3GPP TSG-SA3 LI Meeting #13
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CR-Form-v7

CHANGE REQUEST

| ⌘ | **33.107** CR **CRNum** | ⌘ **rev** | **-** | ⌘ | Current version: | **6.1.0** | ⌘ |

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐   ME ☐   Radio Access Network ☐   Core Network **X**

Title:	⌘	Clarification for Push to talk over Cellular
Source:	⌘	SA 3 LI
Work item code: ⌘		SEC-LI ***Date:*** ⌘ 15-04-2004
Category:	⌘ **B**	***Release:*** ⌘ Rel-6

Use one of the following categories:
   F *(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)*
  Rel-6 *(Release 6)*

Reason for change:	⌘	No definitions or hints to interception for PoC are available
Summary of change: ⌘		.
Consequences if not approved:	⌘	Missing part for PoC

Clauses affected:	⌘	7A

	Y	N		
Other specs affected: ⌘		X	Other core specifications	⌘
		X	Test specifications	
		X	O&M Specifications	

Other comments:	⌘	.

7A Invocation of Lawful Interception for Packet Data Multi-media Service

7A.1 Provision of content of communications

Interception of the content of communications for GSN packet data services is explained in section 7.2. No additional content of communications intercept requirements are identified. (to be confirmed pending completion of multi-media stage 2 specifications) Activation and invocation of multi-media service does not produce interception of content of communications, which must be intercepted at the GSN under a separate activation and invocation.

7A.2 Provision of IRI

SIP messaging is reported as Intercept Related Information for the interception of multi-media service. As shown in figure 22 below, all SIP messages executed on behalf of a target subscriber are subject to intercept at the P CSCF and S CSCF. Based upon network configuration, the ADMF shall provision P CSCFs, or S CSCFs, or both P CSCFs and S CSCFs with SIP URL target identifiers. These resulting intercepted SIP messages shall be sent to DF2 for mediation prior to transmittal across the HI2 interface.
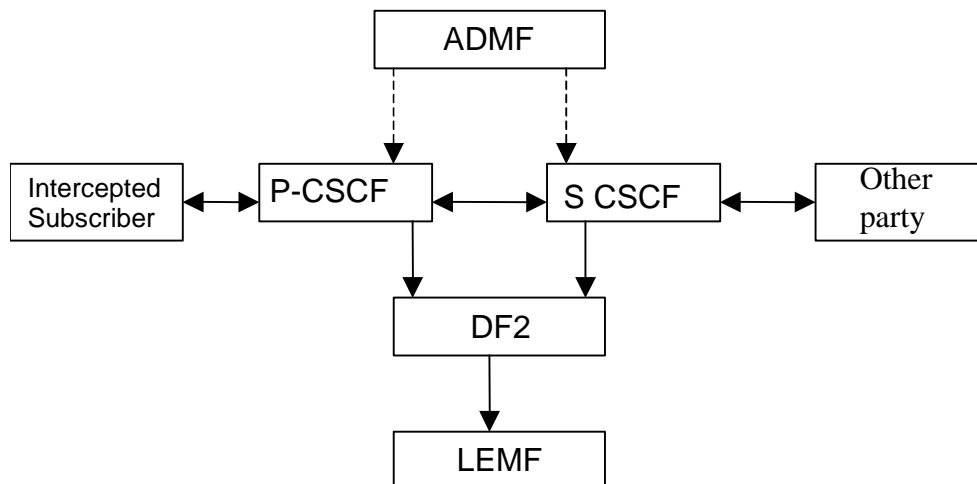

Figure 22: Provision of Intercept Related Information for multi-media

7A.3 Multi-media events

- All SIP messages to or from a targeted subscriber, and all SIP messages executed on behalf of a targeted subscriber for multi-media session control are intercepted by the P CSCF and S CSCF and sent to DF2. The target identifier used to trigger the intercept will also be sent with the SIP message. P CSCF event reports may be redundant with S CSCF event reports when the P CSCF and S CSCF reside in the same network, however, this standard does not require nor prohibit redundant information from being reported to DF2.

- The IRI should be sent to DF2 with a reliable transport mechanism.

- The reporting of location information for the sake of location dependent intercept is for further study.

- The use of a correlation ID for SIP to bearer correlation is a topic for further study.

- An intercepted SIP event sent to DF2 is shown below:

    - Observed SIP URL

    - Event Time and Date

- Network element identifier

- SIP Message Header

- SIP Message Payload

7A.4 Multi-media Call State Control Service Scenarios

Annex C shows examples of the delivery of intercepted events and product under various call scenarios.

7A.5 Push to talk over Cellular (PoC)

PoC is a service of the IMS Domain and interception is done according the definitions in 7A.3. Interception of CC is available with the current implementations in the GSN's.

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