

CHANGE REQUEST

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

25.215 CR 053

Current Version: **3.2.0**

GSM (AA.BB) or 3G (AA.BBB) specification number ↑

↑ CR number as allocated by MCC support team

For submission to: **TSG-RAN #8** for approval
 list expected approval meeting # here ↑ for information

strategic (for SMG use only)
 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 UTRAN / Radio Core Network
 (at least one should be marked with an X)

Source: Ericsson **Date:** 2000-04-07

Subject: Editorial correction in TS 25.215

Work item:

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

Reason for change: Editorial correction of an erroneous section reference for the definition of T₀ in the measurement "SFN-CFN observed time difference".

Clauses affected: 5.2.9 SFN-CFN Observed time difference

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.

5.1.9 SFN-CFN observed time difference

Definition	<p>The SFN-CFN observed time difference to cell is defined as: $OFF \times 38400 + T_m$, where:</p> <p>$T_m = (T_{UE\text{Tx}} - T_0) - T_{Rx\text{SFN}}$, given in chip units with the range [0, 1, ..., 38399] chips</p> <p>$T_{UE\text{Tx}}$ is the time when the UE transmits an uplink DPCCCH/DPDCH frame.</p> <p>T_0 is defined in [1]TS-25.214-section 7.1.3.</p> <p>$T_{Rx\text{SFN}}$ is the time at the beginning of the neighbouring P-CCPCH frame received most recent in time before the time instant $T_{UE\text{Tx}} - T_0$ in the UE. If the beginning of the neighbouring P-CCPCH frame is received exactly at $T_{UE\text{Tx}} - T_0$ then $T_{Rx\text{SFN}} = T_{UE\text{Tx}} - T_0$ (which leads to $T_m = 0$).</p> <p>and</p> <p>$OFF = (SFN - CFN_{Tx}) \bmod 256$, given in number of frames with the range [0, 1, ..., 255] frames</p> <p>CFN_{Tx} is the connection frame number for the UE transmission of an uplink DPCCCH/DPDCH frame at the time $T_{UE\text{Tx}}$.</p> <p>SFN is the system frame number for the neighbouring P-CCPCH frame received in the UE at the time $T_{Rx\text{SFN}}$.</p> <p>In case the inter-frequency measurement is done with compressed mode, the value for the parameter OFF is always reported to be 0.</p> <p>In case that the SFN measurement indicator indicates that the UE does not need to read cell SFN of the target neighbour cell, the value of the parameter OFF is always be set to 0.</p> <p><i>Note: In Compressed mode it is not required to read cell SFN of the target neighbour cell.</i></p>
Applicable for	Connected Inter, Connected Intra
Range/mapping	<p>Time difference is given with the resolution of one chip with the range [0, ..., 9830399] chips. Time difference shall be reported in the unit SFN-CFN_TIME where:</p> <p>SFN-CFN_TIME_0000000: 0 chip \leq Time difference < 1 chip</p> <p>SFN-CFN_TIME_0000001: 1 chip \leq Time difference < 2 chip</p> <p>SFN-CFN_TIME_0000002: 2 chip \leq Time difference < 3 chip</p> <p>...</p> <p>SFN-CFN_TIME_9830397: 9830397 chip \leq Time difference < 9830398 chip</p> <p>SFN-CFN_TIME_9830398: 9830398 chip \leq Time difference < 9830399 chip</p> <p>SFN-CFN_TIME_9830399: 9830399 chip \leq Time difference < 9830400 chip</p>