft. Anyway, should have been 23.053.	
				<i>remarks - this release:</i> no draft ever materialised	

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<b>TS 25.103</b>	<b>RF parameters in support of RRM</b>				
R99	<i>current version: none</i>		<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> FRANCESCHI, Olle	Nippon Ericsson K.K.
	<i>freeze_meeting: SP-06</i>		<i>G: yes U: yes</i>	<i>MCC:</i> ,	
	<i>history (event, available, version,</i>			<i>remarks - general:</i> Withdrawn in favour of 25.123 & 25.133	
	First complete	04/03/1999	0 . 0 . 0	<a href="#">get it</a>	<i>remarks - this release:</i> Withdrawn
	draft				
	NP-03	23/04/1999	0 . 1 . 0	<a href="#">get it</a>	
	NP-04	23/06/1999	1 . 0 . 0	<a href="#">get it</a>	
	NP-05	13/10/1999	2 . 0 . 0	<a href="#">get it</a>	

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<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> ,		
	<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;
	RP-05 13/10/1999	3 . 0 . 0	<a href="#">get it</a>		the update was done at RP-13, so this can now be withdrawn.

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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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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> ,		
	<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>			
<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>		
<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 Lab 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.		
<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> ,		
	<i>history (event, available, version,</i>				
			<i>remarks - general:</i>		
			<i>remarks - this release:</i> .		
<b>TS 26.122</b>	<b>Technical Specification for Tandem Free Operation between 3G and 2G networks</b>				
R99	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> OHANA, Alain	Cingular Wireless LLC	
	<i>freeze_meeting:</i> SP-07	<i>G:</i> <i>U:</i> yes	<i>MCC:</i> ,		
	<i>history (event, available, version,</i>				
			<i>remarks - general:</i>		
			<i>remarks - this release:</i> .		

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<b>TS 26.133</b>	<b>Wide band speech telephony terminal acoustic characteristics</b>				
R99	<i>current version: 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>	G: 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>	G: 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 Lab S.p.A.
	<i>freeze_meeting: SP-06</i>	G: 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 Lab S.p.A.
	<i>freeze_meeting: SP-06</i>	G: 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 26.137</b>	<b>Terminal Display and Camera Characteristics for H.323 Narrow-band Video Telephony</b>				
R99	<i>current version: none</i>	<i>WG (prime / other):</i> S4 /	<i>rapporteur:</i> USAI, Paolino		Telecom Italia Lab S.p.A.
	<i>freeze_meeting: SP-06</i>	G: 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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**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 Lab S.p.A.  
*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: Stopped: Included in 26.131 & '132.*  
*SP-04 23/06/1999 0 . 0 . 1* [get it](#) *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)

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**TS 29.004 Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)**  
R99 *current version: none* *WG (prime / other): - / -* *rapporteur: BOSWARTHICK, David* ETSI Secretariat  
*freeze\_meeting: SP-08* *G: U: yes* *MCC: ,*  
*history (event, available, version,*  
*SP-03 23/04/1999 3 . 0 . 0* [get it](#) *remarks - general: N3 indicates not required for R99, so revert to 09.04 R98.*  
*remarks - this release:*

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**TS 29.005 Interworking between the Public Land Mobile Network (PLMN) and the Packet Switched Public Data Network (PSPDN) for Packet Assembly/Disassembly (PAD) facility access**

R99 *current version:* none *WG (prime / other):* - / - *rapporteur:* BOSWARTHICK, David ETSI Secretariat  
*freeze\_meeting:* SP-08 *G:* *U:* yes *MCC:* ,  
*history (event, available, version,*  
SP-03 23/04/1999 3 . 0 . 0 [get it](#) *remarks - general:* N3 indicates not required for R99, so revert to 09.05 R98.  
*remarks - this release:*

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**TS 29.006 Interworking between a PLMN and the ISDN or PSTN for support of Packet Switched data transmission services**

R99 *current version:* none *WG (prime / other):* - / - *rapporteur:* BRAUN, Achim Indicate persons who left Company and wait for new  
*freeze\_meeting:* SP-03 *G:* yes *U:* yes *MCC:* ,  
*history (event, available, version,*  
SP-03 23/04/1999 3 . 0 . 0 [get it](#) *remarks - general:* N3 indicates not required for R99, so revert to 09.06 R98.  
*remarks - this release:* withdrawn NP-06

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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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**TR 31.900 SIM/USIM internal and external interworking aspects**

R99 *current version:* none *WG (prime / other):* T3 / *rapporteur:* KALINER, Stefan T-MOBILE DEUTSCHLAND  
*freeze\_meeting:* TP-12 *G:* *U:* yes *MCC:* DIETZE, Claus  
*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 *remarks - this release:* TP-16: withdrawn; only Rel-5 remains valid.  
Sanders 2001-05-16)  
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.

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R99 **32** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/32\\_series](http://www.3gpp.org/ftp/Specs/archive/32_series)

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**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:* ,

*remarks - general:* Existence deduced from STF139 programme. But denied by Sjöblom.  
*remarks - this release:* Not to be produced.

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**TS 32.106 Configuration Management**

R99 *current version:* none  
*freeze\_meeting:* SP-07  
*history (event, available, version,*

*WG (prime / other):* S5 / - *rapporteur:* TOVINGER, Thomas Telefon AB LM Ericsson  
*G:* *U:* yes *MCC:* ZOICAS, Adrian

[get it](#) *remarks - general:* TSG#8: split into eight parts  
[get it](#) *remarks - this release:* SP-08: multipart split from parent 3.0.1  
[get it](#)  
[get it](#)

SP-05 13/10/1999 1 . 0 . 0  
SP-06 17/12/1999 1 . 1 . 0  
SP-07 2 . 0 . 0  
SP-07 17/03/2000 3 . 0 . 0  
Editorial 17/03/2000 3 . 0 . 1 withdrawn SP-08

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**TS 32.111 3G Fault Management**

R99 *current version:* none  
*freeze\_meeting:* SP-08  
*history (event, available, version,*

*WG (prime / other):* S5 / - *rapporteur:* CICCHITTO, Gaetano SIEMENS Mobile Communications S.p.A.  
*G:* *U:* yes *MCC:* ZOICAS, Adrian

[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](#)

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  
Formatting 18/07/2000 3 . 2 . 0

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R99

33 .- series

Server location: [http://www.3gpp.org/ftp/Specs/archive/33\\_series](http://www.3gpp.org/ftp/Specs/archive/33_series)

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<b>TR 33.900</b>	<b>Guide to 3G security</b>									
R99	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								
				<a href="#">get it</a>		remarks - general:				
						remarks - this release:	New at TSG#6			
<b>TR 33.909</b>	<b>3G Security; Report on the design and evaluation of the MILENAGE algorithm set; Deliverable 5: An example algorithm for the 3GPP authentication and key generation functions</b>									
R99	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							
	SP-10	3 . 0 . 0	withdrawn, not needed for R99	<a href="#">get it</a>		remarks - general:	TSG#7: Is a reference in 33.908. Was withdrawn, but reinstated at TSG#10.			
						remarks - this release:	TSG#7: refered 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)

<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	current version: Document 1: General		none	WG (prime / other):	S3 / -	rapporteur:	WALKER, Michael			
	VODAFONE Group Plc			G:	U: yes	MCC:	POPE, Maurice			
	freeze_meeting: SP-10									
	history (event, available, version, 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>		remarks - general:	ex SAGE. 2002-06: clarified that deliverable is TS not TR.			
						remarks - this release:	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	current version: Document 2: Algorithm specification		none	WG (prime / other):	S3 / -	rapporteur:	WALKER, Michael			
	VODAFONE Group Plc			G:	U: yes	MCC:	POPE, Maurice			
	freeze_meeting: SP-10									
	history (event, available, version, SP-10 09/05/2001	3 . 0 . 0	SP-000673	<a href="#">get it</a>		remarks - general:	ex SAGE			
						remarks - this release:	TSG#10:SP-000673, not to be published till OKed by Partners. TSG#11:changed to Rel-4			

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<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	current version: <b>Document 3: Implementors' test data</b>	none	WG (prime / other):	S3	/-	rporteur:	WALKER, Michael
VODAFONE Group Plc									
	freeze_meeting: SP-10	G:	U: yes	MCC:	POPE, Maurice				
	history (event, available, version, SP-10 09/05/2001 3 . 0 . 0 SP-000630	<a href="#">get it</a>	remarks - general:	ex SAGE					
			remarks - this release:	.TSG#10:SP-000630, not to be published till OKed by Partners. TSG#11:changed to Rel-4					
<hr/>									
<b>TS 35.208</b>	<b>3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*;</b>	R99	current version: <b>Document 4: Design conformance test data</b>	none	WG (prime / other):	S3	/-	rporteur:	WALKER, Michael
VODAFONE Group Plc									
	freeze_meeting: SP-10	G:	U: yes	MCC:	POPE, Maurice				
	history (event, available, version, SP-10 09/05/2001 3 . 0 . 0 SP-000630	<a href="#">get it</a>	remarks - general:	ex SAGE					
			remarks - this release:	TSG#10:SP-000630, not to be published till OKed by Partners. TSG#11:changed to Rel-4					
<hr/>									
<b>TS 35.209</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	current version: <b>Document 5: Summary and results of design and evaluation</b>	none	WG (prime / other):	S3	/-	rporteur:	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):* - / *rapporteur:* RAPELI, Juha PHILIPS CONSUMER COMMUNICATION  
*freeze\_meeting:* *G:* *U:* yes *MCC:* ,  
*history (event, available, version,*  
smg-03 18/11/1994 3 . 0 . 0 *remarks - general:*  
smg-18 21/05/1996 3 . 1 . 0 *remarks - this release:* .  
smg-19 04/09/1996 3 . 2 . 0

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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):* - / *rapporteur:* RAPELI, Juha PHILIPS CONSUMER COMMUNICATION  
*freeze\_meeting:* *G:* *U:* yes *MCC:* ,  
*history (event, available, version,*  
smg-05 23/08/1993 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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**TR 01.03U UMTS system requirements**  
UMTS *current version:* none *WG (prime / other):* SMG / - *rapporteur:* RICHARDS, Derek Megisto Systems Inc.  
*freeze\_meeting:* *G:* yes *U:* *MCC:*  
*history (event, available, version,*  
ETSI publication 15/05/1996 3 . 1 . 0 withdrawn *remarks - general:* ETSI ETR 291 withdrawn.  
*remarks - this release:* ETSI ETR 291, withdrawn.

