TSG-RAN Working Group 1 meeting #15   **TSGR1#15(00)1130**
Berlin, Germany
August 22 –25, 2000

Agenda item: AH 99
Source: InterDigital Communications Corporation
Title: Editorial corrections to the "DPSCH, PUSCH" section in 25.224. CR-034r1

Document for: Decision

This CR:
1. Corrects the definition of SIR_{target} - SNR is replaced with SIR.
2. Corrects a typo – removes a period in a middle of the sentence.

CHANGE REQUEST

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

25.224	**CR**	**034r1**	Current Version:	3.3.0

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

For submission to: **RAN #9**   for approval **X**   strategic ☐   *(for SMG*
list expected approval meeting # here for information ☐   non-strategic ☐   *use only)*
↑

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

Source:	InterDigital Comm. Corp.	**Date:**	August 23, 2000

Subject: Editorial corrections in section "DPCH, PUSCH"

Work item: 25.224

Category: F   Correction   **X**   **Release:**   Phase 2   ☐
              A   Corresponds to a correction in an earlier release ☐   Release 96   ☐
(only one category   B   Addition of feature   ☐   Release 97   ☐
shall be marked   C   Functional modification of feature   ☐   Release 98   ☐
with an X)   D   Editorial modification   ☐   Release 99   **X**
                                                                              Release 00   ☐

Reason for change: The definition of SIR$_{TARGET}$, is incorrect, SNR should be replaced with SIR.

Clauses affected: 4.2.2.3

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.

4.2.2.3 DPCH, PUSCH

After the synchronisation between UTRAN and UE is established, the UE transits into open-loop transmitter power control (TPC).
The transmitter power of UE shall be calculated by the following equation:

$$P_{UE} = \alpha L_{P\text{-}CCPCH} + (1-\alpha)L_0 + I_{BTS} + SIR_{TARGET} + \text{Constant value}$$

where

P_{UE}:   Transmitter power level in dBm.

$L_{P\text{-}CCPCH}$:   Measure representing path loss in dB (reference transmit power is broadcast on BCH).

L_0:   Long term average of path loss in dB.

I_{BTS}:   Interference signal power level at cell's receiver in dBm, which is broadcast on BCH.

α: may be a time slot calculated at the UE. α is a weighting parameter which represents the quality of path loss measurements. α function of the time delay between the uplink time slot and the most recent down link containing a physical channel that provides the beacon function, see [8]. α is An example for calculating α as a function of the time delay is given in annex A.1.

SIR_{TARGET}:   Target ~~SNR~~ SIR in dB. A higher layer outer loop adjusts the target SIR.

Constant value: This value shall be set by higher Layer (operator matter)~~.~~ and is broadcast on BCH.

If the midamble is used in the evaluation of $L_{P\text{-}CCPCH}$ and L_0, and the Tx diversity scheme used for the P-CCPCH involves the transmission of different midambles from the diversity antennas, the received power of the different midambles from the different antennas shall be combined prior to evaluation of these variables.