TSG-RAN Meeting #10
Bangkok, Thailand, 6 - 8 December 2000

TSGRP#10(00)0625

Title: **Agreed CRs to TS 25.427**

Source: **TSG-RAN WG3**

Agenda item: **5.3.3**

Tdoc_Num	Specification	CR_Num	Revision_Nu	CR_Subject	CR_Categor	WG_Status	Cur_Ver_Nu	New_Ver_Nu
R3-002522	25.427	036		Invalid CFN value in control frames	F	agreed	3.4.0	3.3.0
R3-002802	25.427	037	1	Editorial correction Rx Timing Deviation control frame	F	agreed	3.4.0	3.5.0
R3-002628	25.427	038		Behaviour due to Timing Advance adjustment	F	agreed	3.4.0	3.5.0

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Document ***R3-002522***
e.g. for 3GPP use the format TP-99xxx
or for SMG, use the format P-99-xxx

CHANGE REQUEST

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

25.427	CR	36	Current Version:	3.4.0

GSM (AA.BB) or 3G (AA.BBB) specification number ↑ *↑ CR number as allocated by MCC support team*

For submission to:	TSG RAN #10	for approval	X	strategic		(for SMG use only)
list expected approval meeting # here ↑		for information		non-strategic		

Form: CR cover sheet, version 2 for 3GPP and SMG *The latest version of this form is available from: ftp://ftp.3gpp.org/Information/CR-Form-v2.doc*

Proposed change affects: *(at least one should be marked with an X)*	(U)SIM		ME		UTRAN / Radio	X	Core Network	

Source: R-WG3 **Date:** October 2000

Subject: Invalid CFN value in Control Frames

Work item:

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

F	Correction	X	**Release:**	Phase 2	
A	Corresponds to a correction in an earlier release			Release 96	
B	Addition of feature			Release 97	
C	Functional modification of feature			Release 98	
D	Editorial modification			Release 99	X
				Release 00	

The current TS version specifies that frames with invalid CFN values shall be ignored (CFN shall match to the start of the TTI of all combined transport channels, otherwise it is invalid).

This CR corrects that this shall be applied only to data frames, and not for control frames, which can be sent for all CFNs.

Consequences if not approved:
Control Frames are lost (ignored) in cases when the CFN is proper for control purposes (f.ex. synchronisation).

Clauses affected: 7.1

Other specs affected:

Other 3G core specifications		→ List of CRs:	
Other GSM core specifications		→ List of CRs:	
MS test specifications		→ 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

7.1 General

A Frame Protocol frame with illegal or not comprehended parameter value shall be ignored. Frame protocol frames sent with a CFN in which the radio resources assigned to the associated Iub data port are not available, shall be ignored.

Frame protocol data frames with CFN value that does not fulfil the requirement set in chapter [FDD - 4.2.14 of Ref [9]] [TDD - 4.2.12 of Ref. [10]], shall be ignored

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***Document* R3-002802**
e.g. for 3GPP use the format TP-99xxx
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CHANGE REQUEST

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25.427	CR	037r1	Current Version:	3.4.0

GSM (AA.BB) or 3G (AA.BBB) specification number ↑ *↑ CR number as allocated by MCC support team*

For submission to:	TSG RAN #10	For approval	X	strategic		(for SMG use only)
list expected approval meeting # here ↑		For information		non-strategic		

Form: CR cover sheet, version 2 for 3GPP and SMG *The latest version of this form is available from: ftp://ftp.3gpp.org/Information/CR-Form-v2.doc*

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

Source: R-WG3 **Date:** October 2000

Subject: Editorial correction Rx Timing Deviation control frame

Work item:

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

F	Correction	X	**Release:**	Phase 2	
A	Corresponds to a correction in an earlier release			Release 96	
B	Addition of feature			Release 97	
C	Functional modification of feature			Release 98	
D	Editorial modification			Release 99	X
				Release 00	

Reason for change:
This CR defines the position of the Rx Timing Deviation value by adding the spare bit position.
In addition the number of octets is corrected.

Consequences if this CR is not accepted:
Position of Rx Timing Deviation value in payload structure ambiguous since value can be positioned right or left.

