**3GPP TSG-SA3 Meeting #94-LI *s3i240474***

**Amsterdam, Netherlands, 9th Jul 2024 - 12th Jul 2024**

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| *CR-Form-v12.3* |
| **CHANGE REQUEST** |
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|  | **33.128** | **CR** | **0663** | **rev** | **2** | **Current version:** | **18.8.0** |  |
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| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

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| ***Title:***  | Clarification of reporting of translated numbers. |
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| ***Source to WG:*** | SA3-LI (OTD\_US) |
| ***Source to TSG:*** | SA3 |
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| ***Work item code:*** | LI18 |  | ***Date:*** | 2024-07-06 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***Release:*** | Rel-18 |
|  | *Use one of the following categories:****F*** *(correction)****A*** *(mirror corresponding to a change in an earlier release)****B*** *(addition of feature),* ***C*** *(functional modification of feature)****D*** *(editorial modification)*Detailed explanations of the above categories canbe found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | *Use one of the following releases:Rel-8 (Release 8)Rel-9 (Release 9)Rel-10 (Release 10)Rel-11 (Release 11)…Rel-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19) Rel-20 (Release 20)* |
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| ***Reason for change:*** | The current document describes the reporting of IRI for SIP sessions, but it does not make clear that when party address translation is handled by the network, these translations should be reported in a way that makes it possible for the LEA to correlate the pre-translation party address with the post translation party address as well as the associated call/session. |
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| ***Summary of change:*** | Adds a clause clarifying the requirement and adds a new parameter to IMS messages allowing the reporting of any number translations. |
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| ***Consequences if not approved:*** | Requirements for reporting number translations will remain unclear. |
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| ***Clauses affected:*** | 7.12.4.1.7.1, New 7.12.2.4.X, 7.12.2.9 |
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|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  | TS/TR ... CR ...  |
| ***affected:*** |  | **X** |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications | TS/TR ... CR ...  |
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| ***Other comments:*** |

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| ***This CR's revision history:*** | s3i240433, s3i240473 |

## \*\*\*\* START OF FIRST CHANGE (MAIN DOCUMENT) \*\*\*\*

###### 7.12.4.1.7.1 Session-based IMS communications

In both default and alternate deployment options, the AS provides the IRI-POI when the interception of IMS sessions involving special services such as conferencing is required. IMS-AS also provides the IRI-POI functions when the called party address changes due to digit translation when the translation takes place at the IMS-AS.

The IRI-POI present in the AS identifies that an IMS-based communication is to be intercepted according to clause 7.12.2.8.

## \*\*\*\* START OF NEXT CHANGE (MAIN DOCUMENT) \*\*\*\*

##### 7.12.2.4.X Called party address translation

In networks which use IMS, called party address translation may occur where, for example, a telephony application server translates a called party address to another address for routing purposes (e.g., toll free number translation).

In this case, the placement of the POIs should be such that the reporting of address translation is possible. The IRI reported shall include information regarding the translated called party address, i.e. the pre-translation called party address as well as the post translation called party address along with information for correlation to the associated call/session, where such called party address translation information is available to the CSP.

For example when reporting SIP signalling, this can be accomplished by reporting both the SIP message sent to the server performing called party address translation (containing the pre-translation called party address) and the resultant SIP message containing the post translation called party address using the same correlation information for the call/session with which the translation applies.

## \*\*\*\* START OF NEXT CHANGE (MAIN DOCUMENT) \*\*\*\*

#### 7.12.2.9 Handling of correlation information

##### 7.12.2.9.1 Correlation of IRI and CC

The IRI records delivered to the LEMF over the LI\_HI2 and the CC delivered to the LEMF over LI\_HI3 shall be correlated.

According to the protocol defined in ETSI TS 103 221-1 [7] and ETSI TS 103 221-2 [8], the xIRI messages and the xCC carry the CorrelationID which enables the MDF2 and MDF3 to provide the needed correlation between the IRI and CC.

When the CC-POI is triggered by a CC-TF, the CC-TF sends the CorrelationID to the CC-POI over the LI\_T3 interface in the ActivateTask message. The CC-POI uses that CorrelationID in the xCC sent to the MDF3.

NOTE: The IRI-POI and CC-POI may be provided within the same NF (e.g. PTC Server, RCS Server). When the CC-POI is triggered from a CC-TF, the IRI-POI and CC-TF may be provided within the same NF (e.g. P-CSCF, AS/MRFC) or in different NFs (e.g. IRI-POI in S-CSCF and CC-TF in P-CSCF).

When the IRI-POI and CC-POI (or CC-TF in a triggered CC-POI case) are in the same NF, the procedures can be similar to the way the correlation of xIRI and xCC are done in the packet core system (e.g. IRI-POI and CC-TF in the SMF). The details of any needed interactions between those LI functions are not defined in the present document.

When the IRI-POI and CC-TF are in separate NFs, any additional procedures that may be needed are also implementation specific and the details of the same are not described in the present document.

##### 7.12.2.9.2 Correlation for sessions with called party address translation

When an interception is triggered for a session where called party address translation occurs, the IRI-POI and CC-POI shall assign the same CorrelationID to the LI product for that session both before and after the address translation occurs. Similarly, the MDF2/MDF3 shall assign the same CIN to LI product for the session both before and after the address translation occurs.

## \*\*\*\* END OF MAIN DOCUMENT CHANGES \*\*\*\*

## \*\*\*\* END OF ALL CHANGES \*\*\*\*