Technical Specification Group Services and System Aspects   **TSGS#11(01)0136**
Meeting #11, Palm Springs, CA, USA, 19-22 March 2001

Source: **SA WG3**

Title: **1 Category C, Rel-5 CR to 33.106 version 3.1.0**

Document for: **Approval**

Agenda Item: **7.3.3**

The following CR was agreed at SA WG3 meeting #17 and is presented to TSG SA #11 for approval.

Spec	CR	Rev	Phase	Subject	Cat	Ver	WG	Meeting	S3 doc
33.106	003		Rel-5	Release 5 updates	B	3.1.0	S3	S3-17	S3-010107

CR-Form-v3

CHANGE REQUEST

| ⌘ | **33.106** CR **003** | ⌘ rev **-** ⌘ | Current version: | **3.1.0** | ⌘ |

*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 ☒

Title: ⌘	Release 5 updates	
Source: ⌘	SA WG3	
Work item code: ⌘	CSSPLIT	***Date:*** ⌘ 23.01.2001
Category: ⌘ **B**		***Release:*** ⌘ REL-5

Use <u>one</u> of the following categories:
F (essential 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 <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: ⌘	Inclusion of Lawful Interception requirements for Multimedia
Summary of change: ⌘	Inclusion of interception of MM service including the CSCF
Consequences if not approved: ⌘	Lack of interception of MM services.

Clauses affected: ⌘	3.3, 5.1.2, (new) 5.1.4, 5.2.1.1, 5.2.2.3, 5.5, 5.6

Other specs affected: ⌘	☐ Other core specifications ⌘	33.107
	☐ Test specifications	
	☐ O&M Specifications	

Other comments: ⌘	This CR shall be implemented to the version created after implementation of CRs to previous Releases of this specification

3.3 Abbreviations

For the purposes of the present document, the following abbreviations apply:

CC   Content of Communication
IA   Interception Area
IP   Internet Protocol
IRI   Intercept Related Information
LDI   Location Dependent Interception
LEA   Law Enforcement Agency
LEMF   Law Enforcement Monitoring Facility
3GMS   Third Generation Mobile Communications System
VHE   Virtual Home Environment

**NEXT MODIFIED SECTION **

5.1.2 General principles

3GMS shall provide access to the intercepted Content of Communications (CC) and the Intercept Related Information (IRI) of the mobile target on behalf of Law Enforcement Agencies (LEAs).

A mobile target in a given 3GMS can be a subscriber of that 3GMS, or a user roaming from another 3GMS or from any other network capable of using that 3GMS (such as a GSM or mobile satellite). The intercepted CC and the IRI can only be delivered for activities on that given 3GMS.

For interception, there needs to be a means of identifying the target, correspondent and initiator of the communication. Target Identities used for interception of CS and GPRS service shall be MSISDN, IMEI and IMSI. Target Identities for multi-media shall be SIP URL. Other target identities for multi-media are for further study. When network encryption, is introduced, it shall be a national option as to whether the network provides the CC to the agency decrypted or encrypted information provided with a key available to the agency. User provided end to end, encryption, encoding or compression cannot be removed by the network.

NEXT MODIFIED SECTION (new section)

5.1.4   Interception within the Home and Visited Network

The introduction of the Virtual Home Environment, VHE, means that significant portions of subscriber services can be executed in the home or visited network, regardless of where the target is physically located

The visited network shall intercept only those UMTS services that the visited network provides to the target subscriber. Furthermore, the visited network shall not be required to intercept services executed by the home network.

Based upon national regulations, UMTS services executed in the home network may be intercepted in the home network.

**NEXT MODIFIED SECTION **

5.2.1.1 Activation of LI

As a result of the activation (of a warrant) it shall be possible to request for the specified target, either IRI, or both the IRI and the CC the CC, the IRI or both, and and designate the LEA destination addresses for the delivery of the CC and IRI if required. These shall be selectable on a 3GMS basis according to national options.

**NEXT MODIFIED SECTION **

5.2.2.3   Correlation of information and product

When both IRI and CC are invoked, an unambiguous correlation shall be established between the two. The IRI and CC shall be delivered in as near real time as possible.

Note: clarification about correlation limitations during inter-PLMN call or session handovers is for further study.

Note: correlation techniques between multi-media IRI and CC is for further study.

**NEXT MODIFIED SECTION **

5.5   Charging aspects

The 3GMS may charge for intercept service~~require raising charges for lawful interception. However charging aspects are~~ subject to national laws and regulations. ~~Some c~~Charging mechanisms include the following:

- Use of network resources,

- Activation and deactivation of the target,

- Every intercept invocation,

- Flat rate.

The 3GMS shall be capable of producing intercept-charging data. It shall be possible to produce this data in such a way that access by non-authorised personnel or the target is precluded.

5.6   Minimum service requirements

Quality of service, capacity and reliability are the subject of bilateral agreement between the relevant authorities and the 3GMS operator. The QoS towards the delivery function provided by the network must be at least that the network provides to the target.

** END OF CHANGES**