TSG-RAN Meeting #14
Kyoto, Japan, 11 - 14 December 2001

RP-010759

Title: **Agreed CRs (Release '99 and Rel-4 category A) to TS 25.307**

Source: **TSG-RAN WG2**

Agenda item: **8.2.3**

Doc-1st-	Status-	Spec	CR	Rev	Phase	Subject	Cat	Version	Versio
R2-012620	agreed	25.307	002		R99	Inclusion of release independent RF related information	F	3.0.0	3.1.0
R2-012621	agreed	25.307	003		Rel-4	Inclusion of release independent RF related information	A	4.0.0	4.1.0

CR-Form-v4

CHANGE REQUEST

| ⌘ | **25.307** CR **002** | ⌘ | ᵉᵛ | **-** | ⌘ | Current version: | **3.0.0** | ⌘ |

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

Title: ⌘	Inclusion of release independent RF related information	
Source: ⌘	TSG-RAN WG2	
Work item code: ⌘	Rlnlmp19, Rlnlmp18	***Date:*** ⌘ 2001-11-27

Category: ⌘ **F**	***Release:*** ⌘ R99

Use <u>one</u> of the following categories:
F (correction)
A (corresponds to a correction in an earlier release)
B (addition of feature),
C (functional modification of feature)
D (editorial modification)
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use <u>one</u> of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
REL-4 (Release 4)
REL-5 (Release 5)

Reason for change: ⌘	In RAN#13 is was agreed that TSG RAN WG4 will review and suggest necessary changes to make TS 25.307 complete.
Summary of change: ⌘	Inclusion of TS25.133 into TS25.307 References to RF and RRM sections added into UMTS1800 and UMTS1900 chapters.
Consequences if not approved: ⌘	TS 25.307 is not completed

Clauses affected: ⌘	2, 4.1.1, 5.1.1

Other specs affected: ⌘	☐ Other core specifications	⌘ 25.307 v4.0.0, CR 003
	X Test specifications	
	☐ O&M Specifications	

Other comments: ⌘	

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. 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.

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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.

Keywords

UMTS, radio

3GPP

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Contents

Foreword

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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 document.

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 '99 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.

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 '99, version 3): "Radio Resource Control Protocol".

[5]   3GPP TS 25.101 (Release '99, version 3): "UE Radio Transmission and Reception (FDD)".

[6]   3GPP TS 25.133 (Release '99, version 3): "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)"

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

4　UMTS 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　UMTS 1800 UE

UEs that conform to Release '99 and support the 1800 MHz frequency band shall support the following requirements in Release 5.

4.1.1　RF 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　Signalling 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.

5　UMTS 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.

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

5.1.2   Signalling Requirements

Release '99 contains the necessary signalling for the 1900 MHz frequency band [4].

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

CR-Form-v4

CHANGE REQUEST

| ⌘ | **25.307** CR **003** | ⌘ | ℞ev | **-** | ⌘ | Current version: | **4.0.0** | ⌘ |

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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]

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5.1.2   Signalling Requirements

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

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