TSG-RAN Meeting #6
Nice, France, 13 – 15 December 1999

TSGRP#6(99)826

Title: **Agreed CR of category "F" (Corrections) to TS 25.101**

Source: **TSG-RAN WG4**

Agenda item: **5.4.3**

TSG_DOC	SPEC	CR	RE	3G_P	SUBJECT	CAT	VERS_CUR	VERS_NEW
R4-99936	25.101	013		R99	Update of UE RF capabilities	F	3.0.0	3.1.0

3GPP TSG-4 meeting #9
Bath, UK, 7-10 Dec. 1999

Document R4-99936

3G CHANGE REQUEST

Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.

25.101 **CR** **013** Current Version: 3.0.0

3G specification number ↑ *↑ CR number as allocated by 3G support team*

For submision to TSG RAN#6 *list TSG meeting no. here ↑*

for approval [X]
for information [ ]

(only one box should be marked with an X)

Form: 3G CR cover sheet, version 1.0 *The latest version of this form is available from: ftp://ftp.3gpp.org/Information/3GCRF-xx.rtf*

Proposed change affects: *(at least one should be marked with an X)* USIM [ ] ME [X] UTRAN [ ] Core Network [ ]

Source: RAN WG4 **Date:**

Subject: Update of UE RF capabilities

3G Work item: UTRA

Category: *(only one category shall be marked with an X)*

F	Correction	X
A	Corresponds to a correction in a 2G specification	
B	Addition of feature	
C	Functional modification of feature	
D	Editorial modification	

Reason for change: UE RF capabilities need to be updated based on the latest specifications and to align UE Radio Access capabilities defined in RAN WG2.

Clauses affected: Annex F.

Other specs affected:

Other 3G core specifications	[ ]	→ List of CRs:
Other 2G core specifications	[ ]	→ List of CRs:
MS test specifications	[X]	→ List of CRs:
BSS test specifications	[ ]	→ List of CRs:
O&M specifications	[ ]	→ List of CRs:

Other comments:

help.doc

<--------- double-click here for help and instructions on how to create a CR.

Annex F (Informative): UE capabilities (FDD)

This section ~~is based on~~provides the UE capabilities related to 25.101.

Notes:

This section shall be aligned with -TR25.926, UE Radio Access Capabilities regarding FDD RF parameters. These RF UE Radio Access capabilities represent options in the UE, that require signalling to the network.

In addition there are options in the UE that do not require any signalling. They are designated as UE baseline capabilities, according to TR 21.904, Terminal Capability Requirements.

~~the LS sent to TSG-T2 on baseline terminal capabilities, which has been updated to take into account changes in UE radio requirement specifications TS25.101~~

~~F.1 Baseline Implementation Capabilities~~

~~Table E1: Baseline implementation capabilities~~

~~Capability FDD~~	**~~Section~~**	**~~UE*~~**	**~~Comments~~**
~~Chip rate 3.84 Mcps~~	~~5.1~~	~~M~~	
~~Frequency bands - 1920-1980, 2110-2170 MHz - Other spectrum~~	~~5.2~~	 ~~M~~ ~~O~~	 ~~As Declared~~
~~TX-RX Freq. Sep: - 190 MHz - Variable~~	~~5.3~~	 ~~M~~ ~~O~~	 ~~As Declared~~
~~Carrier raster~~	~~5.4~~	~~M~~	
~~UE maximum output power~~	~~6.2.1~~	~~M~~	~~At least one power class~~

~~(* M = mandatory, O = optional)~~

~~F.2 Service Implementation Capabilities~~

~~For further study.~~

Table F.1 provides the list of UE radio access capability parameters and possible values for 25.101

Table F.1: RF UE Radio Access Capabilities

	UE radio access capability parameter	**Value range**
FDD RF parameters	UE power class (25.101 section 6.2.1)	3, 4
	Tx/Rx frequency separation for frequency band a) (25.101 section 5.3) Not applicable if UE is not operating in frequency band a)	190 MHz, 174.8-205.2 MHz, 134.8-245.2 MHz

Table F.2 provides the UE baseline implementation capabilities for 25.101

Table F.2: UE RF Baseline Implementation Capabilities

UE implementation capability	**Value range**
Radio frequency bands (25.101 section 5.2)	a), b), a+b)