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**TS 01.04U Scenarios and considerations for the introduction of the Universal Mobile Telecommunications System (UMTS)**  
UMTS *current version:* none *WG (prime / other):* / *rapporteur:* ,  
*freeze\_meeting:* *G:* yes *U:* *MCC:*  
*history (event, available, version,*  
smg-19 28/09/1996 3 . 0 . 0 *remarks - general:*  
*remarks - this release:* .

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**TR 01.05U System design methodology for the UMTS**

UMTS *current version:* none  
*freeze\_meeting:*  
*history (event, available, version,*  
draft 05/03/1997 1 . 0 . 0

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

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

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UMTS 02 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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**TS 02.01U Framework for services to be supported by UMTS**

UMTS *current version:* none  
*freeze\_meeting:*  
*history (event, available, version,*  
Suspended 10/04/1996 3 . 0 . 0  
animation

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

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

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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 21.01U Overall requirements on the radio interface(s) of the UMTS**

UMTS *current version:* none  
*freeze\_meeting:*  
*history (event, available, version,*  
smg-22 13/06/1997 3 . 0 . 0  
ETSI publication 28/11/1997 3 . 0 . 1

*WG (prime / other):* GP / - *rapporteur:* MOULSLEY, Tim Philips Research Laboratories  
*G: U:* *MCC:* USAI, Paolino

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

<b>TR 21.02U</b>	<b>High level requirements relevant for the definition of the UMTS Terrestrial Radio Access UTRA concept</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>			Peter Skov	
			G: U:	MCC: USAI, Paolino	
	<i>history (event, available, version,</i>				
	smg-22 13/06/1997 3 . 0 . 0				<i>remarks - general:</i>
	ETSI publication 03/11/1998 3 . 0 . 1				<i>remarks - this release:</i>
<b>TS 21.04U</b>	<b>Requirements for the support of data services in UMTS</b>				
UMTS	<i>current version:</i> none		<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> HOLLEY, Kevin	mmO2 plc
	<i>freeze_meeting:</i>		G: U:	MCC: ,	
	<i>history (event, available, version,</i>				
	draft 17/01/2000 1 . 0 . 0				<i>remarks - general:</i>
					<i>remarks - this release:</i> #26: 0.0.2 or perhaps as 1.0.0
<b>TR 21.06U</b>	<b>O&amp;M requirements for the UMTS</b>				
UMTS	<i>current version:</i> none		<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> WEICHELBAUM, Steffen	Vodafone D2 GmbH
	<i>freeze_meeting:</i>		G: U:	MCC: ,	
	<i>history (event, available, version,</i>				
	First complete 19/10/1997 1 . 0 . 0				<i>remarks - general:</i>
	draft				<i>remarks - this release:</i>
	Milestone 1 19/12/1997 1 . 1 . 2				
	WG approval 17/02/1997 2 . 0 . 0				
	smg-25 20/03/1998 3 . 0 . 0				

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

<b>TS 22.00U</b>	<b>UMTS Phase 1</b>				
UMTS	<i>current version:</i> none		<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> VERRIER, David	France Telecom
	<i>freeze_meeting:</i>		G: U:	MCC: ,	
	<i>history (event, available, version,</i>				
	smg-27 1 . 0 . 0				<i>remarks - general:</i>
	draft 24/11/1998 1 . 3 . 0				<i>remarks - this release:</i>

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)

<b>TS 22.01U</b>	<b>Universal Mobile Telecommunications System (UMTS): Service aspects; Service principles</b>				
UMTS	<i>current version:</i> none	WG (prime / other): - / -	rapporteur: DWYER, Paul	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i>	G: U:	MCC: ,		
	<i>history (event, available, version,</i>				<i>remarks - general:</i>
	smg-21 3 . 0 . 0				<i>remarks - this release:</i>
	smg-22 3 . 1 . 0				
	smg-24 3 . 2 . 1				
	smg-27 17/10/1998 3 . 3 . 0				
<b>TS 22.05U</b>	<b>Services and service capabilities</b>				
UMTS	<i>current version:</i> none	WG (prime / other): - / -	rapporteur: PUGA PEREIRA,	France Telecom	
	<i>freeze_meeting:</i>	G: U:	Emmanuel		
	<i>history (event, available, version,</i>		MCC: ,		<i>remarks - general:</i>
	smg-25 3 . 0 . 0				<i>remarks - this release:</i>
	smg-26 01/07/1998 3 . 1 . 0				
<b>TR 22.07U</b>	<b>UMTS terminal and smart card concepts</b>				
UMTS	<i>current version:</i> none	WG (prime / other): - / -	rapporteur: SMOLANDER, Jouni	NOKIA Corporation	
	<i>freeze_meeting:</i>	G: yes U:	MCC: ,		
	<i>history (event, available, version,</i>				<i>remarks - general:</i>
	smg-25 3 . 0 . 0				<i>remarks - this release:</i>
	smg-27 3 . 1 . 0				
	edito 29/10/1998 3 . 1 . 1				
<b>TS 22.21U</b>	<b>Virtual Home Environment</b>				
UMTS	<i>current version:</i> none	WG (prime / other): - / -	rapporteur: OGUNBEKUN, Jumoke	FUJITSU Laboratories of Europe Limited	
	<i>freeze_meeting:</i>	G: U:	MCC: ,		
	<i>history (event, available, version,</i>				<i>remarks - general:</i>
					<i>remarks - this release:</i> .
<b>TS 22.24U</b>	<b>Charging and Accounting Mechanism</b>				
UMTS	<i>current version:</i> none	WG (prime / other): - / -	rapporteur: CHAMBERS, David	MOTOROLA Ltd	
	<i>freeze_meeting:</i>	G: U:	MCC: ,		
	<i>history (event, available, version,</i>				<i>remarks - general:</i>
	smg-25 28/05/1998 3 . 0 . 0				<i>remarks - this release:</i> #25: 3.0.0

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

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Server WITHDRAWN specs UMTS 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 22.25U Quality of Service (QoS) and network performance**

UMTS *current version: none*  
*freeze\_meeting:*  
*history (event, available, version,*  
smg-25 28/05/1998 3 . 1 . 0

*WG (prime / other):* - / - *rapporteur:* TIAINEN, Seppo  
*G:* *U:* *MCC:* ,

SONERA Corporation

*remarks - general:*  
*remarks - this release:* #25: 3.1.0

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**TS 22.29U Handover Requirements between UMTS and GSM or other RadioSystems**

UMTS *current version: none*  
*freeze\_meeting:*  
*history (event, available, version,*

*WG (prime / other):* - / - *rapporteur:* COOPER, David  
*G:* *U:* *MCC:* ,

Telecom Modus Limited

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

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**TS 22.30U Service requirements on security**

UMTS *current version: none*  
*freeze\_meeting:*  
*history (event, available, version,*

*WG (prime / other):* / *rapporteur:* ,  
*G:* *U:* *MCC:*

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

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**TS 22.35U Service requirements on numbering, addressing and identities**

UMTS *current version: none*  
*freeze\_meeting:*  
*history (event, available, version,*

*WG (prime / other):* / *rapporteur:* ,  
*G:* *U:* *MCC:*

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

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**TS 22.40U Charging, billing and accounting principles**

UMTS *current version: none*  
*freeze\_meeting:*  
*history (event, available, version,*

*WG (prime / other):* / *rapporteur:* ,  
*G:* *U:* *MCC:*

*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 22 .- series  
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<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>	,	
	<i>freeze_meeting:</i>	<i>G:</i>	<i>U:</i>	<i>MCC:</i>		
	<i>history (event, available, version,</i>					
				<i>remarks - general:</i>		
				<i>remarks - this release:</i>	.	
<hr/>						
<b>TS 22.50U</b>	<b>Subscriber and service profile requirements</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>		
	<i>history (event, available, version,</i>					
				<i>remarks - general:</i>		
				<i>remarks - this release:</i>	.	
<hr/>						
<b>TS 22.55U</b>	<b>UMTS user identity modules</b>					
UMTS	<i>current version: none</i>	<i>WG (prime / other):</i>	/	<i>rapporteur:</i>	,	
	<i>freeze_meeting:</i>	<i>G:</i>	<i>U:</i>	<i>MCC:</i>		
	<i>history (event, available, version,</i>					
				<i>remarks - general:</i>		
				<i>remarks - this release:</i>	.	
<hr/>						
<b>TS 22.60U</b>	<b>Mobile multimedia services including mobile Intranet and Internet services</b>					
UMTS	<i>current version: none</i>	<i>WG (prime / other):</i>	- / -	<i>rapporteur:</i>	AHNBERG, Tomas	Indicate persons who left Company and wait for new One
	<i>freeze_meeting:</i>	<i>G:</i>	<i>U:</i>	<i>MCC:</i>	,	
	<i>history (event, available, version,</i>					
	smg-25 28/05/1998 3 . 0 . 0					
				<i>remarks - general:</i>		
				<i>remarks - this release:</i>	#25: 3.0.0	
<hr/>						
<b>TS 22.70U</b>	<b>Virtual Home Environment</b>					
UMTS	<i>current version: none</i>	<i>WG (prime / other):</i>	- / -	<i>rapporteur:</i>	OGUNBEKUN, Jumoke	FUJITSU Laboratories of Europe Limited
	<i>freeze_meeting:</i>	<i>G:</i>	<i>U:</i>	<i>MCC:</i>	,	
	<i>history (event, available, version,</i>					
	smg-25 28/05/2001 3 . 0 . 0					
				<i>remarks - general:</i>		
				<i>remarks - this release:</i>	#25: 3.0.0	

