**3GPP TSG- Meeting #**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  |  | **CR** |  | **rev** | **1** | **Current version:** |  |  |
|  |
| *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:***  |  |
|  |  |
| ***Source to WG:*** | SA3-LI () |
| ***Source to TSG:*** | SA3 |
|  |  |
| ***Work item code:*** |  |  | ***Date:*** | 06 |
|  |  |  |  |  |
| ***Category:*** |  |  | ***Release:*** |  |
|  | *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-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19)* |
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| ***Reason for change:*** | Based upon discussions in last SA3-LI meeting (SA3#86-LI-b) in Sophia Antipolis, the text related to when the IRI-POI in the UDM generates various xIRI messages is currently not correct and could lead to improper reporting of information that is not related to the target UE. This CR corrects the language in this clause. The corrections are needed in both Release 17 and 18. |
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| ***Summary of change:*** | Add the term “target” or “target UE” to various locations in the clause to clarify when xRI should be generated. |
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| ***Consequences if not approved:*** | The spec will remain wrong and may lead to over delivery of information not related to the target UE. |
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| ***Clauses affected:*** | 7.2.2.4 |
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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 ...  |
|  |  |
| ***Other comments:*** | This CR has a R18 mirror in s3i220505 (CR 0181). |
|  |  |
| ***This CR's revision history:*** | S3i220506 |

START OF CHANGES

START OF FIRST CHANGE

7.2.2.4 IRI events

The IRI-POI present in the UDM shall generate xIRI, when the UDM detects the following specific events or information:

- Serving system.

- Subscriber record change.

- Cancel location.

- Location information request.

- Location information result.

- UE information response.

- UE authentication response.

A serving system xIRI is generated when the IRI-POI present in the UDM detects the target UE registration or re-registration related notifications. The AMF Id or the MME Id, or the VPLMN Id (when the other two are not known) is used as the serving system identifier in a serving system xIRI.

NOTE: The serving system xIRI may carry the information of one or more serving systems based on the target UE's network connectivity.

A subscriber record change xIRI is generated when the IRI-POI present in the UDM detects that the GPSI, or SUPI, or PEI associated to the target has changed. In addition, a subscriber record change xIRI is generated when the associated GPSI or, SUPI, or PEI for the target is de-provisioned. A subscriber record change xIRI is also generated when the target’s user service identifiers are modified (e.g. subscribed S-NSSAIs, subscribed CAG).

A cancel location xIRI is generated when the IRI-POI present in the UDM detects that a de-registration notification is sent, or received, by the UDM for the target.

A location information request xIRI is generated when the IRI-POI present in the UDM detects that the UDM received a query for the location information of the target UE from a different PLMN (e.g. inbound SMS routing) with a known PLMN Id.

A location information result xIRI is generated when the IRI-POI in the UDM detects that the UDM received a LocationInfoRequest from an NF service consumer (i.e. HSS) for the target and responds with a LocationInfoResult to the NF service consumer.

A UE information response xIRI is generated when the IRI-POI present in the UDM detects that the UDM received a ProvideUeInfo request for the target UE and returns a UeInfo response.

A UE authentication response xIRI is generated when the IRI-POI present in the UDM detects that the UDM received an authentication info request for the target UE from the HSS or AUSF and an authentication info result is sent.

END OF FIRST CHANGE

END OF CHANGES