TSG-RAN Meeting #12
Stockholm, Sweden, 12 - 15 June 2001

TSGRP#12(01) 0386

Title: **Agreed CRs to TS 25.435**

Source: **TSG-RAN WG3**

Agenda item: **8.3.3/8.3.4**

Tdoc_Num	Specification	CR_Num	Revision_Num	CR_Subject	CR_Category	WG_Status	Cur_Ver_Num	New_Ver_Num	Workitem
R3-011410	25.435	040		Clarification of Timing Deviation for RACH/USCH	F	agreed	3.4.0	3.5.0	TEI
R3-011411	25.435	041		Clarification of Timing Deviation for RACH/USCH	A	agreed	4.0.0	4.1.0	TEI

3GPP TSG-RAN WG3 Meeting #20
Pusan, South Korea, May 21 – 25, 2001

Tdoc R3-011410

CR-Form-v3

CHANGE REQUEST

⌘ **25.435 CR 40** ⌘ rev ⌘ Current version: **3.4.0** ⌘

*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 ☐

Title:	⌘	Clarification of Timing Deviation for RACH/USCH
Source:	⌘	InterDigital
Work item code:	⌘	TEI
Date:	⌘	May 2001
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(essential 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)*

Reason for change:	⌘	The definition of the timing deviation measurement that is reported in the RACH/USCH frame protocol is ambiguous concerning cases where multiple physical layer bursts are used to transmit the user data.
Summary of change:	⌘	Clarify that the node B should take into account all of the physical burst which were used to transmit this data over the Uu interface.
Consequences if not approved:	⌘	If this CR was not approved confusion on whether multiple bursts are taken into account on this measurement. Backward Compatibility This CR is backward compatible.

Clauses affected:	⌘	6.2.7.6		
Other specs affected:	⌘	☒ Other core specifications ☐ Test specifications ☐ O&M Specifications	⌘	25.435 v4.0.0 CR 41
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.

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://www.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2000-09 contains the specifications resulting from the September 2000 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.

6.2.7.6 [TDD — Rx Timing Deviation]

Description: Measured Rx Timing Deviation as a basis for timing advance. This value should consider measurements made in all frames and all timeslots that contain the transport blocks in the payload. In case the *Timing Advance Applied* IE indicates "No" (see Ref. [6]) in a cell, the Rx Timing Deviation field shall be set to N = 0.

Value range: { -256 ... +256} chips.

{N*4 –256} chips ≤ RxTiming Deviation < {(N+1)*4 – 256} chips.

With N = 0, 1, .. ,127.

Granularity: 4 chips.

Field length: 7 bits.

3GPP TSG-RAN WG3 Meeting #20
Pusan, South Korea, May 21 – 25, 2001

Tdoc R3-011411

CR-Form-v3

CHANGE REQUEST

⌘ **25.435 CR 41** ⌘ rev ⌘ Current version: **4.0.0** ⌘

*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 **X** Core Network ☐

Title:	⌘	Clarification of Timing Deviation for RACH/USCH
Source:	⌘	InterDigital
Work item code:	⌘	TEI
Date:	⌘	May 2001
Category:	⌘	**A**
Release:	⌘	REL-4

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F *(essential correction)*
A *(corresponds to a correction in an earlier release)*
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REL-5	*(Release 5)*

Reason for change:	⌘	The definition of the timing deviation measurement that is reported in the RACH/USCH frame protocol is ambiguous concerning cases where multiple physical layer bursts are used to transmit the user data.
Summary of change:	⌘	Clarify that the node B should take into account all of the physical burst which were used to transmit this data over the Uu interface.
Consequences if not approved:	⌘	If this CR was not approved confusion on whether multiple bursts are taken into account on this measurement. Backward Compatibility This CR is backward compatible.

Clauses affected:	⌘	6.2.7.6		
Other specs affected:	⌘	**X** Other core specifications ☐ Test specifications ☐ O&M Specifications	⌘	25.435 v3.4.0 CR40
Other comments:	⌘			

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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.

6.2.7.6 [3.84 Mcps TDD — Rx Timing Deviation]

Description: Measured Rx Timing Deviation as a basis for timing advance. This value should consider measurements made in all frames and all timeslots that contain the transport blocks in the payload. In case the *Timing Advance Applied* IE indicates "No" (see Ref. [6]) in a cell, the Rx Timing Deviation field shall be set to N = 0.

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{N*4 –256} chips ≤ RxTiming Deviation < {(N+1)*4 – 256} chips.

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Granularity: 4 chips.

Field length: 7 bits.