**TSG-RAN Meeting #6**                                    *TSGRP#6(99)701*
**Nice, France, 13 – 15 December 1999**

**Title:**        **Agreed CRs of category "B" (New features) to TS 25.225**

**Source:**        **TSG-RAN WG1**

**Agenda item:5.1.3**

| Spec | CR | Rev | Phase | Subject | Cat | Version-Current | Version-New | Doc |
|------|-----|-----|-------|---------|-----|-----------------|-------------|-----|
| 25.225 | 002 | 1 | R99 | Block STTD capability for P-CCPCH, TDD | B | 3.0.0 | 3.1.0 | R1-99k85 |

**NOTE: The source of this document is TSG-RAN WG1. The source shown on each CR cover sheet is the originating organisation.**

**TSG-RAN Working Group 1 meeting #9**
Dresden, Germany,
November 30 – December 3, 1999

***Document***  ***TSGR1#9(99)k85***

*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.*

| **25.225** | CR | **002r1** | Current Version: | 3.0.0 |
|---|---|---|---|---|

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

For submission to:    TSG RAN#6        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 **X**    UTRAN / Radio **X**    Core Network ☐
*(at least one should be marked with an X)*

| **Source:** | Motorola | | **Date:** | November 9th 99 |
|---|---|---|---|---|

**Subject:**    Block STTD capability for P-CCPCH, TDD component.

**Work item:**

**Category:**    F  Correction                                **Release:**  Phase 2  ☐
                      A  Corresponds to a correction in an earlier release                Release 96  ☐
*(only one category*   B  Addition of feature            **X**            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:**    Minor editorial modifications during AH01.

**Clauses affected:**    5.3

| **Other specs** | Other 3G core specifications | **X** | → List of CRs: | 25.221-001r2 |
|---|---|---|---|---|
| **affected:** | Other GSM core specifications | ☐ | → List of CRs: | 25.224-004r1 |
| | 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.

monitor is available, the UE may perform the measurements on the PCCPCH directly without prior SCH synchronisation.

## 4.4    Measurements for DCA

DCA is used to optimise the resource allocation by means of a channel quality criteria or traffic parameters. The DCA measurements are configured by the UTRAN. The UE reports the measurements to the UTRAN.

For DCA no measurements are performed in idle mode in the serving TDD cell.

When connecting with the initial access the UE immediately starts measuring the ISCP of time slots which are communicated on the BCH. The measurements and the preprocessing are done while the UTRAN assigns an UL channel for the UE for signalling and measurement reporting.

In connected mode the UE performs measurements according to a measurement control message from the UTRAN.

## 4.5    Measurements for timing advance

To update timing advance of a moving UE the UTRAN measures 'Received Timing Deviation', i.e. the time difference of the received UL transmission (PRACH, DPCH, PUSCH) in relation to its timeslot structure that means in relation to the ideal case where an UL transmission would have zero propagation delay. The measurements are reported to higher layers, where timing advance values are calculated and signalled to the UE.

# 5    Measurement abilities for UTRA TDD

In this chapter the physical layer measurements reported to higher layers. (this may also include UE internal measurements not reported over the air-interface) are defined.

## 5.1    UE measurement abilities

NOTE 1:   Measurements for TDD which are carried out on Primary CCPCH (P-CCPCH) can also be carried out on another CCPCH if it has the same constant power level as the P-CCPCH and no beamforming is used.

NOTE 2:   For those channels providing beacon function [6], the received power measurements are based on the sum of the received powers for midambles $m^{(1)}$ and $m^{(2)}$.

NOTE 32:   The UTRAN has to take into account the UE capabilities when specifying the timeslots to be measured in the measurement control message.

NOTE 43:   The RSCP can either be measured on the data part or the midamble of a burst, since there is no power offset between both. However, in order to have a common reference, the measurement on the midamble is assumed.

NOTE 54:   The line 'applicable for' indicates whether the measurement is applicable for inter-frequency and/or intra-frequency and furthermore for idle and/or connected mode.

### 5.1.1    P-CCPCH RSCP

| Definition | Received Signal Code Power, the received power on P-CCPCH of own or neighbour cell after despreading. The reference point for the RSCP is the antenna connector at the UE. |
|---|---|
| **Applicable for** | idle mode, connected mode (intra-frequency & inter-frequency) |
| **Range/mapping** | |