TSG-RAN Meeting #12
Stockholm, Sweden, 12-15, June, 2001

RP-010335

Title: **Agreed CRs (R99 and Rel-4 Category A) to TS 25.215**

Source: **TSG-RAN WG1**

Agenda item: **8.1.3**

No.	Spec	CR	Rev	R1 T-doc	Subject	Release	Cat	W / I Code	V_old	V_new
1	25.215	087	-	R1-01-0470	Renaming of LCS measurements	R99	F	TEI	3.6.0	3.7.0
2	25.215	088	-	R1-01-0470	Renaming of LCS measurements	REL-4	A	TEI4	4.0.0	4.1.0
3	25.215	089	1	R1-01-0625	Correction the TrCH BLER measurement	R99	F	TEI	3.6.0	3.7.0
4	25.215	090	1	R1-01-0625	Correction the TrCH BLER measurement	REL-4	A	TEI4	4.0.0	4.1.0

3GPP TSG RAN Meeting #12
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R1-01-0470

CR-Form-v4

CHANGE REQUEST

⌘ **25.215** **CR** **087** ⌘ rev **-** ⌘ Current version: **3.6.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: ⌘ (U)SIM ☐ ME/UE **X** Radio Access Network **X** Core Network ☐

Title:	⌘	Renaming of LCS measurements
Source:	⌘	TSG RAN WG1
Work item code:	⌘	TEI
Date:	⌘	2001-05-15
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
REL-4 (Release 4)
REL-5 (Release 5)

Reason for change:	⌘	In 25.302 V3.8.0, RAN2 has changed the naming for related LCS measurements from LCS to UE positioning.
Summary of change:	⌘	Rename the LCS related measurements to UE GPS Timing of Cell Frames for UE positioning and UTRAN GPS Timing of Cell Frames for UE positioning.
Consequences if not approved:	⌘	Naming of measurements in RAN1 and RAN2 is misaligned.

Clauses affected:	⌘	5.1.12, 5.2.9
Other specs affected:	⌘	☐ Other core specifications ⌘ ☐ Test specifications ☐ O&M Specifications
Other comments:	⌘	

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.htm. Below is a brief summary:

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2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

5.1.12 UE GPS Timing of Cell Frames for ~~LCS~~UE positioning

Definition	The timing between cell j and GPS Time Of Week. $T_{UE\text{-}GPSj}$ is defined as the time of occurrence of a specified UTRAN event according to GPS time. The specified UTRAN event is the beginning of a particular frame (identified through its SFN) in the first detected path (in time) of the cell j CPICH, where cell j is a cell within the active set. The reference point for $T_{UE\text{-}GPSj}$ shall be the antenna connector of the UE.
Applicable for	Connected Intra, Connected Inter

5.2.9 UTRAN GPS Timing of Cell Frames for ~~LCS~~UE positioning

Definition	$T_{UTRAN-GPSj}$ is defined as the time of the occurrence of a specified UTRAN event according to GPS Time Of Week. The specified UTRAN event is the beginning of the transmission of a particular frame in cell j (identified through its SFN), where cell j is a cell within the active set. The reference point for $T_{UTRAN-GPSj}$ shall be the Tx antenna connector.

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R1-01-0470

CR-Form-v4

CHANGE REQUEST

⌘ **25.215 CR 088** ⌘ rev **-** ⌘ Current version: **4.0.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: ⌘ (U)SIM ☐ ME/UE **X** Radio Access Network **X** Core Network ☐

Title:	⌘	Renaming of LCS measurements
Source:	⌘	TSG RAN WG1
Work item code:	⌘	TEI4
Date:	⌘	2001-05-15
Category:	⌘	**A**
Release:	⌘	REL-4

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
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Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
REL-4 (Release 4)
REL-5 (Release 5)

Reason for change:	⌘	In 25.302 V3.8.0, RAN2 has changed the naming for related LCS measurements from LCS to UE positioning.
Summary of change:	⌘	Rename the LCS related measurements to UE GPS Timing of Cell Frames for UE positioning and UTRAN GPS Timing of Cell Frames for UE positioning.
Consequences if not approved:	⌘	Naming of measurements in RAN1 and RAN2 is misaligned.

Clauses affected:	⌘	5.1.12, 5.2.9
Other specs affected:	⌘	☐ Other core specifications ⌘ ☐ Test specifications ☐ O&M Specifications
Other comments:	⌘	

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3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

5.1.12 UE GPS Timing of Cell Frames for ~~LCS~~UE positioning

Definition	The timing between cell j and GPS Time Of Week. $T_{UE\text{-}GPSj}$ is defined as the time of occurrence of a specified UTRAN event according to GPS time. The specified UTRAN event is the beginning of a particular frame (identified through its SFN) in the first detected path (in time) of the cell j CPICH, where cell j is a cell within the active set. The reference point for $T_{UE\text{-}GPSj}$ shall be the antenna connector of the UE.
Applicable for	Connected Intra, Connected Inter

5.2.9 UTRAN GPS Timing of Cell Frames for ~~LCS~~UE positioning

Definition	$T_{UTRAN-GPSj}$ is defined as the time of the occurrence of a specified UTRAN event according to GPS Time Of Week. The specified UTRAN event is the beginning of the transmission of a particular frame in cell j (identified through its SFN), where cell j is a cell within the active set. The reference point for $T_{UTRAN-GPSj}$ shall be the Tx antenna connector.

