Technical Specification Group Radio Access Network
Marco Island, USA 4 - 7 June 2002

RP#16(02) 0425

TSG_Doc_Num	Specification	CR_Num	Revision_Num	3G_Release	CR_Subject	CR_Category	Cur_Ver_Num	New_Ver_Num	Tdoc_Num	WorkItem
RP-020425	25.878	001	1	Rel-5	Correction of reference to a RAN4 specification	F	5.0.0	5.1.0	R3-021591	RANimp-RLTA

3GPP TSG-RAN3 Meeting #29
Gyeongju, Korea, 13th – 18th May, 2002

R3-021591

CR-Form-v4

CHANGE REQUEST

⌘ **25.878** **CR** **001** ⌘ ev **1** ⌘ Current version: **5.0.0** ⌘

*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:	⌘	Correction of reference to a RAN4 specification
Source:	⌘	RR-WG3
Work item code:	⌘	RANimp-RLTA
Date:	⌘	May, 2002
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)*

Reason for change:	⌘	In RAN3 #28 it was mentioned that there is a need to clarify TR 25.878 in order to cope with an update occurred in TS 25.133, which appears to be quoted in the technical report. Although the assumption made by referencing an out-of-date part of 25.133 has no impact and no consequence on the solution RAN3 adopted regarding to the WI 'RL Timing Adjustment' it was agreed to replace such text with a reference to the latest version of 25.133.
Summary of change:	⌘	The current text referring to 25.133 was removed and a reference to 25.133 was added. R1: update to the cover sheet's reason for change to indicate that the reference is not to 5.1.0 but to the latest version of 25.133(the affected sentence is highlighted).
Consequences if not approved:	⌘	An outdated reference would persist in 25.878. The present change does not influence the RL Timing adjustment mechanism specified in RAN3/RAN2 TSs.

Clauses affected:	⌘	2, 6.3
Other specs affected:	⌘	☐ Other core specifications ⌘ ☐ Test specifications ☐ O&M Specifications
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://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

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.
- A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.

[1.] Work Item Description: “Radio Link Timing Adjustment” RP-010261, submitted at TSG RAN#11.

[2.] 3GPP TS 25.133: "Requirements for support of Radio Resource management (FDD)".

6.3 Description of timing mechanisms

Fig. 1 shows the timing relationship between DL DPCH and UL DPCH at UE side when UE moves from Cell 1 area to Cell 2 through the handover region. As it is shown in Fig. 1, it can be assumed that the time difference between DL DPCH and UL DPCH is T0 (1024chips). When the UE moves from Cell 1 area to the handover region, the time when DL DPCH arrives at UE is delayed as shown in Fig. 1. UE may adjust the UL DPCH transmission time to keep the T0 time offset but the requirement described in [2]~~TS25.133~~ should be fulfilled. ~~The requirement in TS25.133 is as follows:~~

~~------------------------------- TS 25.133 v3.5.0/v4.0.0 --~~

~~2002.2.ˆ .˜ UE Transmit Timing~~

~~2002.2.1.˜ Requirements~~

~~[partially omitted]~~

~~The UE shall be capable of changing the transmission timing according the received downlink DPCCH/DPDCH frame. The maximum amount of the timing change in one adjustment shall be ¼ Chip.~~

~~The minimum adjustment rate shall be 233ns per second. The maximum adjustment rate shall be ¼ chip per 200ms. In particular, within any given 200 ms period, the UE transmit timing shall not change in excess of +-1/4 chip from the timing at the beginning of this 200ms period.~~

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