Title	**CRs (Rel-5 and Rel-6 Category A) to TS 25.133**
Source	**TSG RAN WG4**
Agenda Item	**7.4.5**

RAN4 Tdoc	Spec	CR	R	Cat	Rel	Curr Ver	Title	Work Item
R4-020486	25.133	583		F	Rel-5	5.6.0	Correction to Observed time difference to GSM cell requirement	TEI5
R4-020487	25.133	584		A	Rel-6	6.1.0	Correction to Observed time difference to GSM cell requirement	TEI5

CR-Form-v7

CHANGE REQUEST

⌘   **25.133** CR   **583** ⌘ **rev**   ⌘ Current version: **5.6.0** ⌘

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

Proposed change affects: UICC apps⌘ ☐   ME **X** Radio Access Network ☐   Core Network ☐

Title: ⌘	Correction to Observed time difference to GSM cell requirement	
Source: ⌘	RAN WG4	
Work item code:⌘	TEI5	*Date:* ⌘ 27/05/2003
Category: ⌘ **F**		*Release:* ⌘ Rel-5

Use one 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 one 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)
Rel-6   (Release 6)

Reason for change: ⌘	Currently the conditions for the requirement of the Observed time difference to GSM cell measurement are FFS.
Summary of change: ⌘	It is defined that the accuracy requirement of the Observed time difference to GSM cell measurement is valid in the conditions defined in the sub clause 8.1.2.5.2 of 25.133.
Consequences if not approved: ⌘	It is not clear when the accuracy requirement of the Observed time difference to GSM cell measurement is valid.

Clauses affected: ⌘	9.1.10.1

	Y	N		
Other specs affected: ⌘		X	Other core specifications ⌘	
	X		Test specifications	TS34.121
		X	O&M Specifications	

Other comments: ⌘	Equivalent CRs in other Releases: CR584 cat. A to 25.133 v6.1.0

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.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.

9.1.10　Observed time difference to GSM cell

NOTE:　This measurement is used to determine the system time difference between UTRAN and GSM cells.

The requirements in this section are valid for terminals supporting UTRA and GSM.

9.1.10.1　Measurement requirement

The measurement period for CELL_DCH state is equal to the maximum time between two successive BSIC re-confirmations for one particular GSM cell according to sub clause 8.1.2.5.2. The measurement period for CELL_FACH state is equal to the maximum time between two successive BSIC re-confirmations according to sub clause 8.4.2.5.2.

NOTE:　The conditions for which tThe accuracy requirement in table 9.29 is valid in the conditions defined in sub clause 8.1.2.5.2are FFS.

Table 9.29

Parameter	Unit	Accuracy [chip]	Conditions
Observed time difference to GSM cell	chipms	$\pm$ 20	

9.1.10.2　Observed time difference to GSM cell measurement report mapping

The reporting range is for *Observed time difference to GSM cell* is from 0 ... 3060/13 ms.

In table 9.30 the mapping of measured quantity is defined. The range in the signalling may be larger than the guaranteed accuracy range.

Table 9.30

Reported value	Measured quantity value	Unit
GSM_TIME _0000	0 $\leq$ Observed time difference to GSM cell < 1x3060/(4096x13)	ms
GSM_TIME _0001	1x3060/(4096x13) $\leq$ Observed time difference to GSM cell < 2x3060/(4096x13)	ms
GSM_TIME _0002	2x3060/(4096x13)$\leq$ Observed time difference to GSM cell < 3x3060/(4096x13)	ms
GSM_TIME _0003	3x3060/(4096x13) $\leq$ Observed time difference to GSM cell < 4x3060/(4096x13)	ms
…	…	…
GSM_TIME _4093	4093x3060/(4096x13) $\leq$ Observed time difference to GSM cell < 4094x3060/(4096x13)	ms
GSM_TIME _4094	4094x3060/(4096x13) $\leq$ Observed time difference to GSM cell < 4095x3060/(4096x13)	ms
GSM_TIME _4095	4095x3060/(4096x13) $\leq$ Observed time difference to GSM cell < 3060/13	ms

CR-Form-v7

CHANGE REQUEST

⌘	**25.133** CR	**584** ⌘ **rev**		⌘	Current version:	**6.1.0**	⌘

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Source: ⌘	RAN WG4	
Work item code: ⌘	TEI5	***Date:*** ⌘ 27/05/2003
Category: ⌘ **A**		***Release:*** ⌘ Rel-6

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Clauses affected: ⌘	9.1.10.1	

	Y	**N**		
Other specs affected: ⌘		X	Other core specifications ⌘	
	X		Test specifications	TS34.121
		X	O&M Specifications	

Other comments: ⌘	Equivalent CRs in other Releases: CR583 cat. F to 25.133 v5.6.0	

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GSM_TIME _4095	$4095 \times 3060/(4096 \times 13) \leq$ Observed time difference to GSM cell $< 3060/13$	ms