3GPP TSG SA WG3 LI (SMG10 WPD)
Sophia Antipolis, France, 27-30 November 2000

Document S3-000747
e.g. for 3GPP use the format TP-99xxx
or for SMG, use the format P-99-xxx

CHANGE REQUEST

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

03.33	**CR**		Current Version:	8.0.0

GSM (AA.BB) or 3G (AA.BBB) specification number ↑ *↑ CR number as allocated by MCC support team*

For submission to: *list expected approval meeting # here ↑*	for approval	X	strategic		*(for SMG use only)*
	for information		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: *(at least one should be marked with an X)* (U)SIM [ ] ME [ ] UTRAN / Radio [ ] Core Network [X]

Source: Reg TP Germany **Date:** 2000-11-16

Subject: Addition of parameters to the X3-Interface

Work item: Lawful Interception stage 2

Category: *(only one category Shall be marked With an X)*

F	Correction		**Release:**	Phase 2	
A	Corresponds to a correction in an earlier release			Release 96	
B	Addition of feature			Release 97	
C	Functional modification of feature	X		Release 98	X
D	Editorial modification			Release 99	
				Release 00	

Reason for change:

GSM 03.33 describes on an abstract level the interfaces X2, X1_3 and X3 between GSM 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 X0_2 and X0_3 are regarded to be beyond the scope of the standardisation work of GSM 03.33, they are in the responsibility of regional or national standards.

Regional or national standards (e.g. ETSI ES 201 671~~-~~) on its part, describe~~s~~ the handover interfaces for the transmission of the results of a legal intercept from the network to the Law Enforcement Agenecies (LEA). Like in 03.33, abstract functional entities (IIF, MDF and LEMF) have been introduced to describe

1. the function to be performed in the network and the equipment of the LEAs and
2. 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 X0_2 e.g. HI2) respectively X1_3/X3 and X0_3 (e.g. 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 parameters to support unambiguous correlation of CC and IRI and the indication, whether the CC contains the sending or receiving signal of the target are missing in the current version of 03.33 In order to make the necessary information available at the DF3, it is proposed to add the following parameters to the X3 interface of 03.33 (cl. 6.1.3):

1. correlation number (IRI <-> CC);
2. direction indication;

The format and length of these parameter 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. 6.1.3 of GSM 03.33.

Clauses affected: 6.1.3

Other specs Affected:	Other 3G core specifications	X	→ 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.

6.1.3 X3-interface

The following information needs to be transferred from the MSC/VLR or the GMSC to the DF3 in order to allow the DF3 to perform its functionality:

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

note 1: for DF3 internal use only
~~note 2: Octet String (size (1..8))~~
~~note 3: Octet String (size (1..25)), format according to ITU-T E.164~~
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 national option~~.