Clauses affected: 6.3.3.7.1, 6.3.3.10.1

Other specs affected:

Other 3G core specifications	X	→ List of CRs:	25.435: CR035
Other GSM core specifications		→ List of CRs:	
MS test specifications		→ List of CRs:	
BSS test specifications		→ List of CRs:	
O&M specifications		→ List of CRs:	

Other comments:

6.3.3.7 Rx Timing Deviation

6.3.3.7.1 Payload structure

Figure below shows the structure of the payload when the control frame is used for the Rx timing deviation.

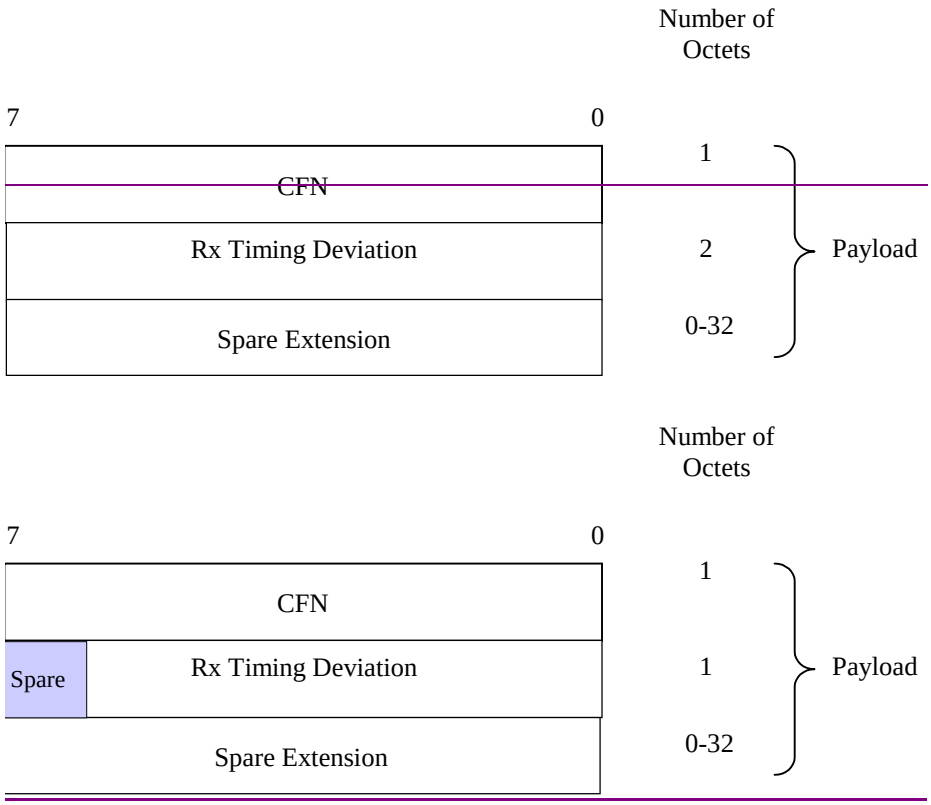

Figure 20: Structure of the payload for Rx timing deviation control frame

6.3.3.10 [TDD - Timing Advance]

6.3.3.10.1 Payload structure

Figure below shows the structure of the payload when the control frame is used for timing advance.

