

<h2 style="margin: 0;">CHANGE REQUEST</h2>		Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.
25.215	CR	010
GSM (AA.BB) or 3G (AA.BBB) specification number ↑		↑ CR number as allocated by MCC support team
For submission to: WG1 # 9 <small>list expected approval meeting # here ↑</small>		Current Version: V 3.0.0
for approval <input checked="" type="checkbox"/> for information <input type="checkbox"/>		strategic <input type="checkbox"/> non-strategic <input type="checkbox"/> <small>(for SMG use only)</small>

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: Lucent Technologies **Date:** 12 Nov 1999

Subject: New section 5.1.15 – Relative Timing Difference Between Cell and GPS for LCS

Work item: TS 25.215

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

Reason for change: Inclusion of UE measurement parameter to support assisted GPS LCS method

Clauses affected: 5.1.15

Other specs affected:	Other 3G core specifications <input type="checkbox"/> Other GSM core specifications <input type="checkbox"/> MS test specifications <input type="checkbox"/> BSS test specifications <input type="checkbox"/> O&M specifications <input type="checkbox"/>	→ List of CRs: → List of CRs: → List of CRs: → List of CRs: → List of CRs:	
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Other comments:

<----- double-click here for help and instructions on how to create a CR.

5.1.13 UE RxTx timing

Definition	The difference in time between the UE uplink DPCCH/DPDCH frame transmission and the first significant path, of the downlink DPCH frame from the measured radio link. Measurement shall be made for each cell included in the active set. Note: The definition of "first significant path" needs further elaboration.
Applicable for	Connected Intra
Range/mapping	Always positive.

5.1.14 Relative Timing Difference Between Cells for LCS

Definition	The relative timing difference between cell j and cell i. T_{LCSji} is defined as $T_{LCSji} = T_{CPICHrxj} - T_{CPICHrx_i}$, where: $T_{CPICHrxj}$ is the time when the UE receives one CPICH slot from cell j $T_{CPICHrx_i}$ is the time when the UE receives the CPICH slot from cell i that is closest in time to the CPICH slot received from cell j
Applicable for	Idle, Connected Intra, Connected Inter
Range/mapping	T_{LCS} is a signed value. The resolution of T_{LCS} is 0.5 chip and the range is [-1279...1280] chips.

5.1.15 Relative Timing Difference Between Cell and GPS for LCS

Definition	The relative timing difference between cell j and GPS network time. T_{GPSj} is defined as $T_{GPSj} = T_{CPICHrxj} - T_{GPSRj}$, where: <u>$T_{CPICHrxj}$ is the time when the UE receives one CPICH slot from cell j</u> <u>T_{GPSRj} is the time when the UE receives GPS time in cell j that is closest in time to the CPICH slot received from cell j</u>
Applicable for	Idle, Connected Intra, Connected Inter
Range/mapping	<u>T_{GPS} is a signed value. The resolution of T_{GPS} is 0.125 chip; T_{GPS} is held in a 64 bit register.</u>

5.2 UTRAN measurement abilities

The structure of the table defining a UTRAN measurement quantity is shown below:

Column field	Comment
Definition	Contains the definition of the measurement.
Range/mapping	Gives the range and mapping to bits for the measurements quantity.

