

**TSG-RAN Meeting #15**  
**Jeju-do, Korea, 5 - 8 March 2002**

**RP-020096**

**Title:** Agreed CRs (Rel-5) for WI "Technical Enhancements and Improvements"

**Source:** TSG-RAN WG2

**Agenda item:** 9.9

Doc-1st-	Status-	Spec	CR	Rev	Phase	Subject	Cat	Version	Versio	Workite
R2-020424	agreed	25.307	004		Rel-5	Creation of Rel-5 specification	F	4.1.0	5.0.0	TEI5

CR-Form-v5

## CHANGE REQUEST

⌘ **25.307 CR 004** ⌘ rev **-** ⌘ Current version: **4.1.0** ⌘

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>	⌘ Creation of Rel-5 specification		
<b>Source:</b>	⌘ TSG-RAN WG2		
<b>Work item code:</b>	⌘ TEI5	<b>Date:</b>	⌘ 19 Feb 2002
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ REL-5
	<i>Use one of the following categories:</i> <b>F</b> (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) Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		<i>Use one of the following releases:</i> <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)

<b>Reason for change:</b>	⌘ A release 5 version of 25.307 has to be created. Currently, all bands are fully specified in the release 5 specifications and so 25.307 does need to specify any extra UE requirements.
<b>Summary of change:</b>	⌘ Sentence added to scope to state that no requirements are contained in this release of the specification.  UMTS 1800 and UMTS 1900 requirements are removed.
<b>Consequences if not approved:</b>	⌘ No release 5 version of 25.307

<b>Clauses affected:</b>	⌘ 1, 2, 4, 4.1, 4.1.1, 4.1.2, 5, 5.1, 5.1.1, 5.1.2		
<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://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 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.

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# 1 Scope

The present document specifies requirements on UEs supporting a frequency band that is independent of release. TSG-RAN has agreed that the standardisation of new frequency bands may be independent of a release. However, in order to implement a UE that conforms to a particular release but supports a band of operation that is specified in a later release, it is necessary to specify some extra requirements.

For example, UMTS 1800 is contained in the Release 5 specifications. In order to implement a UE conforming to Release '4 but supporting the 1800 MHz band, it is necessary for the UE to additionally conform to some parts of the Release 5 specifications, such as the radio frequency requirements for the 1800 MHz band and some signalling extensions relating to the UE radio access capabilities.

All frequencies bands are fully specified in this release of the specifications. The present document does not contain any requirements for UEs supporting frequency bands independent of release.

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# 2 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*.

[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

~~[2] 3GPP TS 25.101 (Release 5, version 5): "UE Radio Transmission and Reception (FDD)".~~

~~[3] 3GPP TS 25.331 (Release 5, version 5): "Radio Resource Control Protocol".~~

~~[4] 3GPP TS 25.331 (Release 4, version 4): "Radio Resource Control Protocol".~~

~~[5] 3GPP TS 25.101 (Release 4, version 4): "UE Radio Transmission and Reception (FDD)".~~

~~[6] 3GPP TS 25.133 (Release 4, version 4): "Requirements for Support of Radio Resource Management (FDD)".~~

~~[7] 3GPP TS 25.133 (Release 5, version 5): "Requirements for Support of Radio Resource Management (FDD)".~~

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# 3 Definitions and abbreviations

## 3.1 Definitions

For the purposes of the present document, the terms and definitions given in [1] apply.

## 3.2 Abbreviations

For the purposes of the present document, the following abbreviations apply:

FDD	Frequency Division Duplex
RRC	Radio Resource Control

UE

User Equipment

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## 4 VoidUMTS 1800 Independent of Release

UMTS 1800 is specified in Release 5 but is defined as a release independent frequency band. This approach aligns the UMTS 1800 band with other frequency bands when considering features that have to be supported in different releases.

### 4.1 VoidUMTS 1800 UE

UEs that conform to Release 4 and support the 1800 MHz frequency band shall support the following requirements in Release 5:

#### 4.1.1 VoidRF Requirements

The UE shall comply with the RF requirements for the 1800 MHz band specified in [2]. These requirements are:

Section 5: Frequency bands and channel arrangement;

Section 6: Transmitter characteristics;

Section 7: Receiver characteristics.

Other requirements for radio reception and transmission requirements are defined in [5].

The UE shall comply with the Radio Resource Management requirements for the 1800 MHz band specified in [7]. These requirements are:

Section 9.1: Measurement Performances for UE.

Other requirements for radio resource management are defined in [6].

#### 4.1.2 VoidSignalling Requirements

The UE shall support the following RRC extensions specified in [3]:

—The parameter value "UMTS1800" for the IE "FDD frequency band" contained within the IEs "UE radio access capability extension" and "Measurement capability extension". The UE shall use this parameter value in order to signal its radio access capabilities relating to the 1800 MHz band.

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## 5 VoidUMTS 1900 Independent of Release

UMTS 1900 is specified in Release 5 but is defined as a release independent frequency band. This approach aligns the UMTS 1900 band with other frequency bands when considering features that have to be supported in different releases.

### 5.1 VoidUMTS 1900 UE

UEs that conform to Release 4 and support the 1900 MHz frequency band shall support the following requirements in Release 5

#### 5.1.1 VoidRF Requirements

The UE shall comply with the RF requirements for the 1900 MHz band specified in [2]. These requirements are:

Section 5: Frequency bands and channel arrangement;

Section 6: Transmitter characteristics;

Section 7: Receiver characteristics.

~~Other requirements for radio reception and transmission requirements are defined in [5].~~

~~The UE shall comply with the Radio Resource Management requirements for the 1900 MHz band specified in [7].  
These requirements are:~~

~~Section 9.1:—Measurement Performances for UE.~~

~~Other requirements for radio resource management are defined in [6].~~

## 5.1.2 VoidSignalling Requirements

~~Release 4 contains the necessary signalling for the 1900 MHz frequency band [4].~~

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## Annex A (informative): Change history

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
09/2001	RP-13	RP-010557			Approved at TSG-RAN #13 and placed under Change Control	-	3.0.0
	RP-13	RP-010558	001	1	Correction to create Release 4	3.0.0	4.0.0
12/2001	RP-14	RP-010759	003		Inclusion of release independent RF related information	4.0.0	4.1.0