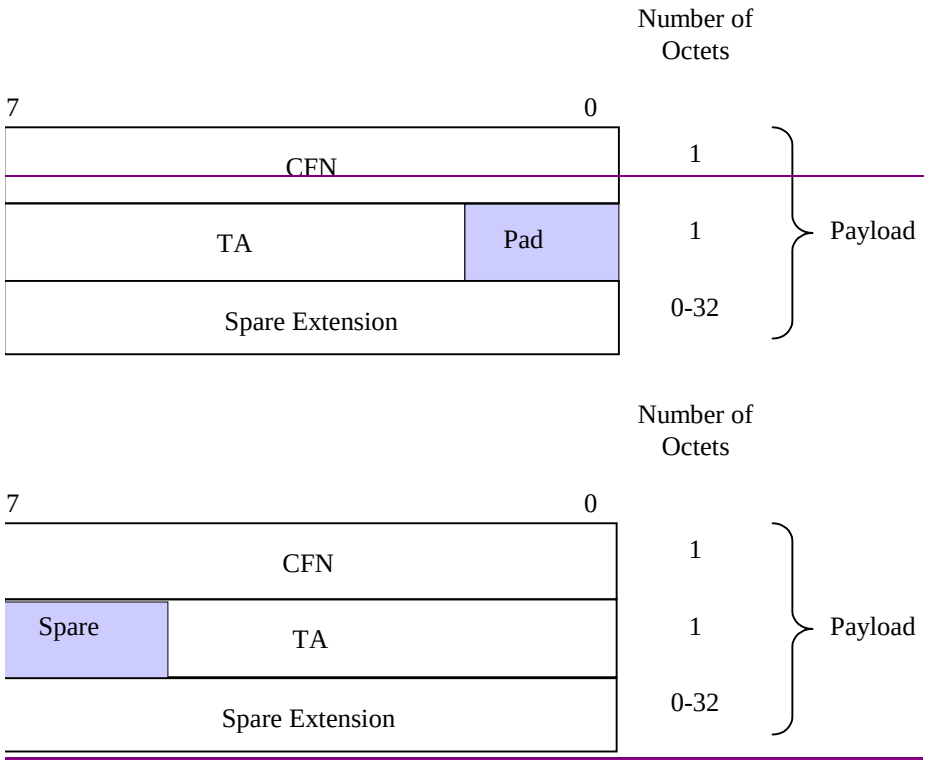

Figure 23: Structure of the Timing Advance control frame

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***Document* R3-002628**
e.g. for 3GPP use the format TP-99xxx
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CHANGE REQUEST

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25.427	CR	038	Current Version:	3.4.0

GSM (AA.BB) or 3G (AA.BBB) specification number ↑ *↑ CR number as allocated by MCC support team*

For submission to:	TSG RAN #10	For approval	X	strategic		(for SMG use only)
list expected approval meeting # here ↑		For information		non-strategic		

Form: CR cover sheet, version 2 for 3GPP and SMG *The latest version of this form is available from: ftp://ftp.3gpp.org/Information/CR-Form-v2.doc*

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

Source: R-WG3 **Date:** October 2000

Subject: Behaviour due to Timing Advance adjustment

Work item:

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

F	Correction	X	**Release:**	Phase 2	
A	Corresponds to a correction in an earlier release			Release 96	
B	Addition of feature			Release 97	
C	Functional modification of feature			Release 98	
D	Editorial modification			Release 99	X
				Release 00	

Reason for change:
Depending the Timing Advance Applied configuration which depends on the size of TDD cells, this CR describes the behaviour of the Node B for DCH data frames. This CR is necessary for consistent support of the Timing Advance adjustment in Node B.

Consequences if this CR is not accepted:
Node B behaviour not defined in case Timing Advance shall not be applied.

Clauses affected: 5.6

Other specs affected:	Other 3G core specifications	X	→ List of CRs:	25.433: CR278 25.435: CR033
	Other GSM core specifications		→ List of CRs:	
	MS test specifications		→ List of CRs:	
	BSS test specifications		→ List of CRs:	
	O&M specifications		→ List of CRs:	

Other comments:

5.6 Rx timing deviation measurement [TDD]

In case the *Timing Advance Applied* IE indicates "Yes" (see Ref. [4]) in a cell, ~~The~~ the Node B shall, for all UEs using DCHs, monitor the receive timing of the uplink DPCH bursts arriving over the radio interface, and shall calculate the Rx Timing Deviation. If the calculated value, after rounding, is not zero, it shall be reported to the SRNC in a RX TIMING DEVIATION Control Frame belonging to that UE. For limitation of the frequency of this reporting, the Node B shall not send more than one RX TIMING DEVIATION Control Frame per UE within one radio frame.

If the *Timing Advance Applied* IE indicates "No" (see Ref. [4]) in a cell, monitoring of the receive timing of the uplink DPCH bursts is not necessary and no RX TIMING DEVIATION Control Frame shall be sent.

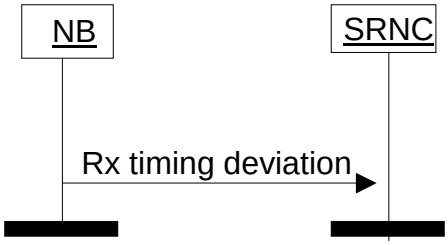

Figure 7: Rx timing deviation