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



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<b>TS 22.71U</b>	<b>Service aspects; Automatic Establishment of Roaming Relationships</b>				
UMTS	<i>current version:</i> none	WG (prime / other):	- / -	<i>rapporteur:</i>	
	<i>freeze_meeting:</i>	G:	U:	<i>MCC:</i>	,
	<i>history (event, available, version,</i>				
	smg-25		3 . 0 . 0	<i>remarks - general:</i>	
	smg-27		17/10/1998 3 . 0 . 1	<i>remarks - this release:</i>	#25: 3.0.0 #27: 3.0.1
<hr/>					
<b>TS 22.72U</b>	<b>Real Time Multimedia in UMTS</b>				
UMTS	<i>current version:</i> none	WG (prime / other):	- / -	<i>rapporteur:</i>	FISCHER, Ralf
	<i>freeze_meeting:</i>	G:	U:	<i>MCC:</i>	,
	<i>history (event, available, version,</i>				
				<i>remarks - general:</i>	
				<i>remarks - this release:</i>	.
<hr/>					
<b>TS 22.75U</b>	<b>Service aspects; Advanced addressing</b>				
UMTS	<i>current version:</i> none	WG (prime / other):	- / -	<i>rapporteur:</i>	KLEIER, Stephan
	<i>freeze_meeting:</i>	G:	U:	<i>MCC:</i>	,
	<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
<hr/>					
<b>TR 22.80U</b>	<b>UMTS Relationship to other Standards</b>				
UMTS	<i>current version:</i> none	WG (prime / other):	- / -	<i>rapporteur:</i>	AXERUD, Bo
	<i>freeze_meeting:</i>	G:	U:	<i>MCC:</i>	,
	<i>history (event, available, version,</i>				
	First complete		19/10/1997 1 . 0 . 2	<i>remarks - general:</i>	
	draft			<i>remarks - this release:</i>	#24: 2.0.1
	WG approval		07/11/1997 2 . 0 . 0		
	Under TB change		20/03/1998 2 . 0 . 1		
	control.				
	Milestone 1		19/12/1997 2 . 0 . 1		

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

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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<b>TS 23.01U</b>	<b>UMTS Network principles</b>				
UMTS	<i>current version:</i> none				
	<i>freeze_meeting:</i>				
	<i>history (event, available, version,</i>				
	smg-27 24/02/1999 3 . 0 . 0				
		<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> OLSSON, Magnus	Telefon AB LM Ericsson	
		<i>G:</i> <i>U:</i>	<i>MCC:</i> ,		
					<i>remarks - general:</i>
					<i>remarks - this release:</i> #27: for info
<hr/>					
<b>TS 23.05U</b>	<b>UMTS Network principles</b>				
UMTS	<i>current version:</i> none				
	<i>freeze_meeting:</i>				
	<i>history (event, available, version,</i>				
		<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> ,		
		<i>G:</i> <i>U:</i>	<i>MCC:</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:</i> none				
	<i>freeze_meeting:</i>				
	<i>history (event, available, version,</i>				
	smg-27 24/02/1999 3 . 0 . 0				
		<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> LOPEZ-TORRES, Oscar	T-MOBILE DEUTSCHLAND	
		<i>G:</i> <i>U:</i>	<i>MCC:</i> ,		
					<i>remarks - general:</i>
					<i>remarks - this release:</i> #27: for info
<hr/>					
<b>TS 23.20U</b>	<b>Evolution of the GSM platform towards UMTS</b>				
UMTS	<i>current version:</i> none				
	<i>freeze_meeting:</i>				
	<i>history (event, available, version,</i>				
	smg-27 1 . 0 . 0	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> JARVIS, Andre	Hutchison 3G UK Limited	
		<i>G:</i> <i>U:</i>	<i>MCC:</i> SULTAN, Alain		
					<i>remarks - general:</i>
					<i>remarks - this release:</i> #27: for info
<hr/>					
<b>TS 23.40U</b>	<b>UMTS Network Aspects; Relationship with UPT</b>				
UMTS	<i>current version:</i> none				
	<i>freeze_meeting:</i>				
	<i>history (event, available, version,</i>				
		<i>WG (prime / other):</i> /	<i>rapporteur:</i> ,		
		<i>G:</i> <i>U:</i>	<i>MCC:</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 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>	,
	<i>freeze_meeting:</i>	<i>G:</i>	<i>U:</i>	<i>MCC:</i>	
	<i>history (event, available, version,</i>				
				<i>remarks - general:</i>	
				<i>remarks - this release:</i>	.
<hr/>					
<b>TS 23.60U</b>	<b>UMTS Network Aspects; UMTS data organization</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>	
	<i>history (event, available, version,</i>				
				<i>remarks - general:</i>	
				<i>remarks - this release:</i>	.
<hr/>					
<b>TS 23.70U</b>	<b>UMTS Network Aspects; UMTS operations and procedures</b>				
UMTS	<i>current version: none</i>	<i>WG (prime / other):</i>	/	<i>rapporteur:</i>	,
	<i>freeze_meeting:</i>	<i>G:</i>	<i>U:</i>	<i>MCC:</i>	
	<i>history (event, available, version,</i>				
				<i>remarks - general:</i>	
				<i>remarks - this release:</i>	.
<hr/>					
<b>TS 23.80U</b>	<b>UMTS Network Aspects; Signalling requirements for UMTS</b>				
UMTS	<i>current version: none</i>	<i>WG (prime / other):</i>	/	<i>rapporteur:</i>	,
	<i>freeze_meeting:</i>	<i>G:</i>	<i>U:</i>	<i>MCC:</i>	
	<i>history (event, available, version,</i>				
				<i>remarks - general:</i>	
				<i>remarks - this release:</i>	.
<hr/>					
<b>TS 23.90U</b>	<b>UMTS Network Aspects; Network performance requirements</b>				
UMTS	<i>current version: none</i>	<i>WG (prime / other):</i>	/	<i>rapporteur:</i>	,
	<i>freeze_meeting:</i>	<i>G:</i>	<i>U:</i>	<i>MCC:</i>	
	<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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**TS 23.95U UMTS Network Aspects; Network functions relevant to satellites**  
UMTS *current version: none* WG (prime / other): / rapporteur: ,  
*freeze\_meeting:* G: U: MCC:  
*history (event, available, version,*

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

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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: ,  
*freeze\_meeting:* G: U: MCC:  
*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: ,  
*freeze\_meeting:* G: U: MCC:  
*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: ,  
*freeze\_meeting:* G: U: MCC:  
*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 25.15U UMTS Radio Aspects; Modulation**  
UMTS *current version: none*  
*freeze\_meeting:*  
*history (event, available, version,*

WG (prime / other): / rapporteur: ,  
G: U: MCC:

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

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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: ,  
G: U: yes MCC:

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

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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: ,  
G: U: MCC:

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

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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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**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  
draft

WG (prime / other): S5 / - rapporteur: GABE, Axel SIEMENS AG  
G: U: MCC: ZOICAS, Adrian

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

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

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 *WG (prime / other):* - / - *rapporteur:* SAMUKIC, Antun ERICSSON S.A.  
*freeze\_meeting:* *G:* *U:* *MCC:* ,  
*history (event, available, version,*  
smg-21 3 . 0 . 0 *remarks - general:*  
smg-22 3 . 1 . 0 *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  
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

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**TR 30.01U UMTS Baseline document: Collection of the SMG's positions on the UMTS**  
UMTS *current version:* none *WG (prime / other):* - / - *rapporteur:* SAMUKIC, Antun ERICSSON S.A.  
*freeze\_meeting:* *G:* *U:* *MCC:* ,  
*history (event, available, version,*  
smg-22 3 . 0 . 0 *remarks - general:*  
smg-23 3 . 1 . 0 *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  
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

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**TR 30.02U Experience from GSM standardisation to be applied at UMTS standardisation**  
UMTS *current version:* none *WG (prime / other):* - / - *rapporteur:*  
*freeze\_meeting:* *G:* *U:* *MCC:* ,  
*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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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 30.03U</b>	<b>Selection procedures for the choice of radio transmission technologies of the UMTS</b>					
UMTS	<i>current version:</i> none	<i>WG (prime / other):</i> GP / -	<i>rapporteur:</i> BLANC, Patrick	ALCATEL CIT		
	<i>freeze_meeting:</i>	<i>G:</i> U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	TC change control 13/06/1997 3 . 0 . 0				<i>remarks - general:</i>	
	smg-23 17/10/1997 3 . 1 . 0				<i>remarks - this release:</i> #23: 3.1.0 #25: 3.2.0	
	smg-25 20/03/1998 3 . 2 . 0					
<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>	<i>G:</i> U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	First complete 01/06/1997 1 . 0 . 0				<i>remarks - general:</i>	
	draft				<i>remarks - this release:</i> #22: 3.0.0	
	smg-22 14/06/1997 3 . 0 . 0					
	ETSI publication 03/11/1998 3 . 0 . 1					
<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>	<i>G:</i> U:	<i>MCC:</i> ,			
	<i>history (event, available, version,</i>					
					<i>remarks - general:</i>	
					<i>remarks - this release:</i> .	
<hr/>						
<b>TR 30.06U</b>	<b>UTRA Concept Evaluation Reports</b>					
UMTS	<i>current version:</i> none	<i>WG (prime / other):</i> GP / -	<i>rapporteur:</i> USAI, Paolino	Telecom Italia Lab S.p.A.		
	<i>freeze_meeting:</i>	<i>G:</i> U:	<i>MCC:</i> USAI, Paolino			
	<i>history (event, available, version,</i>					
	First complete 01/12/1997 1 . 0 . 0				<i>remarks - general:</i>	
	draft				<i>remarks - this release:</i> #24: 3.0.0	
	smg-24 15/12/1997 3 . 0 . 0					

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**TR 30.20U Technical characteristics, capabilities and limitations of mobile satellite systems applicable to the UMTS**

UMTS *current version:* none *WG (prime / other):* - / - *rapporteur:* RAPELI, Juha PHILIPS CONSUMER COMMUNICATION  
*freeze\_meeting:* G: U: *MCC:* ,

*history (event, available, version,*  
Creation of WI by 13/06/1997 2 . 0 . 0 *remarks - general:*  
WG/TB *remarks - this release:* #24: 3.1.0  
TB approval 30/08/1997 3 . 0 . 0  
smg-24 19/12/1997 3 . 1 . 0

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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 Hutchison 3G UK Limited  
*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)

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**TR 33.20U Security principles for the UMTS**

UMTS *current version:* none *WG (prime / other):* - / - *rapporteur:*  
*freeze\_meeting:* G: U: *MCC:* ,

*history (event, available, version,*  
smg-19 13/06/1997 3 . 0 . 0 *remarks - general:*  
*remarks - this release:* #19: 3.0.0

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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)

## 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:* ,

*remarks - general:*

*remarks - this release:* #27: for info

## 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

*history (event, available, version,*

smg-27	16/10/1998	0	.	1	.	0
smg-28	12/02/1999	7	.	0	.	0
smg-29	25/06/1999	7	.	1	.	0
smg-30	11/11/1999	7	.	2	.	0

SP-15: withdrawn since SMG and PT-SMG no longer exist.

