

Technical Specification Group Services and System Aspects  
Meeting #10, Bangkok, Thailand, 11-14 December 2000

**TSGS#10(00)0625**

**Source:** SA WG3  
**Title:** CR to TS 33.107  
**Document for:** Approval  
**Agenda Item:** 7.3.3

The following CR was agreed at SA WG3 meeting #16 and is presented to TSG SA #10 for approval.

Spec	CR	Rev	Phase	Subject	Cat	Ver	WG	Meeting	S3 doc
33.107	001		R99	Addition of parameters to the X3-Interface	F	3.0.0	S3	S3-16	S3-000763

## CHANGE REQUEST

⌘ **33.107 CR 001** ⌘ rev **-** ⌘ Current version: **3.0.0** ⌘

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  Radio Access Network  Core Network

<b>Title:</b>	⌘ Addition of parameters to the X3-Interface		
<b>Source:</b>	⌘ SA WG3		
<b>Work item code:</b>	⌘	<b>Date:</b>	⌘ 2000-11-21
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ R99
Use <u>one</u> of the following categories: <b>F</b> (essential 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.		Use <u>one</u> 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:** ⌘ **3G TS 33.107** describes on an abstract level the interfaces X2, X1\_3 and X3 between 3GMS internal functional entities (FEs) and the LI specific FEs DF2 and DF3 as well as the information flow to be exchanged over these interfaces.

The interfaces HI2 and HI3 are regarded to be beyond the scope of the standardisation work of 3G TS 33.107, they are in the responsibility of regional or national standards. Regional or national standards (e.g. ETSI ES 201 671) on its part, describe the handover interfaces for the transmission of the results of a legal intercept from the network to the Law Enforcement Agencies (LEA). Like in 3G TS 33.107, abstract functional entities (IIF, MDF and LEMF) have been introduced to describe the function to be performed in the network and the equipment of the LEAs and the information flow between these functional entities up to the protocol level.

It is quite obvious that the information flow of the interfaces X2 and HI2 respectively X1\_3/X3 and HI3 needs to fit together, concerning the parameters itself and their encoding.

Although not all parameters defined in the regional/ national standards are deemed to be mandatory in the 3GMS standards, because most of them are contained in the HI3 information flow, the most important parameter to support unambiguous correlation of CC and IRI are missing in the current version of 33.107 In order to make the necessary information available at the DF3, it is proposed to add the following parameter to the X3 interface of 3G TS 33.107 (cl. 6.1.2):

- correlation number (IRI <-> CC);

The format and length of these parameters should correspond to those specified in the regional or national specifications, e.g. in ES 201 671. Attached is the proposal for the enhancement of cl. 6.1.2 of 3G TS 33.107.

Concerning the X2-interface, this parameter is already contained in the information flow (see e.g. 6.3.3.1)

**Summary of change:** ⌘

**Consequences if not approved:** ⌘ Misalignment between 33.107 and LI requirements specification.

<b>Clauses affected:</b>	⌘	6.1.2	
<b>Other specs affected:</b>	⌘	<input checked="" type="checkbox"/> Other core specifications	⌘ 03.33 CR002, CR003
		<input type="checkbox"/> Test specifications	
		<input type="checkbox"/> O&M Specifications	
<b>Other comments:</b>	⌘		

## 6.1.2 X3-interface

The following information needs to be transferred from the 3G MSC to the DF3 in order to allow the DF3 to perform its functionality:

- target identity (MSISDN, IMSI or IMEI); note 1
- signal indicator (direction indication; - Signal from target or signal to target); note 2
- the target location (if available) or the IAs in case of location dependent interception. note 1
- correlation information (IRI <-> CC);

note 1: for DF3 internal use only

note 2: e.g. integer, CC from target = 1, CC from other party = 2

Additional information may be provided if required by national laws as a national option.