

Technical Specification Group Core Network  
Meeting #11, Palm Springs, USA, 14 – 16 March 2001  
Technical Specification Group Radio Access Network  
Meeting #11, Palm Springs, USA, 13 – 16 March 2001  
Technical Specification Group Terminals  
Meeting #11, Palm Springs, USA, 14 – 16 March 2001  
Technical Specification Group Services and System Aspects  
Meeting #11, Palm Springs, USA, 19 – 22 March 2001

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*TSGN#11(01)0026*

*TSGR#11(01)0178*

*TSGT#11(01)0051*

*TSGS#11(01)0066*

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

**Title:** CR-014 to 21.900: Inclusion of GSM spec numbering scheme

**Document for:** CN: information  
RAN: information  
T: information  
SA: approval

**Agenda Item:** CN: 13  
RAN: 10  
T: 7  
SA: 10

# CHANGE REQUEST

⌘ **21.900 CR 014** ⌘ rev **-** ⌘ Current version: **3.5.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

**Proposed change affects:** ⌘ (U)SIM  ME/UE  Radio Access Network  Core Network

<b>Title:</b>	⌘ Inclusion of GSM spec numbering scheme		
<b>Source:</b>	⌘ MCC		
<b>Work item code:</b>	⌘ TEI	<b>Date:</b>	⌘ 2001-03-08
<b>Category:</b>	⌘ F	<b>Release:</b>	⌘ R99
Use <u>one</u> of the following categories: <b>F</b> (essential correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (Addition of feature), <b>C</b> (Functional modification of feature) <b>D</b> (Editorial modification)		Use <u>one</u> of the following releases: <b>2</b> (GSM Phase 2) <b>R96</b> (Release 1996) <b>R97</b> (Release 1997) <b>R98</b> (Release 1998) <b>R99</b> (Release 1999) <b>REL-4</b> (Release 4) <b>REL-5</b> (Release 5)	
Detailed explanations of the above categories can be found in 3GPP TR 21.900.			

<b>Reason for change:</b>	⌘ Pre Rel-4 and Rel-4 onwards schemes not sufficiently described. Minor editorials.		
<b>Summary of change:</b>	⌘ Inclusion of GERAN-only numbering scheme specs		
<b>Consequences if not approved:</b>	⌘ FUD		

<b>Clauses affected:</b>	⌘ 4.0 ( et passim)		
<b>Other specs affected:</b>	<input type="checkbox"/> Other core specifications <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications	⌘	
<b>Other comments:</b>	⌘		

## How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at:  
[http://www.3gpp.org/3G\\_Specs/CRs.htm](http://www.3gpp.org/3G_Specs/CRs.htm). Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://www.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2000-09 contains the specifications resulting from the September 2000 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

# 3GPP TR 21.900 ~~V3.5.0~~3.6.0 (~~2000-12~~2001-03)

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*Technical Report*

## **3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Working mMethods (Release 1999)**



The present document has been developed within the 3<sup>rd</sup> Generation Partnership Project (3GPP™) and may be further elaborated for the purposes of 3GPP. The present document has not been subject to any approval process by the 3GPP Organisational Partners and shall not be implemented. This Specification is provided for future development work within 3GPP only. The Organisational Partners accept no liability for any use of this Specification. Specifications and reports for implementation of the 3GPP™ system should be obtained via the 3GPP Organisational Partners' Publications Offices.

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## Foreword

This Technical Report has been produced by the 3GPP.

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of this TR, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

Version x.y.z

where:

- x the first digit:
  - 1 presented to TSG for information;
  - 2 presented to TSG for approval;
  - 3 or greater indicates TSG approved document under change control.
- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
- z the third digit is incremented when editorial only changes have been incorporated in the specification;

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## 1A References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

3GPP TR 21.801 (v4): "3GPP drafting rules".

3GPP TR 21.905: "3G vocabulary".

3GPP TS 21.101 (v3): "3rd Generation mobile system Release 1999 Specifications".

3GPP TS 21.102 (v4): "3rd Generation mobile system Release 4 Specifications".

3GPP TS 41.102 (v4): "GSM Release 4 Specifications".

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## 4 Handling of Specifications

### 4.0 Numbering scheme

The specifications shall be numbered according to the following scheme:

3GPP TS aa.bbb —(for Technical Specifications); or

3GPP TR aa.bbb (for Technical Reports).

The fields aa and bbb shall be selected according to the nature of the specification as given in tables 1 and 2. The provisions of table 1 shall be strictly enforced, but those of table 2 should be used for guidance: it is acceptable to deviate from these provisions for backwards compatibility or other reasons.