*WG (prime / other):* SP / - *rapporteur:* BERGMANN, Ansgar

*G:* yes *U:* *MCC:* POPE, Maurice

Deutsche Telekom AG

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

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

[get it](#)

[get it](#)

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Server WITHDRAWN specs R98 01 .- series  
[http://www.3gpp.org/ftp/Specs/archive/01\\_series](http://www.3gpp.org/ftp/Specs/archive/01_series)

R98 02 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

**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 Research In Motion Limited  
*G:* yes *U:* *MCC:* CLAYTON, Michael

*remarks - general:* Moved from T3 Jan-00.  
*remarks - this release:* Place holder - no spec.

R98 03 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/03\\_series](http://www.3gpp.org/ftp/Specs/archive/03_series)

**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 Teleca Limited  
*G:* yes *U:* *MCC:* RODERMUND, Friedhelm

[get it](#) *remarks - general:* TSG#9:withdrawn cos contains misleading information/references  
*remarks - this release:* need identified 2000-03-29 TSG#9:withdrawn cos contains misleading information/references

R98 04 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/04\\_series](http://www.3gpp.org/ftp/Specs/archive/04_series)

**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, Koninklijke KPN N.V.  
*G:* yes *U:* *MCC:*

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

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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>WG (prime / other):</i> - / -	<i>rapporteur:</i> NAVARRO, William	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> ,		
	<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>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> RODERMUND, Vodafone D2 GmbH		
	<i>freeze_meeting:</i> smg-29	<i>G: yes U:</i>	<i>MCC:</i> RODERMUND, Friedhelm		
	<i>history (event, available, version,</i>				
	smg-26 26/06/1998	7 . 0 . 0	<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)

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## 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	<a href="#">get it</a>	<i>remarks - general:</i>
Maui 20/01/1999 0 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release: #29: 7.0.0 #30: 2.0.6! #30b: 2.0.7 #31:2.1.0. 2001-01-24 Clayton: withdrawn.</i>
Chicago 31/01/1999 0 . 0 . 2	<a href="#">get it</a>	
Chicago 04/02/1999 1 . 0 . 0	<a href="#">get it</a>	
Cambridge 10/06/1999 2 . 0 . 0	<a href="#">get it</a>	
Dallas 09/07/1999 2 . 0 . 1	<a href="#">get it</a>	
San Diego 21/07/1999 2 . 0 . 2	<a href="#">get it</a>	
Dallas 03/09/1999 2 . 0 . 3	<a href="#">get it</a>	
King of Prussia 14/09/1999 2 . 0 . 4	<a href="#">get it</a>	
Phoenix & Clearwater 30/10/1999 2 . 0 . 5	<a href="#">get it</a>	
Raleigh 03/11/1999 2 . 0 . 6	<a href="#">get it</a>	
smg-30 11/11/1999 2 . 0 . 6	<a href="#">get it</a>	
Phoenix 29/11/1999 2 . 0 . 7	<a href="#">get it</a>	
smg-30 bis 06/12/1999 2 . 0 . 7	<a href="#">get it</a>	
Colorado Spring 03/01/2000 2 . 0 . 8	<a href="#">get it</a>	
Dallas 05/01/2000 2 . 0 . 9	<a href="#">get it</a>	
smg-31 24/01/2001 2 . 1 . 0	<a href="#">get it</a>	
Puerto Vallarta 26/01/2000 3 . 0 . 0	<a href="#">get it</a>	
smg-29 25/06/1999 7 . 0 . 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/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:* SULTAN, Alain

Vodafone D2 GmbH

[get it](#) *remarks - general:*  
*remarks - this release:* July 2002: abandoned  
[get it](#)  
[get it](#)  
[get it](#)  
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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:* SULTAN, Alain

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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[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> G5 / S1 / NP / T2 / SCP / G4	<i>rapporteur:</i> SALMERON, Lidia	TELEPLUS LIMITED
	<i>history (event, available, version,</i>	<i>G: yes U:</i>	<i>MCC:</i> SALMERON, Lidia	
			<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).	

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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>			
R98	<i>current version:</i> none <i>freeze_meeting:</i> smg-29	<i>WG (prime / other):</i> G5 / S1 / NP / T2 / SCP / G4	<i>rapporteur:</i> SALMERON, Lidia	TELEPLUS LIMITED
	<i>history (event, available, version,</i>	<i>G: yes U:</i>	<i>MCC:</i> SALMERON, Lidia	
			<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).	

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<b>TS 11.10-4</b>	<b>Mobile Station (MS) Conformance Specification; Part 4: SIM Application Toolkit conformance specification</b>			
R98	<i>current version:</i> none <i>freeze_meeting:</i> smg-29	<i>WG (prime / other):</i> G5 / G4, T3	<i>rapporteur:</i> SALMERON, Lidia	TELEPLUS LIMITED
	<i>history (event, available, version,</i>	<i>G: yes U:</i>	<i>MCC:</i> SALMERON, Lidia	
			<i>remarks - general:</i> 2001-11-19: G4->G5. TP-14: may be txferred to T3. TP-17: T3 proposes to take <i>remarks - this release:</i> Place holder; no draft ever produced (refer to Phase 2 version). over this spec by CR; also to withdraw the R96 version, since the R99 version will cover all previous Releases.	

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from G5, and to approve a new R99 version not derived from R96

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## R97

R97 01 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/01\\_series](http://www.3gpp.org/ftp/Specs/archive/01_series)

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<b>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.		

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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 02.31</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		

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Server WITHDRAWN specs R97 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 02.33</b>	<b>Lawful Interception (LI); Stage 1</b>				
R97	<i>current version: none</i>	<i>WG (prime / other):</i> S3 /	<i>rapporteur:</i> MCKIBBEN, Bernie	MOTOROLA GmbH	
	<i>freeze_meeting: smg-26</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> (No spec this Release)

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<b>TS 02.38</b>	<b>SIM application toolkit (SAT); Stage 1</b>				
R97	<i>current version: none</i>	<i>WG (prime / other):</i> S1 / SCP	<i>rapporteur:</i> CARPENTER, Paul	Research In Motion Limited	
	<i>freeze_meeting: smg-26</i>	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
					<i>remarks - general:</i> Moved from T3 Jan-00.
					<i>remarks - this release:</i> 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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<b>TS 03.04</b>	<b>Signalling Requirements Relating to Routing of Calls to Mobile Subscribers</b>				
R97	<i>current version: none</i>	<i>WG (prime / other):</i> N4 / SPA	<i>rapporteur:</i> KYMALAINEN, Kimmo	SONERA Corporation	
	<i>freeze_meeting: smg-26</i>	N / T2			
	<i>history (event, available, version,</i>	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	smg-27 16/10/1998 6 . 0 . 0				<a href="#">get it</a> <i>remarks - general:</i>
					<i>remarks - this release:</i> #27: 6.0.0 (To be withdrawn)

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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>				
R97	<i>current version: none</i>	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian	Teleca Limited	
	<i>freeze_meeting: smg-26</i>	<i>G: yes U:</i>	<i>MCC:</i> RODERMUND, Friedhelm		
	<i>history (event, available, version,</i>				
	smg-27 16/10/1998 6 . 0 . 0				<a href="#">get it</a> <i>remarks - general:</i> TSG#9:withdrawn cos contains misleading information/references
					<i>remarks - this release:</i> #27: 6.0.0TSG#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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**TS 03.61 General Packet Radio Service (GPRS); Point To Multipoint Multicast Service Description; Stage 2**  
R97 *current version: none* WG (prime / other): - / - rapporteur: NAPER, Hans Petter MOTOROLA GmbH  
*freeze\_meeting: smg-26* G: yes U: MCC: ,  
*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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**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: ,  
*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:  
*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:  
*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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[http://www.3gpp.org/ftp/Specs/archive/05\\_series](http://www.3gpp.org/ftp/Specs/archive/05_series)

TR 05.21 **DCS 1800; 4 Watt Mobile Power Class- study**  
R97 *current version: none*  
*freeze\_meeting: smg-26*  
*history (event, available, version,*

*WG (prime / other): / rapporteur: TWINGLER, Jonas Northstream AB*  
*G: yes U: MCC:*

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

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*  
*freeze\_meeting: smg-26*  
*history (event, available, version,*  
First complete 15/07/1996 1 . 0 . 0  
draft

*WG (prime / other): / rapporteur: LESKE, John SCANDEW PTY Ltd*  
*G: yes U: MCC:*

[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 09.94 **Interworking between Phase 1 Infrastructure and Phase 2 Mobile Stations (MS)**  
R97 *current version: none*  
*freeze\_meeting: smg-26*  
*history (event, available, version,*  
smg-27 16/10/1998 6 . 0 . 0

*WG (prime / other): N1 / - rapporteur: HOWELL, Andrew MOTOROLA Ltd*  
*G: yes U: MCC: JORGENSEN, Per Johan*

[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)