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Stockholm, Sweden, 12-15, June, 2001

R1-01-0625

CR-Form-v4

CHANGE REQUEST

⌘ **25.215 CR 089** ⌘ rev **1** ⌘ Current version: **3.6.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: ⌘ (U)SIM ☐ ME/UE **X** Radio Access Network **X** Core Network ☐

Title:	⌘	Correction the TrCH BLER measurement
Source:	⌘	TSG RAN WG1
Work item code:	⌘	TEI
Date:	⌘	24/05/2001
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
REL-4 (Release 4)
REL-5 (Release 5)

Reason for change:	⌘	Ambiguity on how to derive BLER estimation; inconsistency with 34.108
Summary of change:	⌘	Explicit description of BLER computation; correction to the applicability of BLER.
Consequences if not approved:	⌘	Potential inter-operability problems related to the RAB QoS setting; Inconsistency with other documents of the release 1999 specification.

Clauses affected:	⌘	5.1.6
Other specs affected:	⌘	☐ Other core specifications ⌘ ☐ Test specifications ☐ O&M Specifications
Other comments:	⌘	This CR is backward compatible with the 03-2001version of release 1999.

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3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

5.1.6 Transport channel BLER

Definition	Estimation of the transport channel block error rate (BLER). The BLER estimation shall be based on evaluating the CRC ~~on~~ of each transport block associated with the measured transport channel after RL combination. The BLER shall be computed over the measurement period as the ratio between the number of received transport blocks resulting in a CRC error and the number of received transport blocks. When either TFCI or guided detection is used, ~~BLER estimation is only required~~ the measurement "Transport channel BLER" may only be requested for a transport channel~~s~~ when the associated CRC size is non zero and at least one transport format in the associated transport format set includes at least one transport block. When neither TFCI nor guided detection is used, the measurement "Transport channel BLER" may only be requested for a transport channel when the associated CRC size is non zero and all transport formats in the associated transport format set include at least one transport block. ~~using CRC. In case of no TFCI is used all transport formats of a transport channel shall use CRC to enable BLER estimation for this transport channel. In connected mode the BLER shall be possible to measure on any transport channel.~~ The measurement "Transport channel BLER" does not apply to transport channels mapped on a S-CCPCH. The UE shall be able to perform the measurement "Transport channel BLER" on any transport channel configured such that the measurement "Transport channel BLER" can be requested as defined in this section. ~~If requested in idle mode it shall be possible to measure the BLER on transport channel PCH.~~
Applicable for	Idle, Connected Intra

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R1-01-0625

CR-Form-v4

CHANGE REQUEST

⌘ **25.215 CR 090** ⌘ rev **1** ⌘ Current version: **4.0.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: ⌘ (U)SIM ☐ ME/UE **X** Radio Access Network **X** Core Network ☐

Title:	⌘	Correction the TrCH BLER measurement
Source:	⌘	TSG RAN WG1
Work item code:	⌘	TEI4
Date:	⌘	24/05/2001
Category:	⌘	**A**
Release:	⌘	REL-4

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Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
REL-4 (Release 4)
REL-5 (Release 5)

Reason for change:	⌘	Ambiguity on how to derive BLER estimation; inconsistency with 34.108
Summary of change:	⌘	Explicit description of BLER computation; correction to the applicability of BLER.
Consequences if not approved:	⌘	Potential inter-operability problems related to the RAB QoS setting; Inconsistency with other documents of the release 4 specification.

Clauses affected:	⌘	5.1.6
Other specs affected:	⌘	☐ Other core specifications ⌘ ☐ Test specifications ☐ O&M Specifications
Other comments:	⌘	

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5.1.6 Transport channel BLER

Definition	Estimation of the transport channel block error rate (BLER). The BLER estimation shall be based on evaluating the CRC of each transport block associated with the measured transport channel after RL combination. The BLER shall be computed over the measurement period as the ratio between the number of received transport blocks resulting in a CRC error and the number of received transport blocks. When either TFCI or guided detection is used, the measurement "Transport channel BLER" may only be requested for a transport channel when the associated CRC size is non zero and at least one transport format in the associated transport format set includes at least one transport block. When neither TFCI nor guided detection is used, the measurement "Transport channel BLER" may only be requested for a transport channel when the associated CRC size is non zero and all transport formats in the associated transport format set include at least one transport block. The measurement "Transport channel BLER" does not apply to transport channels mapped on a S-CCPCH. The UE shall be able to perform the measurement "Transport channel BLER" on any transport channel configured such that the measurement "Transport channel BLER" can be requested as defined in this section. ~~Estimation of the transport channel block error rate (BLER). The BLER estimation shall be based on evaluating the CRC on each transport block after RL combination. BLER estimation is only required for transport channels using CRC. In case of no TFCI is used all transport formats of a transport channel shall use CRC to enable BLER estimation for this transport channel. In connected mode the BLER shall be possible to measure on any transport channel. If requested in idle mode it shall be possible to measure the BLER on transport channel PCH.~~
Applicable for	Idle, Connected Intra