3GPP TSG-SA WG3 Meeting #17
Gothenburg

S3-010060

CR-Form-v3

CHANGE REQUEST

⌘ **TS 33.106 CR xxx** ⌘ 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:	⌘	Update of Ts 33.106 for release 4
Source:	⌘	SA WG3 LI
Work item code:	⌘	Security
Date:	⌘	23.01.2001
Category:	⌘	**B**
Release:	⌘	Rel 4

Use one 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 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:	⌘	Update of intercept requirements based upon R4 services & latest alignment with ETSI TC Sec LI specifications
Summary of change:	⌘	Updates to delete CC only intercept, specification of R4 target Ids and QoS
Consequences if not approved:	⌘	Intercept system not aligned with R4 or latest ETSI TC Sec LI docs

Clauses affected:	⌘	5.1.2, 5.2.1.1, 5.2.2.2, 5.2.2.3, 5.5, 5.6		
Other specs affected:	⌘	☐ Other core specifications ☐ Test specifications ☐ O&M Specifications	⌘	33.107
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:

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://www.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2000-09 contains the specifications resulting from the September 2000 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.

5.1.2 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. 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.

Location Dependent Interception, (LDI) allows a 3GMS to service multiple interception jurisdictions within its service area. Multiple law agencies with their own interception areas can be served by the 3GMS. All the information or rules given for interception within a 3GMS apply to interception within an IA when Location Dependent Interception is invoked. A target may be marked in one or more different IAs within the same 3GMS. Interception is not required nor prohibited by this standard when Location Dependent Interception is active and the location of the target subscriber is not known or available.

** NEXT CHANGED 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 CHANGED SECTION **

5.2.2.2 Invocation and removal of interception regarding services

The invocation of lawful interception shall not alter the operation of a target's services or provide indication to any party involved in communication with the target. Lawful interception shall not alter the standard function of 3GMS network elements.

If lawful interception is activated during a circuit switched service, the currently active circuit switched service is not required to be intercepted. If lawful interception is deactivated during a circuit switched service, all ongoing intercepted activities may continue until ~~till~~ they are completed.

If lawful interception is activated when a packet data service is already in use, the next packets transmitted shall be intercepted. If lawful interception is deactivated during a packet data service, the next packets shall not be transmitted.

** NEXT CHANGED 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 CHANGED SECTION **

5.5 Charging aspects

The 3GMS may charge for intercept servicerequire ~~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.

** NEXT CHANGED SECTION **

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 **