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<b>TR 10.01</b>	<b>GSM features and releases</b>				
R97	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> ,		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> ,		
	<i>history (event, available, version,</i>				
	draft 23/10/1997 0 . 0 . 2				
		<a href="#">get it</a>	<i>remarks - general:</i> 2001-11-20: stopped - obviously no interest!		
			<i>remarks - this release:</i> .		
<hr/>					
<b>TR 10.17</b>	<b>General Packet Radio Service (GPRS); Charging in GPRS</b>				
R97	<i>current version:</i> none	<i>WG (prime / other):</i> - / -	<i>rapporteur:</i> HEATON, Graham	Aether Systems Inc.	
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> ,		
	<i>history (event, available, version,</i>				
	smg-25 20/03/1998 1 . 0 . 0				
		<a href="#">get it</a>	<i>remarks - general:</i> Scrapped.		
			<i>remarks - this release:</i> #25: 1.0.0 #26: replaced by 12.15 or 12.04 (v7)		
<hr/>					
<b>TR 10.20</b>	<b>Lawful Interception requirements for GSM</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>				
	smg-27 16/10/1998 6 . 0 . 0				
		<a href="#">get it</a>	<i>remarks - general:</i> Replaced by 01.33.		
			<i>remarks - this release:</i> SMG#27:6.0.0; replaced by 01.33		
<hr/>					
<b>TS 10.60</b>	<b>General Packet Radio Services (GPRS); Project Scheduling and Open Issues</b>				
R97	<i>current version:</i> none	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i>		
	<i>freeze_meeting:</i> smg-26	<i>G: yes U:</i>	<i>MCC:</i> SULTAN, Alain		
	<i>history (event, available, version,</i>				
	smg-25 6 . 0 . 0				
			<i>remarks - general:</i>		
			<i>remarks - this release:</i>		

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R97

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>			
R97	<i>current version:</i> none <i>freeze_meeting:</i> smg-26	<i>WG (prime / other):</i> G5 / S1 / NP / T2 / SCP / G4	<i>rapporteur:</i> SALMERON, Lidia	TELEPLUS LIMITED
	<i>history (event, available, version,</i>	<i>G: yes U:</i>	<i>MCC:</i> SALMERON, Lidia	
			<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>			
R97	<i>current version:</i> none <i>freeze_meeting:</i> smg-26	<i>WG (prime / other):</i> G5 / S1 / NP / T2 / SCP / G4	<i>rapporteur:</i> SALMERON, Lidia	TELEPLUS LIMITED
	<i>history (event, available, version,</i>	<i>G: yes U:</i>	<i>MCC:</i> SALMERON, Lidia	
			<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: SIM Application Toolkit conformance specification</b>			
R97	<i>current version:</i> none <i>freeze_meeting:</i> smg-26	<i>WG (prime / other):</i> G5 / G4, T3	<i>rapporteur:</i> SALMERON, Lidia	TELEPLUS LIMITED
	<i>history (event, available, version,</i>	<i>G: yes U:</i>	<i>MCC:</i> SALMERON, Lidia	
			<i>remarks - general:</i> 2001-11-19: G4->G5. TP-14: may be txferred to T3. TP-17: T3 proposes to take <i>remarks - this release:</i> Place holder; no draft ever produced (refer to Phase 2 version). over this spec	
	from G5, and to approve a new R99 version not derived from R96		by CR; also to withdraw the R96 version, since the R99 version will cover all previous Releases.	

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**TS 11.21 Base Station System (BSS) equipment specification; Radio aspects**  
R97  
current version: none  
freeze\_meeting: smg-26  
history (event, available, version,  
GP-09 06/05/2002 6 . 0 . 0 not produced post smg-27; withdrawn [get it](#)  
GP-12 6 . 1 . 0

WG (prime / other): G3 / - rapporteur: VACANT,  
G: yes U: MCC: USAI, Paolino

remarks - general:  
remarks - this release: #27:6.0.0 (Rodermund: not required [Aug-00]). GP-09 (Usai) resurrected. GP-12 (Usai): scrapped again.

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**TS 11.56 CTS phase 1, CTS Fixed Part Tests**  
R97  
current version: none  
freeze\_meeting: smg-26  
history (event, available, version,

WG (prime / other): - / - rapporteur: MATTISSON, Leif Telefon AB LM Ericsson  
G: yes U: MCC: ,

remarks - general:  
remarks - this release: .

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R97 12 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

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**TS 12.03 Security Management**  
R97  
current version: none  
freeze\_meeting: smg-26  
history (event, available, version,

WG (prime / other): S5 / S1 / NP rapporteur: TRUSS, Michael MOTOROLA Ltd  
G: yes U: MCC: ZOICAS, Adrian

remarks - general:  
remarks - this release: No spec.

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**TS 12.04 Performance data measurements**  
R97  
current version: none  
freeze\_meeting: smg-26  
history (event, available, version,

WG (prime / other): S5 / S1 / NP rapporteur: TOCHE, Christian NORTEL NETWORKS (EUROPE)  
G: yes U: MCC: ZOICAS, Adrian

remarks - general:  
remarks - this release: No spec

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## R96

R96 01 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/01\\_series](http://www.3gpp.org/ftp/Specs/archive/01_series)

<b>TR 01.00</b>	<b>Working Procedures for SMG and PT SMG</b>						
R96	<i>current version:</i> none		<i>WG (prime / other):</i> SP / -	<i>rapporteur:</i> BERGMANN, Ansgar	Deutsche Telekom AG		
	<i>freeze_meeting:</i> smg-22		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> POPE, Maurice			
	<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-25 20/03/1998 5 . 2 . 0	SP-15: withdrawn since SMG and PT-SMG no longer exist.	<a href="#">get it</a>				
<b>TR 01.31</b>	<b>Fraud Information Gathering System (FIGS); Service requirements; Stage 0</b>						
R96	<i>current version:</i> none		<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> WRIGHT, Tim	Indicate persons who left Company and wait for new One		
	<i>freeze_meeting:</i> smg-22		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> POPE, Maurice			
	<i>history (event, available, version,</i>						
	smg-23 17/10/1997 5 . 0 . 0	withdrawn, smg-25	<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>WG (prime / other):</i> SMG /	<i>rapporteur:</i> CLAYTON, Michael	EMCOM Ltd		
	<i>freeze_meeting:</i> smg-22		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>						
	draft 07/11/1995 1 . 0 . 0		<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>WG (prime / other):</i> SMG / -	<i>rapporteur:</i> VACANT,			
	<i>freeze_meeting:</i> SP-11		<i>G:</i> yes <i>U:</i>	<i>MCC:</i> CLAYTON, Michael			
	<i>history (event, available, version,</i>						
				<i>remarks - general:</i>			
				<i>remarks - this release:</i> .			

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**TS 01.61 General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements**  
R96 *current version: none* WG (prime / other): S3 / - *rapporteur:* WALKER, Michael VODAFONE Group Plc  
*freeze\_meeting:* smg-22 G: yes U: MCC: POPE, Maurice  
*history (event, available, version,* 5 . 0 . 0 SMG-25 withdrawn *remarks - general:*  
smg-23 *remarks - this release: #25: withdrawn*

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**TS 01.78 Customized Applications for Mobile networks using Enhanced Logic (CAMEL); Stage 0**  
R96 *current version: none* WG (prime / other): / - *rapporteur:*  
*freeze\_meeting:* smg-22 G: yes U: MCC:  
*history (event, available, version,* *remarks - general:*  
*remarks - this release: .*

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R96 02 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/02\\_series](http://www.3gpp.org/ftp/Specs/archive/02_series)

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**TS 02.18 Interworking with non-GSM applications on the SIM to be accessed via the GSM network**  
R96 *current version: none* WG (prime / other): / *rapporteur:* SCHMIDT, Günter DETEMOBIL GMBH  
*freeze\_meeting:* smg-22 G: yes U: MCC:  
*history (event, available, version,* *remarks - general:*  
*remarks - this release: .*

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**TS 02.25 GSM - DCS roaming: Requirements and Stage 1 descriptions**  
R96 *current version: none* WG (prime / other): / *rapporteur:* LE ROUX, Alain France Telecom  
*freeze\_meeting:* smg-22 G: yes U: MCC:  
*history (event, available, version,* *remarks - general:*  
*remarks - this release: .*

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<b>TS 02.26</b>	<b>Operation of multi-band GSM/DCS 1800 network by a single operator</b>				
R96	current version: none freeze_meeting: smg-22 history (event, available, version,	WG (prime / other): G: yes U:	/	rapporteur: LJUNGGREN, Tommy MCC:	Northstream AB
				remarks - general: remarks - this release: .	
<b>TS 02.27</b>	<b>DECT access to GSM networks</b>				
R96	current version: none freeze_meeting: smg-22 history (event, available, version,	WG (prime / other): G: yes U:	/	rapporteur: CONRAD, Alan MCC:	T-MOBILE DEUTSCHLAND
				remarks - general: remarks - this release: .	
<b>TS 02.28</b>	<b>UPT phase 1</b>				
R96	current version: none freeze_meeting: smg-22 history (event, available, version,	WG (prime / other): G: yes U:	/	rapporteur: KOSYDAR, L MCC:	Indicate persons who left Company and wait for new One
				remarks - general: remarks - this release: .	
<b>TS 02.29</b>	<b>Inter operation with UPT phase 2</b>				
R96	current version: none freeze_meeting: smg-22 history (event, available, version,	WG (prime / other): G: yes U:	/	rapporteur: TÖPFER, Armin MCC:	Vodafone D2 GmbH
				remarks - general: remarks - this release: .	
<b>TS 02.31</b>	<b>Fraud Information Gathering System (FIGS); Service description; Stage 1</b>				
R96	current version: none freeze_meeting: smg-22 history (event, available, version, draft 13/05/1997 1 . 0 . 0 draft 01/10/1997 2 . 0 . 0 smg-23 17/10/1997 5 . 0 . 0 withdrawn	WG (prime / other): G: yes U:	S3 /	rapporteur: WRIGHT, Tim MCC: POPE, Maurice	Indicate persons who left Company and wait for new One
				remarks - general: remarks - this release: #26: withdrawn	
				<a href="#">get it</a> <a href="#">get it</a> <a href="#">get it</a>	