Table 1: Specification number ranges aa

<u>Range for GSM up to and including Release 1999</u>	<u>Range for GSM Release 1999 onwards</u>	<u>Range for UMTS Release 1999 onwards</u>	Use	Remarks
<u>01.bb</u>	<u>41.bbb</u>	21.bbb	Requirements specifications	Often transient specifications containing requirements leading to other specifications; may become obsolete when technical solutions have been fully specified; they could then, e.g., be replaced by reports describing the performance of the system, they could be deleted without replacement, or be kept for historical reasons but treated as background material.
<u>02.bb</u>	<u>42.bbb</u>	22.bbb	Service aspects	Services, service features, building blocks or platforms for services (a service feature or service building block may provide certain generic functionality for the composition of a service, including the control by the user; a platform may comprise one or more network elements, e.g. UIM, mobile terminal, auxiliary system to the core network etc.); also appropriate stage 1 specifications; also reports defining services which can be realized by generic building blocks etc.
<u>03.bb</u>	<u>43.bbb</u>	23.bbb	Technical realization	Mainly stage 2 specifications (or specifications of a similar nature describing interworking over several interfaces, the behaviour in unexceptional cases, etc.).
<u>04.bb</u>	<u>44.bbb</u>	24.bbb	Signalling protocols (UE to CN)	Detailed and bit-exact stage 3 specifications of protocols between MS/UE and the Core Network.
<u>05.bb</u>	<u>45.bbb</u>	25.bbb	<u>UTRA-Radio access aspects</u>	25.1bb: UTRAN radio performance 25.2bb: UTRA layer 1 25.3bb: UTRA layers 2 & 3 25.4bb: UTRAN Iub, Iur & Iu interfaces
<u>06.bb</u>	<u>46.bbb</u>	26.bbb	Codecs	Speech and other codecs (video etc.).
<u>07.bb</u>	<u>47.bbb</u>	27.bbb	Data	Functions necessary to support data applications.
<u>08.bb</u>	<u>48.bbb</u>	28.bbb	Signalling protocols (RSS to CN)	Detailed and bit-exact stage 3 specifications of protocols between radio subsystem (eg BSS) and periphery of CN (eg MSC). (Not used in Release 1999.)
<u>09.bb</u>	<u>49.bbb</u>	29.bbb	Core Network signalling protocols	Detailed and bit-exact stage 3 specifications of protocols within the Core Network.
<u>10.bb</u>	<u>50.bbb</u>	30.bbb	Programme management	3 <sup>rd</sup> Generation Mobile System, project plans / project work programme and stand-alone documents for major work items.
<u>11.bb</u>	<u>51.bbb</u>	31.bbb	<u>SIM / UIM</u>	<u>Subscriber / User Identity Module (UIM)</u> and the interfaces between <u>UIM-it</u> and other entities.
<u>12.bb</u>	<u>52.bbb</u>	32.bbb	Charging and OAM&P (Operations, Administration, Maintenance & Provisioning)	Application of TMN for the 3GPP 3 <sup>rd</sup> Generation Mobile System and other functions for operation, administration and maintenance of a 3 <sup>rd</sup> Generation Mobile System network.
<u>13.bb</u>				<i>Regulatory test specifications. (Transferred from ETSI TC SMG to ETSI TC MSG.)</i>
		33.bbb	Security aspects	
		34.bbb	Test specifications	
		35.bbb	Algorithms	Specifications of encryption algorithms for confidentiality and authentication, etc.

Note: Column 1 refers to the original GSM specification series used up to Release 1999.  
 Column 2 refers to the specifications peculiar to GSM implementations for Release 4 onwards – that is, those specifications relating solely to GSM/EDGE radio access.  
 Column 3 refers to the specifications created by 3GPP for Release 1999 onwards implementations having a UTRAN radio access. Many of these are common to GSM/EDGE and UTRAN systems (see table 2).  
 Separate specifications list the specs required to implement Release 1999 onwards of GSM/EDGE and UTRAN systems (3GPP TSs 21.101, 21.102, 41.102).

Table 2: Specification number ranges bbb

Range	Use	Remarks
aa.bb	Specification applicable to pre-Release-4 GSM systems.	Continue to be maintained by 3GPP. Not propagated beyond Release 1999.
aa.0bb	Specifications applicable to both 2G (GSM) and 3G systems.	<p>aa in range 21 to 39:            For most specifications in this range for a given Release, a GSM specification numbered [aa - 20].[bb] will have existed for earlier Releases.            Example: 3GPP TS 28.032 replaces GSM 08.32 for Release 1999 onwards.</p> <p>aa in range 41 to 59:            Direct equivalent to aa.bb GSM specification for previous Releases.</p>
aa.1bb	Specification either (a) derived from earlier 2G (GSM) specification, but with technical modification; or (b) new specifications.	<p>aa in range 21 to 39:            For most specifications in this range for a given Release, a GSM specification numbered [aa - 20].[bbb - 100] will have existed for earlier Releases, and may continue to exist (in parallel) for the same Release.            Example: 3GPP TS 28.133 will have been based on GSM 08.33, but both specifications exist for Release 1999 onwards.</p> <p>aa in range 41 to 59:            New GSM specification for Release 4 or later.</p>
aa.2bb to aa.7bb	New specifications.	<p>Not, in general, derived from pre-Release-4 GSM predecessors.            NOTE: See table 0 for specific allocation within 25.bbb series.</p>
aa.8bb	Technical Reports not intended for publication.	Working documents of 3GPP Groups not intended to be transposed into publications by the Partner Organizations.
aa.9bb	Technical Reports intended for publication.	As distinct from those of the aa.8bb series.