**3GPP TSG-SA3 Meeting #86-LI-b *s3i220433***

**Sophia Antipolis, 30th Aug 2022 – 2nd Sep 2022**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **33.127** | **CR** | **0178** | **rev** | **1** | **Current version:** | **18.0.0** |  |
|  | | | | | | | | |
| *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 | **\*** |

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| ***Title:*** | Corrections to LI at UDM (Rel 18) | | | | | | | | | |
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| ***Source to WG:*** | SA3LI (NDRE, OTD) | | | | | | | | | |
| ***Source to TSG:*** | SA3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | LI17 | | | | |  | ***Date:*** | | | 2022-08-20 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **A** |  | | | | | ***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 can be 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)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | At SA3LI #84-LI-e-a, two CRs were agreed, adding stage 2 and stage 3 details of LI at the UDM (s3i220053 and s3i220062). At closer review/inspection, the naming conventions in the two CR:s were not fully aligned. Specifically, the naming of xIRI:s reported by UDM in 33.127, clause 7.2.2.4, is not aligned with the corresponding naming used in 33.128:   * the xIRI “UE information request” of 33.127 is in 33.128 (clause 7.2.2.3.7) called “UE information response” and is similarly called “uDMUEInformationResponse” in the ASN.1 part of 33.128; * The xIRI “UE authentication report” of 33.127 is in 33.128 (clause 7.2.2.3.8) called “UE Authentication response” and is similarly called “uDMUEAuthenticationResponse” in the ASN.1 part of 33.128. | | | | | | | | |
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| ***Summary of change:*** | | Change of xIRI naming in 33.127 to align with 33.128 (7.2.2.3 and the ASN.1). The changes consist of changing two occurances of the word “request” and two occurances of “report” to instead say “response”. | | | | | | | | |
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| ***Consequences if not approved:*** | | Missalignment between the two TS:es | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 7.2.2.4 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **\*** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **\*** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **\*** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | s3i20433 | | | | | | | | |

**\*\*\* Start of Changes \*\*\***

#### 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 associated GPSI, or SUPI, or PEI is changed. In addition, a subscriber record change xIRI is generated when the associated GPSI or, SUPI, or PEI is de-provisioned. A subscriber record change xIRI is also generated when the target UE'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.

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) 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 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 from the HSS or AUSF and an authentication info result is sent.

**\*\*\* End of All Changes \*\*\***