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<b>TS 02.33</b>	<b>Lawful Interception (LI); Stage 1</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> S3 /	<i>rapporteur:</i> MCKIBBEN, Bernie	MOTOROLA GmbH	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice		
	<i>history (event, available, version,</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>			
<b>TS 02.35</b>	<b>Universal access to freephone numbers; Stage 1</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> /	<i>rapporteur:</i> COX, Alan	VODAFONE Group Plc	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i>		
	<i>history (event, available, version,</i>				
					<i>remarks - general:</i>
					<i>remarks - this release:</i> .
<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> TÖPFER, Armin	Vodafone D2 GmbH	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i>		
	<i>history (event, available, version,</i>				
					<i>remarks - general:</i>
					<i>remarks - this release:</i> .
<b>TS 02.37</b>	<b>ISDN based DECT/GSM Interworking</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> /	<i>rapporteur:</i> BERGMANN, Ansgar	Deutsche Telekom AG	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i>		
	<i>history (event, available, version,</i>				
					<i>remarks - general:</i>
					<i>remarks - this release:</i> .
<b>TS 02.38</b>	<b>SIM application toolkit (SAT); Stage 1</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> S1 / SCP	<i>rapporteur:</i> CARPENTER, Paul	Research In Motion Limited	
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>				
	smg-29 1 . 0 . 0				<i>remarks - general:</i> Moved from T3 Jan-00.
					<i>remarks - this release:</i>

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<b>TS 02.53</b>	<b>Tandem Free Operation (TFO); Service description; Stage 1</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> S4 /	<i>rapporteur:</i> NAVARRO, William	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> smg-22	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>			<i>remarks - general:</i> SMG11->S4 at SMG#30	
	smg-23 5 . 0 . 0			<i>remarks - this release:</i>	
	smg-24 5 . 1 . 0				withdrawn SMG-25
<hr/>					
<b>TS 02.60</b>	<b>General Packet Radio Service Stage 1 Description</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> CARPENTER, Paul	Research In Motion Limited	
	<i>freeze_meeting:</i> smg-22	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>			<i>remarks - general:</i>	
	smg-21 14/02/1997 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #21: 5.0.0 #23: 5.1.0 #24: 5.2.0 #25: withdrawn	
	smg-23 17/10/1997 5 . 1 . 0		<a href="#">get it</a>		
	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	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>			<i>remarks - general:</i>	
	smg-24 19/12/1997 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #24: 5.0.0 @25: withdrawn	
<hr/>					
<b>TS 02.72</b>	<b>Call Deflection Service description, Stage 1</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> S1 / -	<i>rapporteur:</i> HABERMANN, Steffen	T-MOBILE DEUTSCHLAND	
	<i>freeze_meeting:</i> smg-22	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> CLAYTON, Michael		
	<i>history (event, available, version,</i>			<i>remarks - general:</i>	
	smg-19 28/06/1996 5 . 0 . 0		<a href="#">get it</a>	<i>remarks - this release:</i> #19: 5.0.0 #25: withdrawn	
<hr/>					
<b>TS 02.73</b>	<b>Malicious Call Identification (MCID) - stage 1</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> /	<i>rapporteur:</i> SHARP, Iain	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> smg-22	<i>G:</i> yes <i>U:</i>	<i>MCC:</i>		
	<i>history (event, available, version,</i>			<i>remarks - general:</i>	
				<i>remarks - this release:</i> .	

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<b>TS 02.77</b>	<b>Emergency call TS12 with additional data transfer</b>					
R96	current version: none	WG (prime / other):	/	rapporteur:	CONRAD, Alan	T-MOBILE DEUTSCHLAND
	freeze_meeting: smg-22	G: yes U:		MCC:		
	history (event, available, version,			remarks - general:		
				remarks - this release:		
<hr/>						
<b>TS 02.87</b>	<b>User-to-User Signalling (UUS) Service Description; Stage 1</b>					
R96	current version: none	WG (prime / other):	S1 / -	rapporteur:	CONRAD, Alan	T-MOBILE DEUTSCHLAND
	freeze_meeting: smg-22	G: yes U:		MCC:	CLAYTON, Michael	
	history (event, available, version,			remarks - general:		
	smg-18 12/04/1996 5 . 0 . 0			remarks - this release:	#18: 5.0.0 #20: 5.1.0 #21: 5.2.0 #23: 5.3.0 #25: withdrawn	
	smg-20 11/10/1996 5 . 1 . 0					
	smg-21 14/02/1997 5 . 2 . 0					
	edito 19/01/1996 5 . 2 . 1					
	smg-23 17/10/1997 5 . 3 . 0					
<hr/>						
<b>TS 02.92</b>	<b>Call Forward Enhancements (CFE) - Stage 1 description</b>					
R96	current version: none	WG (prime / other):	/	rapporteur:	RENAUD, Nicolas	GEMPLUS Card International
	freeze_meeting: smg-22	G: yes U:		MCC:		
	history (event, available, version,			remarks - general:		
				remarks - this release:		
<hr/>						
<b>TS 02.93</b>	<b>Completion of Calls to Busy Subscriber (CCBS) Service Description; Stage 1</b>					
R96	current version: none	WG (prime / other):	S1 / -	rapporteur:	CLAYTON, Michael	EMCOM Ltd
	freeze_meeting: smg-22	G: yes U:		MCC:	CLAYTON, Michael	
	history (event, available, version,			remarks - general:		
	smg-16 5 . 0 . 0			remarks - this release:	#16: 5.0.0 #19: 5.1.0 #20: 5.2.0 #22: 5.3.0 #23: 5.4.0 #24: 5.5.0 #25: withdrawn	
	smg-19 5 . 1 . 0					
	smg-20 5 . 2 . 0					
	smg-22 5 . 3 . 0					
	smg-23 5 . 4 . 0					
	smg-24 5 . 5 . 0					

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**TS 02.96 Name Identification Supplementary Services; Stage 1**  
R96 *current version: none*  
*freeze\_meeting: smg-22*  
*history (event, available, version,*  
smg-24 5 . 0 . 0

*WG (prime / other):* S1 / - *rapporteur:* GARAPATY, Sonia Nortel Networks (USA)  
*G: yes U:* *MCC:* CLAYTON, Michael

*remarks - general:*  
*remarks - this release:* #24: 5.0.0 #25: withdrawn

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**TS 02.97 Multiple Subscriber Profile (MSP) Service description, Stage 1**  
R96 *current version: none*  
*freeze\_meeting: smg-22*  
*history (event, available, version,*  
smg-19 28/06/1996 5 . 0 . 0  
smg-22 13/06/1997 5 . 1 . 0  
ETSI publication 15/09/1997 5 . 1 . 1  
smg-23 17/10/1997 5 . 2 . 0

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

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #19: 5.0.0 #22: 5.1.0 #23: 5.2.0 #25: withdrawn  
[get it](#)  
[get it](#)

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**TS 02.98 New barring services; Stage 1**  
R96 *current version: none*  
*freeze\_meeting: smg-22*  
*history (event, available, version,*

*WG (prime / other):* / *rapporteur:* SCHMIDT, Günter DETEMOBIL GMBH  
*G: yes U:* *MCC:*

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

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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 ORANGE PCS LTD  
*G: yes U:* *MCC:*

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

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<b>TS 03.04</b>	<b>Signalling Requirements Relating to Routing of Calls to Mobile Subscribers</b>						
R96	<i>current version:</i> none <i>freeze_meeting:</i> smg-22	<i>WG (prime / other):</i> N4 / SPA	<i>rapporteur:</i> KYMALAINEN, Kimmo				SONERA Corporation
	<i>history (event, available, version,</i> smg-20 11/10/1996 5 . 0 . 0	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo				
		<a href="#">get it</a>	<i>remarks - general:</i>				
			<i>remarks - this release:</i> #20: 5.0.0 (To be withdrawn)				
<b>TS 03.17</b>	<b>Technical realization of Exchange of Network Capabilities Information (ENCI); Stage 2</b>						
R96	<i>current version:</i> none <i>freeze_meeting:</i> smg-22	<i>WG (prime / other):</i> /	<i>rapporteur:</i> APRATH, Stefan				Vodafone D2 GmbH
	<i>history (event, available, version,</i> Table of Contents 01/09/1996 0 . 4 . 0 and Scope	<i>G:</i> yes <i>U:</i>	<i>MCC:</i>				
		<a href="#">get it</a>	<i>remarks - general:</i>				
			<i>remarks - this release:</i> .				
<b>TS 03.36</b>	<b>Premium rate services- stage 2</b>						
R96	<i>current version:</i> none <i>freeze_meeting:</i> smg-22	<i>WG (prime / other):</i> /	<i>rapporteur:</i> TÖPFER, Armin				Vodafone D2 GmbH
	<i>history (event, available, version,</i>	<i>G:</i> yes <i>U:</i>	<i>MCC:</i>				
			<i>remarks - general:</i>				
			<i>remarks - this release:</i> .				
<b>TR 03.39</b>	<b>Digital Cellular Telecommunications System (Phase 2) Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)</b>						
R96	<i>current version:</i> none <i>freeze_meeting:</i> smg-22	<i>WG (prime / other):</i> T2 / -	<i>rapporteur:</i> HARRIS, Ian				Teleca Limited
	<i>history (event, available, version,</i> TP-09 (Withdrawn) 28/09/2000 5 . 0 . 0 smg-20 11/10/1996 5 . 0 . 0	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> RODERMUND, Friedhelm				
		<a href="#">get it</a>	<i>remarks - general:</i> TSG#9:withdrawn cos contains misleading information/references				
		<a href="#">get it</a>	<i>remarks - this release:</i> #20: 5.0.0TSG#9:withdrawn cos contains misleading information/references				
<b>TS 03.60</b>	<b>General Packet Radio Service (GPRS) Service description; Stage 2</b>						
R96	<i>current version:</i> none <i>freeze_meeting:</i> smg-22	<i>WG (prime / other):</i> S2 / -	<i>rapporteur:</i> DELECKI, Andrew				MOTOROLA Ltd
	<i>history (event, available, version,</i> 5 . 0 . 0 smg-23 5 . 1 . 0 smg-24 5 . 2 . 0 smg-25 5 . 3 . 0 withdrawn, SMG-25	<i>G:</i> yes <i>U:</i>	<i>MCC:</i> SULTAN, Alain				
			<i>remarks - general:</i>				
			<i>remarks - this release:</i> .				

