**3GPP SA3LI#86-b S3i220422**

**Sophia Antipolis, France, 30 August - 2 September 2022**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **33.128** | **CR** | **392** | **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 | **X** |

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| ***Title:*** | STIR/SHAKEN: Missing details in the MDF2 clause | | | | | | | | | |
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| ***Source to WG:*** | SA3-LI (Nokia, Nokia Shanghai Bell, Ministère Economie et Financ) | | | | | | | | | |
| ***Source to TSG:*** | SA3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | LI17 | | | | |  | ***Date:*** | | | 2022-09-02 |
|  |  | | | |  | |  | | |  |
| ***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)* | |
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| ***Reason for change:*** | | The MDF2 clause for STIR/SHAKEN is not providing the details that are provided in the other clauses of TS 33.128 some of the rules in generating the IRI messages over LI\_HI2. One of the important facts that goes with this is to ensure that the CIN used in STIRSHAKEN related IRI messages is same as the CIN used in other IRI messages of the IMS session. | | | | | | | | |
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| ***Summary of change:*** | | MDF2 clause is modified to provide the additional requirements. | | | | | | | | |
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| ***Consequences if not approved:*** | | The implementation can be erratic. | | | | | | | | |
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| ***Clauses affected:*** | | 7.11.3 | | | | | | | | |
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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's revision history:*** | | S3i220422 | | | | | | | | |

### \*\* First change \*\*

### 7.11.3 Generation of IRI over LI\_HI2

When an xIRI is received over LI\_X2 from an IRI-POI, the MDF2 shall generate the corresponding IRI message and deliver over LI\_HI2 without undue delay. The IRI message shall contain a copy of the relevant record (STIRSHAKENSignatureGeneration or STIRSHAKENSignatureValidation) received in the xIRI over LI\_X2.

The MDF2 shall able to remove information regarded as content from RCD or eCNAM parameters in the case of an IRI-only warrant. The details of what needs to be removed and under what circumstances are outside the scope of the present document.

The timeStamp field of the ETSI TS 102 232-1 [9] PSHeader structure shall be set to the time present in the timestamp field of the xIRI.

The threeGPP33128DefinedIRI field (see ETSI TS 102 232-7 [10] clause 15) shall be populated with the BER-encoded IRIPayload.

The STIRSHAKENSignatureGeneration and STIRSHAKENSignatureValidation IRI messages shall have the same CIN as in the other IRI messages delivered for the IMS session (see ETSI TS 102 232-1 [9] clause 5.2.4).

The IRI type parameter (see ETSI TS 102 232-1 [9] clause 5.2.10) shall be included and coded according to table 7.11.3-x.

Table 7.11.3-x: IRI type for IRI messages

|  |  |
| --- | --- |
| Record type | IRI Type |
| STIRSHAKENSignatureGeneration | REPORT |
| STIRSHAKENSignatureValidation | REPORT |

### \*\* End of all changes \*\*