TSG-RAN Meeting #13
Beijing, China, 18 - 21, September, 2001

RP-010527

Title: **Agreed CR (Rel-4) to TS 25.214**

Source: **TSG-RAN WG1**

Agenda item: 8.1.4

No.	Spec	CR	Rev	R1 T-doc	Subject	Release	Cat	W/I Code	V_old	V_new
1	25.214	195	1	R1-01-0904	Enhanced PDSCH power control clarification	REL-4	F	RlnImp-DSCHsho	4.1.0	4.2.0

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CR-Form-v4

CHANGE REQUEST

⌘	**25.214** CR **195**	⌘ rev	**1**	⌘ Current version:	**4.1.0**	⌘

*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: ⌘	Enhanced PDSCH power control clarification

Source: ⌘	TSG RAN WG1

Work item code: ⌘	RInImp-DSCHsho	*Date:* ⌘	30-08-2001

Category: ⌘	**F**		*Release:* ⌘	REL-4

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: ⌘	The offset applied on the Iub interface has negative range, so that unlike intended reducing the negative offset would inly increase power, thus the wording is corrected. With the current description some sentences are also a bit unclear and might be interpreted in different ways in the worst case.

Summary of change: ⌘	The definition of primary/non-primary case is lcarified and the use of (negative) offset for the primary case is indicated to be used reducing the power level.

Consequences if not approved: ⌘	Possibility for incorrect interpretation is retained in the specification.

Clauses affected: ⌘	5.2.2

Other specs Affected: ⌘	☐ Other core specifications ⌘ ☐ Test specifications ☐ O&M Specifications	

Other comments: ⌘	

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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 relevant to the change request

5.2.2 PDSCH

The PDSCH power control can be based on the following solutions, which are selectable, by the network:

- Inner-loop power control based on the power control commands sent by the UE on the uplink DPCCH.

- Slow power control.

UTRAN may use the SSDT signalling to determine what power offset to use for PDSCH with respect to the associated downlink DCH when more than one cell may be in the active set.

The PDSCH power offset value to be used with respect to the associated DCH depends on whether the cell transmitting PDSCH is determined to be a primary one or not.

The SSDT commands sent by the UE are averaged in UTRAN side over one or more frames. The averaging window length parameter as the number of frames to average over, *SSDT_aveg_window*, and the parameter for the required number of received primary SSDT commands, *SSDT_primary_commands*, during the averaging window for declaring primary status at a Node Bfor a cell are given by UTRAN.

If the number of primary ID codes in the uplink received during the averaging window is less than the parameter *SSDT_primary_commands*, then Node Ba cell shall consider itself as non-primary and uses the power offset given from UTRAN to the Node Bcell with the data for the PDSCH.

If the number of primary ID codes in the uplink received during the averaging window is equal or more than the parameter *SSDT_primary_commands* defines, the cell shall use the power control parameterisation for the primary case. WhenIf the Node Bcell is considers itself asa primary one, a it uses both the power offset for the PDSCH frame for the given UE and the *Enhanced DSCH Power Offset* parameter given by the UTRAN power offset given for the primary case. is subtracted from the power value for the PDSCH frame for the given UE.