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<b>TS 03.64</b>	<b>General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> G1 / -	<i>rapporteur:</i> LEPPISAARI, Arto	NOKIA Corporation	
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> USAI, Paolino		
	<i>history (event, available, version,</i>				
	smg-23 5 . 1 . 0			<i>remarks - general:</i>	
	smg-24 5 . 2 . 0	withdrawn SMG-25		<i>remarks - this release:</i> .	
<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	SIEMENS AG	
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> ,		
	<i>history (event, available, version,</i>				
				<i>remarks - general:</i>	
				<i>remarks - this release:</i> .	
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<b>TS 03.95</b>	<b>Support of Private Numbering Plan (SPNP); Stage 2</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> /	<i>rapporteur:</i> SHARP, Iain	NORTEL NETWORKS (EUROPE)	
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i>		
	<i>history (event, available, version,</i>				
				<i>remarks - general:</i>	
				<i>remarks - this release:</i> Scrapped Jan 98.	
<hr/>					
<b>TS 03.98</b>	<b>New barring services; Stage 2 description</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> VAN DER AREND,	Koninklijke KPN N.V.	
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> ,		
	<i>history (event, available, version,</i>				
				<i>remarks - general:</i>	
				<i>remarks - this release:</i> .	
<hr/>					
<b>TS 03.99</b>	<b>Direct Subscriber Access and Restriction (DSAR); Stage 2</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> - /	<i>rapporteur:</i> VAN DER AREND,	Koninklijke KPN N.V.	
	<i>freeze_meeting:</i> smg-22	G: yes U:	<i>MCC:</i> ,		
	<i>history (event, available, version,</i>				
				<i>remarks - general:</i>	
				<i>remarks - this release:</i> .	

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**TS 04.36 Premium rate services- stage 3**

R96 *current version:* none  
*freeze\_meeting:* smg-22  
*history (event, available, version,*

*WG (prime / other):* / *rapporteur:* TÖPFER, Armin Vodafone D2 GmbH  
*G: yes U:* *MCC:*

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

**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:* SALKINTZIS, Apostolis MOTOROLA GmbH  
*G: yes U:* *MCC:* JORGENSEN, Per Johan

[get it](#) *remarks - general:*  
[get it](#) *remarks - this release:* #25: withdrawn

**TS 04.65 General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)**

R96 *current version:* none  
*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:* SALKINTZIS, Apostolis MOTOROLA GmbH  
*G: yes U:* *MCC:* JORGENSEN, Per Johan

[get it](#) *remarks - general:* 24.065 existed, but scrapped since 04.65 is GSM only.  
[get it](#) *remarks - this release:* #25: withdrawn

**TS 04.70 Payphone services- stage 3**

R96 *current version:* none  
*freeze\_meeting:* smg-22  
*history (event, available, version,*

*WG (prime / other):* / *rapporteur:* CLAYTON, Michael EMCOM Ltd  
*G: yes U:* *MCC:*

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

**TS 04.73 Malicious Call Identification (MCID); Stage 3**

R96 *current version:* none  
*freeze\_meeting:* smg-22  
*history (event, available, version,*

*WG (prime / other):* / *rapporteur:* VAN DER AREND, Koninklijke KPN N.V.  
*G: yes U:* *MCC:*

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

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<b>TS 04.78</b>	<b>Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 3</b>				
R96	<i>current version:</i> none <i>freeze_meeting:</i> smg-22 <i>history (event, available, version,</i>	<i>WG (prime / other):</i> / <i>G: yes U:</i>	<i>rapporteur:</i> VAN DER AREND, <i>MCC:</i>		Koninklijke KPN N.V.
				<i>remarks - general:</i> <i>remarks - this release:</i> .	
<hr/>					
<b>TS 04.79</b>	<b>Support of optimal routing; Stage 3</b>				
R96	<i>current version:</i> none <i>freeze_meeting:</i> smg-22 <i>history (event, available, version,</i>	<i>WG (prime / other):</i> / <i>G: yes U:</i>	<i>rapporteur:</i> VAN DER AREND, <i>MCC:</i>		Koninklijke KPN N.V.
				<i>remarks - general:</i> <i>remarks - this release:</i> .	
<hr/>					
<b>TS 04.98</b>	<b>New barring services; Stage 3</b>				
R96	<i>current version:</i> none <i>freeze_meeting:</i> smg-22 <i>history (event, available, version,</i>	<i>WG (prime / other):</i> / <i>G: yes U:</i>	<i>rapporteur:</i> VAN DER AREND, <i>MCC:</i>		Koninklijke KPN N.V.
				<i>remarks - general:</i> <i>remarks - this release:</i> .	
<hr/>					
<b>TS 04.99</b>	<b>Direct subscriber access and restriction; Stage 3</b>				
R96	<i>current version:</i> none <i>freeze_meeting:</i> smg-22 <i>history (event, available, version,</i>	<i>WG (prime / other):</i> / <i>G: yes U:</i>	<i>rapporteur:</i> VAN DER AREND, <i>MCC:</i>		Koninklijke KPN N.V.
				<i>remarks - general:</i> <i>remarks - this release:</i> .	

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<b>TS 05.00</b> R96	<b>Service to GSM handportables in trains</b> <i>current version: none</i> <i>freeze_meeting: smg-22</i> <i>history (event, available, version,</i>	<i>WG (prime / other): - /</i> <i>G: yes U:</i>	<i>rapporteur: VOSKAR, Paul</i> <i>MCC: ,</i>	NOKIA UK Ltd
			<i>remarks - general:</i> <i>remarks - this release: .</i>	
<b>TS 05.18</b> R96	<b>Hands free mobile station</b> <i>current version: none</i> <i>freeze_meeting: smg-22</i>  <i>history (event, available, version,</i>	<i>WG (prime / other): /</i> <i>G: yes U:</i>	<i>rapporteur: ANDERSEN, Niels</i> <i>Peter Skov</i> <i>MCC:</i>	MOTOROLA A/S
			<i>remarks - general:</i> <i>remarks - this release: .</i>	
<b>TS 05.19</b> R96	<b>Service to GSM handportables in trains</b> <i>current version: none</i> <i>freeze_meeting: smg-22</i>  <i>history (event, available, version,</i>	<i>WG (prime / other): /</i> <i>G: yes U:</i>	<i>rapporteur: WILTSHIRE, Timothy</i> <i>Robin</i> <i>MCC:</i>	Indicate persons who left Company and wait for new One
			<i>remarks - general:</i> <i>remarks - this release: .</i>	
<b>TR 05.20</b> R96	<b>Fast moving Mobile Station (study)</b> <i>current version: none</i> <i>freeze_meeting: smg-22</i> <i>history (event, available, version,</i>	<i>WG (prime / other): /</i> <i>G: yes U:</i>	<i>rapporteur: REINER, Michaël</i> <i>MCC:</i>	AEG Mobile Communications GmbH (AMC)
			<i>remarks - general:</i> <i>remarks - this release: .</i>	
<b>TS 05.30</b> R96	<b>General packet radio service requirements</b> <i>current version: none</i> <i>freeze_meeting: smg-22</i> <i>history (event, available, version,</i>	<i>WG (prime / other): /</i> <i>G: yes U:</i>	<i>rapporteur: CONRAD, Alan</i> <i>MCC:</i>	T-MOBILE DEUTSCHLAND
			<i>remarks - general:</i> <i>remarks - this release: .</i>	

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)

R96 07 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/07\\_series](http://www.3gpp.org/ftp/Specs/archive/07_series)

**TS 07.57 Mobile Station Application Execution Environment (MExE); Stage 3**  
R96 *current version:* none *WG (prime / other):* / *rapporteur:* CANDISH, John Xtempus Ltd  
*freeze\_meeting:* smg-22 *G:* yes *U:* *MCC:*  
*history (event, available, version,*  
*remarks - general:*  
*remarks - this release:* .

R96 08 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/08\\_series](http://www.3gpp.org/ftp/Specs/archive/08_series)

**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 *G:* yes *U:* *MCC:* THOMASEN, Gert  
*history (event, available, version,*  
smg-24 5 . 0 . 0 smg-26: withdrawn *remarks - general:*  
*remarks - this release:* .

**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 *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:* .

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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[http://www.3gpp.org/ftp/Specs/archive/09\\_series](http://www.3gpp.org/ftp/Specs/archive/09_series)

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<b>TS 09.12</b>	<b>Application of ISUP Version 2 for the ISDN-PLMN (GSM) Signalling</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> SPA / N4	<i>rapporteur:</i> HÄNDIG, Peter		Telia Mobile AB
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i>		
	<i>history (event, available, version,</i>				
	draft (ETSI TC 10/11/1997 5 . 2 . 1	<a href="#">get it</a>	<i>remarks - general:</i> EN 300 646		
	SPS)		<i>remarks - this release:</i> .		
	draft (ETSI TC 18/05/1999 5 . 3 . 0	<a href="#">get it</a>			
	SPS)				
	SPS1 approval 21/05/1999 5 . 3 . 1	<a href="#">get it</a>			

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<b>TS 09.20</b>	<b>Support of Shared Data Interworking Function</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> /	<i>rapporteur:</i>		
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i>		
	<i>history (event, available, version,</i>				
			<i>remarks - general:</i>		
			<i>remarks - this release:</i> .		

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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>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> N4 / -	<i>rapporteur:</i> KYMALAINEN, Kimmo		SONERA Corporation
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> KYMALAINEN, Kimmo		
	<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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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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<b>TR 10.20</b>	<b>Lawful Interception requirements for GSM</b>				
R96	<i>current version:</i> none	<i>WG (prime / other):</i> S3 / -	<i>rapporteur:</i> MCKIBBEN, Bernie		MOTOROLA GmbH
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice		
	<i>history (event, available, version,</i>				
	smg-20 11/10/1996 5 . 0 . 0	<a href="#">get it</a>	<i>remarks - general:</i> Replaced by 01.33.		
	ETSI publication 20/01/1997 5 . 0 . 1	<a href="#">get it</a>	<i>remarks - this release:</i> SMG#20:5.0.0		

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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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<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>	SULTAN, Alain					
	<i>freeze_meeting:</i> smg-22	<i>G: yes U:</i>	<i>MCC:</i>	SULTAN, Alain					
	<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:</i> #25: (5.x.y withdrawn)					
	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	<i>G: yes U:</i>	<i>MCC:</i>	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	<i>G: yes U:</i>	<i>MCC:</i>	SULTAN, Alain					
	<i>history (event, available, version,</i>								
	smg-21	5 . 0 . 0	abandoned	<i>remarks - general:</i>					
				<i>remarks - this release:</i> May-2000: spec never produced; Sultan investigating the need. July-2001: scrap.					

