

**TSG-RAN Meeting #14**  
**Kyoto, Japan, 11 - 14 December 2001**

**RP-010769**

**Title:** Agreed CRs (Rel-4) to TS 25.302

**Source:** TSG-RAN WG2

**Agenda item:** 8.2.4

Doc-1st-	Status-	Spec	CR	Rev	Phase	Subject	Cat	Version	Versio	Workite
R2-012490	agreed	25.302	117		Rel-4	UTRAN SFN-SFN observed time difference measurement	F	4.2.0	4.3.0	TEI4

CR-Form-v4

## CHANGE REQUEST

⌘ **25.302 CR 117** ⌘ ev **-** ⌘ Current version: **4.2.0** ⌘

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  Radio Access Network  Core Network

<b>Title:</b>	⌘ UTRAN SFN-SFN observed time difference measurement		
<b>Source:</b>	⌘ TSG-RAN WG2		
<b>Work item code:</b>	⌘ TEI4	<b>Date:</b>	⌘ 22nd Nov 2001
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ REL-4
	<i>Use one of the following categories:</i> <b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900.		<i>Use one of the following releases:</i> <b>2</b> (GSM Phase 2) <b>R96</b> (Release 1996) <b>R97</b> (Release 1997) <b>R98</b> (Release 1998) <b>R99</b> (Release 1999) <b>REL-4</b> (Release 4) <b>REL-5</b> (Release 5)

<b>Reason for change:</b>	⌘ The UTRAN SFN-SFN observed time difference measurement is a fundamental measurement in OTDOA positioning method. It is performed by Location Measurement Units (LMUs) at fixed positions in the network. UTRAN SFN-SFN observed time difference measurement measures the time between beginning of two frames (being closest in time to each other) from a reference and a neighbour cell. The measurement value is used to calculate the real time difference between transmission instants for these two Node B's. The real time difference is needed in order to determine a position estimate for the mobile.  UTRAN SFN-SFN observed time difference measurement is currently missing from specification 25.302 REL-4.
<b>Summary of change:</b>	⌘ A new UTRAN measurement item, SFN-SFN observed time difference, is added to 3GPP TS 25.302.
<b>Consequences if not approved:</b>	⌘ A fundamental measurement for the OTDOA positioning method will be missing from 3GPP TS 25.302.

<b>Clauses affected:</b>	⌘ 9.3.22 (new)		
<b>Other specs affected:</b>	<input type="checkbox"/> Other core specifications <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications	⌘	
<b>Other comments:</b>	⌘		

**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](http://www.3gpp.org/3G_Specs/CRs.htm). Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

- 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.

### 9.3.22 SFN-SFN Observed time difference

<u>Measurement</u>	<u>SFN-SFN observed time difference</u>
<u>Source</u>	<u>L1 (LMU)</u>
<u>Destination</u>	<u>RRC (RNC-UE positioning)</u>
<u>Reporting Trigger</u>	<u>On-demand, Periodic, On Modification</u>
<u>Description</u>	<u>Measured time between reception of signal from a specific reference UTRA cell and from a neighbour UTRA cell.</u>