# TSG RAN Meeting #19 Birmingham, United Kingdom, 11 - 14 March, 2003

RP-030034

Title CRs (Rel-4 and Rel-5/Rel-6 Category A) to TS 25.133

Source TSG RAN WG4

Agenda Item 8.4.4

RAN4 Tdoc	Spec	CR	R	Cat	Rel	Curr Ver	Title	Work Item
R4-020114	25.133	525		F	Rel-4	4.7.0	UE rx-tx time difference type 1	TEI4
R4-020115	25.133	526		Α	Rel-5	5.5.0	UE rx-tx time difference type 1	TEI4
R4-020116	25.133	527		Α	Rel-6	6.0.0	UE rx-tx time difference type 1	TEI4

# 3GPP TSG RAN WG4 (Radio) Meeting #26

R4-030114

Madrid, Spain 17 - 22 February, 2003

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	CHANGE REQUEST												
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Proposed change affects: UICC apps# ME X Radio Access Network X Core Network													
Title:	€ UE	rx-tx ti	me diffe	rence ty	/pe 1								
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How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <a href="http://www.3gpp.org/specs/CR.htm">http://www.3gpp.org/specs/CR.htm</a>. Below is a brief summary:

- 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 <a href="ftp://ftp.3gpp.org/specs/">ftp://ftp.3gpp.org/specs/</a> 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.

### 9.1.9 UE Rx-Tx time difference

#### 9.1.9.1 UE Rx-Tx time difference type 1

NOTE: This measurement is used for call set up purposes to compensate propagation delay of DL and UL.

The measurement period in CELL\_DCH state is 100 ms.

#### 9.1.9.1.1 Measurement requirement

**Table 9.25** 

Parameter	Unit	Accuracy [chip]	Conditions		
raiametei	Onit	Accuracy [chip]	lo [dBm/3.84 MHz]		
UE RX-TX time difference	chip	± 1.5	-9450		

#### 9.1.9.1.2 UE Rx-Tx time difference type 1 measurement report mapping

The reporting range is for *UE Rx-Tx time difference type 1* is from 768 ... 1280 chip.

In table 9.26 the mapping of measured quantity is defined. The range in the signalling may be larger than the guaranteed accuracy range.

**Table 9.26** 

Reported value	Measured quantity value	Unit
RX-TX_TIME _768	UE Rx-Tx Time difference type 1< 768	chip
RX-TX_TIME _769	768 ≤ UE Rx-Tx Time difference type 1< 769	chip
RX-TX_TIME _770	769 ≤ UE Rx-Tx Time difference type 1< 770	chip
RX-TX_TIME _771	770 ≤ UE Rx-Tx Time difference type 1< 771	chip
RX-TX_TIME _1277	12766 ≤ UE Rx-Tx Time difference type 1< 12774	chip
RX-TX_TIME _1278	1277 ≤ UE Rx-Tx Time difference type 1< 1278	chip
RX-TX_TIME _1279	1278 ≤ UE Rx-Tx Time difference type 1< 1279	chip
RX-TX_TIME _1280	12 <u>7980</u> ≤ UE Rx-Tx Time difference type 1	chip

# 3GPP TSG RAN WG4 (Radio) Meeting #26

R4-030115

Madrid, Spain 17 - 22 February, 2003

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The measurement period in CELL\_DCH state is 100 ms.

#### 9.1.9.1.1 Measurement requirement

**Table 9.25** 

			Conditions					
			Band I	Band II	Band III			
Parameter	Unit	Accuracy [chip]	lo [dBm/3.84 MHz]	lo [dBm/3.84 MHz]	lo [dBm/3.84 MHz]			
UE RX-TX time difference	chip	± 1.5	-9450	-9250	-9150			

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RX-TX_TIME _1279	1278 ≤ UE Rx-Tx Time difference type 1< 1279	chip
RX-TX_TIME _1280	127980 ≤ UE Rx-Tx Time difference type 1	chip

## 3GPP TSG RAN WG4 (Radio) Meeting #26

R4-030116

Madrid, Spain 17 - 22 February, 2003

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