TSGS#24(04)0398

Source: **SA WG3 (Security)**

Title: **CR to 33.107: TEL-URL missing in activation of LI in the CSCFs (Rel-6)**

Document for: **Approval**

Agenda Item: **7.3.3**

SA Doc number	Spec	CR	Rev	Phase	Subject	Cat	Version-Current	SA WG3 Doc number	Workitem
SP-040398	33.107	037	-	Rel-6	TEL-URL missing in activation of LI in the CSCFs	F	6.1.0	S3-030303	SEC1-LI

3GPP TSG SA WG3 Security — S3#33 **S3-040303**
10 - 14 May 2004
Beijing, China

3GPP TSG-SA3 LI Meeting #13 ***Tdoc ⌘S3LI04_058r1***
Rome, Italy, 14 – 16 April 2004

CR-Form-v7

CHANGE REQUEST

⌘ **33.107** **CR** **037** ⌘ **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:	⌘	TEL-URL missing in activation of LI in the CSCFs
Source:	⌘	SA WG3 (LI Group)
Work item code:	⌘	SEC1-LI
Date:	⌘	15-04-2004
Category:	⌘	**F**
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:	⌘	Note 6 in chapter 5.1.1 only mentions SIP URL as target identity not supported by ICEs different from CSCFs while the TEL URL is missing.
Summary of change:	⌘	TEL-URL is added as target identities not supported by ICEs different from CSCFs and note 6 is combined with note 5 for better understanding.
Consequences if not approved:	⌘	Wrong information and unclear description in the TS.

Clauses affected:	⌘	5.1.1

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

Other comments:	⌘	

*** FIRST MODIFICATION ***

5.1.1 X1_1-interface

The messages sent from the ADMF to the 3G ICEs (X1_1-interface) contain the:

- target identities (MSISDN, IMSI, IMEI, SIP URL or TEL URL) (see notes 4~~,~~ and 5 ~~and 6~~);
- information whether the Content of Communication (CC) shall be provided (see note 1);
- address of Delivery Function 2 (DF2) for the intercept related information (see note 2);
- address of Delivery Function 3 (DF3) for the intercepted content of communications (see note 3);
- IA in case of location dependent interception.

NOTE 1: As an option, the filtering whether intercept product and/or intercept related information has to be provided can be part of the delivery functions. (Note that intercept product options do not apply at the CSCF). If the option is used, the corresponding information can be omitted on the X1_1-interface, while "information not present" means "intercept product and related information has to be provided" for theICE. Furthermore the delivery function which is not requested has to be "pseudo-activated", in order to prevent error cases at invocation.

NOTE 2: As an option, only a single DF2 is used by and known to every 3G ICE. In this case the address of DF2 can be omitted.

NOTE 3: As an option, only a single DF3 is used by and known to every 3G ICE (except at the CSCFs). In this case the address of DF3 can be omitted.

NOTE 4: Since the IMEI is not available, interception based on IMEI is not applicable at the 3G Gateway. Moreover, in case the IMEI is not available, interception based on IMEI is not applicable at 3G ICEs.

NOTE 5: Interception at the CSCFs is based upon either SIP URL or TEL URL. SIP URL and TEL-URL as target identities are not supported by the other ICEs.

~~NOTE 6: SIP URL as a target identity is not supported by the other ICEs.~~

If after activation subsequently Content of Communications (CC) or Intercept Related Information (IRI) has to be activated (or deactivated) an "activation change request" with the same identity of the target is to be sent.

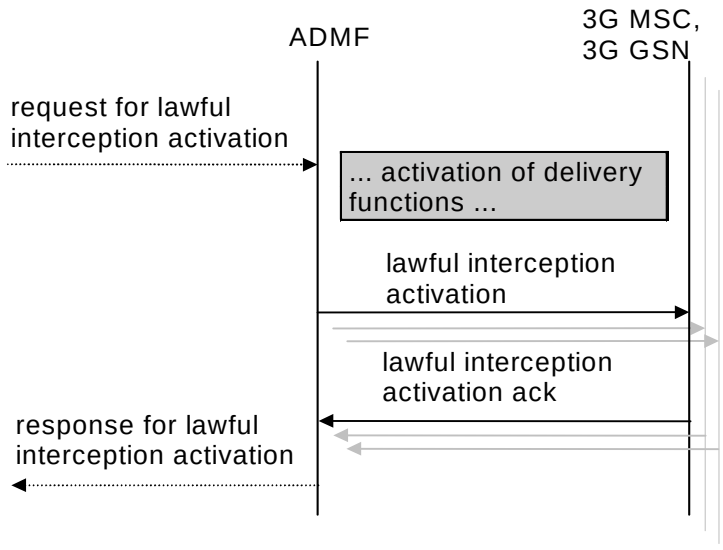

Figure 3: Information flow on X1_1-interface for Lawful Interception activation

Interception of a target can be activated on request from different LEAs and each LEA may request interception via a different identity. In this case, each target identity on which to intercept will need to be sent via separate activation messages from ADMF to the 3G ICEs on the X1_1-interface. Each activation can be for IRI only, or both CC and IRI.

When several LEAs request activation on the same identity then the ADMF determines that there are existing activations on the identity. In this case, the ADMF may (as an implementation option) send an additional activation message to the 3G ICEs. When the activation needs to change from IRI only to CC and IRI an activation change message will be sent to the 3G ICEs.

In case of a secondary interception activation only the relevant LEAs will get the relevant IRIs.

*** END OF MODIFICATIONS ***