TSG-RAN Working Group 1 meeting #11
San Diego, USA
February 29 – March 03, 2000

***TSGR1#10(00)367***

**Agenda item:**

**Source:** Ericsson

**Title:** CR 25.214-081: Editorial improvement on SSDT power control section

**Document for:** Decision

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The specification text in section 5.2.1.4.4 of TS 25.214 is a bit ambiguous, therefore an editorial update is proposed to this section to improve the readability.

**3GPP TSG RAN WG1 Meeting #11**
**San Diego, USA, Feb 29 – Mar 03, 2000**

***Document ????9???***
*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.*

**25.214** **CR** **081** Current Version: 3.1.0

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

For submission to: TSG-RAN #7 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:** (U)SIM [ ] ME [X] UTRAN / Radio [X] Core Network [ ]
*(at least one should be marked with an X)*

**Source:** Ericsson **Date:** 2000-03-01

**Subject:** Editorial improvement on SSDT power control section

**Work item:**

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

| | | |
|---|---|---|
| F | Correction | |
| A | Corresponds to a correction in an earlier release | |
| B | Addition of feature | |
| C | Functional modification of feature | |
| D | Editorial modification | X |

**Release:**

| | |
|---|---|
| Phase 2 | |
| Release 96 | |
| Release 97 | |
| Release 98 | |
| Release 99 | X |
| Release 00 | |

**Reason for change:** The specification text in section 5.2.1.4.4 of TS 25.214 is a bit ambiguous, therefore an editorial update is proposed to this section to improve the readability.

**Clauses affected:** 5.2.1.4.4

**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

#### 5.2.1.4.4 Delivery of primary cell ID

The UE periodically sends the ID code of the primary cell via portion of the uplink FBI field assigned for SSDT use (FBI S field). A cell recognises its state as non-primary if the following conditions are fulfilled simultaneously:

- the received primary ID code does not match with the own ID code,
- the received uplink signal quality satisfies a quality threshold~~,~~ $Q_{th}$, a parameter defined by the network~~.~~,
- and~~,~~ when the use of uplink ~~link~~ compressed mode~~,~~ does not result~~s~~ in excessive levels of puncturing on the coded ID. The acceptable level of puncturing on the coded ID is less than (int)$N_{ID}/3$ symbols in the coded ID, ~~(~~where $N_{ID}$ is the length of the coded ID~~)~~.

Otherwise the cell recognises its state as primary.

The state of the cells (primary or non-primary) in the active set ~~with~~ is updated synchronously. If a cell receives the last portion of the coded ID in uplink slot #j, the state of cell is updated ~~-~~in downlink slot~~#{( (~~j+1+$T_{os}$) mod 15~~). W,~~ where $T_{os}$ is defined as a constant of 2 time slots. The updating of the cell state is not influenced ~~unchanged~~ by the operation of downlink compressed mode.

At the UE, the primary ID code to be sent to the cells is segmented into a number of portions. These portions are distributed in the uplink FBI S-field. The cell in SSDT collects the distributed portions of the primary ID code and then detects the transmitted ID. ~~Period~~ The period of the primary cell update depends on the settings of the code length and the number of FBI bits assigned for SSDT use as shown in table 5.

**Table 5: Period of primary cell update**

| Code length | The number of FBI bits per slot assigned for SSDT | |
|---|---|---|
| | 1 | 2 |
| "long" | 1 update per frame | 2 updates per frame |
| "medium" | 2 updates per frame | 4 updates per frame |
| "short" | 3 updates per frame | 5 updates per frame |