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R96

11 .- series

Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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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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<b>TS 11.10-2</b>	<b>Mobile station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification</b>									
R96	<i>current version:</i> none <i>freeze_meeting:</i> smg-22			<i>WG (prime / other):</i> G5 / S1 / NP / T2 / SCP / G4	<i>rapporteur:</i> SALMERON, Lidia	TELEPLUS LIMITED				
	<i>history (event, available, version,</i>			<i>G: yes U:</i>	<i>MCC:</i> SALMERON, Lidia					
					<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 11.12</b>	<b>Specification on the 3 Volt subscriber identity module Equipment (SIM -ME) Interface</b>									
R96	<i>current version:</i> none <i>freeze_meeting:</i> smg-22			<i>WG (prime / other):</i> T3 / -	<i>rapporteur:</i> LINDHOLM, Rune	NOKIA MOBILE PHONES				
	<i>history (event, available, version,</i>			<i>G: yes U:</i>	<i>MCC:</i> DIETZE, Claus					
	25/01/1996 5 . 0 . 0			<a href="#">get it</a>	<i>remarks - general:</i>					
	SMG-16: withdrawn				<i>remarks - this release:</i> #16: 5.0.0 withdrawn					
<hr/>										
<b>TS 11.21</b>	<b>Base Station System (BSS) equipment specification; Radio aspects</b>									
R96	<i>current version:</i> none <i>freeze_meeting:</i> smg-22			<i>WG (prime / other):</i> G3 / -	<i>rapporteur:</i> VACANT,					
	<i>history (event, available, version,</i>			<i>G: yes U:</i>	<i>MCC:</i> USAI, Paolino					
	smg-22 13/06/1997 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>					
	smg-25 20/03/1998 5 . 2 . 0			<a href="#">get it</a>						
	smg-26 26/06/1998 5 . 3 . 0			<a href="#">get it</a>						
	smg-27 16/10/1998 5 . 4 . 0			<a href="#">get it</a>						
	Editorial correction 16/10/1998 5 . 4 . 1			<a href="#">get it</a>						
	GP-09 15/05/2002 5 . 5 . 0			<a href="#">get it</a>						
	withdrawn									

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R96

12 .- series

Server location: [http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

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[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> R96	<b>Security Management</b> <i>current version:</i> none <i>freeze_meeting:</i> smg-22	<i>WG (prime / other):</i> S5 / S1 / NP	<i>rapporteur:</i> TRUSS, Michael	MOTOROLA Ltd
	<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> R96	<b>Performance data measurements</b> <i>current version:</i> none <i>freeze_meeting:</i> smg-22	<i>WG (prime / other):</i> S5 / S1 / NP	<i>rapporteur:</i> TOCHE, Christian	NORTEL NETWORKS (EUROPE)
	<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> Ph2	<b>Definitions</b> <i>current version:</i> none <i>freeze_meeting:</i>	<i>WG (prime / other):</i> SP / -	<i>rapporteur:</i> VACANT,	
	<i>history (event, available, version,</i>	<i>G: yes U:</i>	<i>MCC:</i> POPE, Maurice	
			<i>remarks - general:</i>	
			<i>remarks - this release:</i> n.a.	

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Server WITHDRAWN specs Ph2 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 01.06 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:*  
*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:*  
*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: ,*  
*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 Teleca 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:withdrawn cos contains misleading information/references*  
*remarks - this release: #16: 4.0.0 TSG#9:withdrawn cos contains misleading information/references*

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[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 Teleca Limited  
*freeze\_meeting:* *G:* yes *U:* *MCC:* RODERMUND, Friedhelm  
*history (event, available, version,*  
ETSI publication 13/09/1994 4 . 1 . 2 [get it](#) *remarks - general:*  
ETSI OAP 06/03/1995 4 . 2 . 0 [get it](#) *remarks - this release:* #7: 4.1.0 #13: 4.2.0 #15: withdrawn  
ETSI publication 01/08/1995 4 . 2 . 1 [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):* G3 / - *rapporteur:* VACANT,  
*freeze\_meeting:* *G:* yes *U:* *MCC:* USAI, Paolino  
*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:*  
*history (event, available, version,*  
*remarks - general:*  
*remarks - this release:* .

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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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**TS 11.16** **Conformity Specifications for Transparent Facsimile Group 3 Adaptors**  
Ph2 *current version:* none *WG (prime / other):* / *rapporteur:* HOWELL, Andrew MOTOROLA Ltd  
*freeze\_meeting:* *G:* yes *U:* *MCC:*  
*history (event, available, version,*  
*remarks - general:*  
*remarks - this release:* .

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**TS 11.25** **The GSM Base Station System (BSS) Equipment specification Half-rate speech**  
Ph2 *current version:* none *WG (prime / other):* G3 / - *rapporteur:* VACANT,  
*freeze\_meeting:* *G:* yes *U:* *MCC:* USAI, Paolino  
*history (event, available, version,*  
*remarks - general:*  
*remarks - this release:* (no such spec)

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Ph2 **12** .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/12\\_series](http://www.3gpp.org/ftp/Specs/archive/12_series)

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**TS 12.07** **Public Land Mobile Network (PLMN) Quality of Service (QoS)**  
Ph2 *current version:* none *WG (prime / other):* - / - *rapporteur:*  
*freeze\_meeting:* *G:* yes *U:* *MCC:* ,  
*history (event, available, version,*  
draft 0 . 0 . 0 *remarks - general:* Title may have been "Network Management (NM); Part 3: Operations and  
*remarks - this release:* . performance management".

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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

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:  
history (event, available, version,

WG (prime / other): / rapporteur: ,  
G: yes U: MCC:

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:  
history (event, available, version,  
smg-01 06/05/1992 3 . 0 . 2

WG (prime / other): - / rapporteur: ,  
G: yes U: MCC:

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

### TS 02.08 Quality of Service (QoS) / GSM system performance

Ph1 current version: none  
freeze\_meeting:  
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

WG (prime / other): - / - rapporteur: TWINGLER, Jonas Northstream AB  
G: yes U: MCC: ,

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

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<b>TS 02.10</b>	<b>Provision of Telecommunication Services</b>				
Ph1	current version: none	WG (prime / other):	/ -	rapporteur:	,
	freeze_meeting:	G: yes U:		MCC:	
	history (event, available, version,				
				remarks - general:	
				remarks - this release:	.
<hr/>					
<b>TS 02.12</b>	<b>Licensing</b>				
Ph1	current version: none	WG (prime / other):	/ -	rapporteur:	,
	freeze_meeting:	G: yes U:		MCC:	
	history (event, available, version,				
				remarks - general:	
				remarks - this release:	.
<hr/>					
<b>TS 02.13</b>	<b>Subscription to the Services of a GSM PLMN</b>				
Ph1	current version: none	WG (prime / other):	/ -	rapporteur:	,
	freeze_meeting:	G: yes U:		MCC:	
	history (event, available, version,				
				remarks - general:	
				remarks - this release:	.
<hr/>					
<b>TS 02.14</b>	<b>Service Directory</b>				
Ph1	current version: none	WG (prime / other):	/	rapporteur:	,
	freeze_meeting:	G: yes U:		MCC:	
	history (event, available, version,				
				remarks - general:	
				remarks - this release:	.
<hr/>					
<b>TS 02.15</b>	<b>Circulation of mobile stations</b>				
Ph1	current version: none	WG (prime / other):	/	rapporteur:	,
	freeze_meeting:	G: yes U:		MCC:	
	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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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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## TS 02.21 Transferred account procedure and billing information

Ph1 *current version:* none

*freeze\_meeting:*

*history (event, available, version,*

Jan 1990 10/05/1994 3 . 3 . 0

? 10/05/1994 3 . 4 . 0

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

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

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

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Ph1 11 .- series Server location: [http://www.3gpp.org/ftp/Specs/archive/11\\_series](http://www.3gpp.org/ftp/Specs/archive/11_series)

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## TS 11.01 Mobile station type approval procedure principles (Candidate NET 10 part 1)

Ph1 *current version:* none

*freeze\_meeting:*

*history (event, available, version,*

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

*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,*

smg-01 3 . 6 . 0

smg-02 3 . 7 . 0

smg-03 3 . 8 . 0

smg-04 3 . 9 . 0

smg-05 3 . 10 . 0

smg-06 3 . 11 . 0

smg-07 3 . 12 . 0

smg-08 01/01/1995 3 . 13 . 0

smg-09 3 . 14 . 0

smg-10 3 . 15 . 0

smg-11 3 . 16 . 0

smg-12 3 . 17 . 0

smg-14 3 . 18 . 0

smg-17 01/01/1995 3 . 19 . 0

*WG (prime / other):* GP / NP *rapporteur:* VACANT,  
*G: yes U:* *MCC:* USAI, Paolino

*remarks - general:*

*remarks - this release:*

[get it](#)

[get it](#)

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

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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: ,

remarks - general: Title may have been "Network Management (NM); Part 3: Operations and  
remarks - this release: . performance management".

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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 22.234 (reserved for future WLAN I/w stage 1)**

current version: none

freeze\_meeting:

history (event, available, version,

WG (prime / other): S2 / - rapporteur: ,

G: U: yes MCC: SULTAN, Alain

remarks - general: Withdrawn: see conclusions (clause 7,3) of 22.934.

remarks - this release:

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

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Server WITHDRAWN specs 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 24.04U UMTS Interworking and internetworking signalling aspects; Interworking of UMTS with other systems**  
*current version: none*      *WG (prime / other):*      /      *rapporteur:*      ,  
*freeze\_meeting:*      *G:*      *U:*      *MCC:*  
*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