**3GPP TSG- Meeting #**

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| *CR-Form-v12.3* |
| **CHANGE REQUEST** |
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|  |  | **CR** |  | **rev** | **1** | **Current version:** |  |  |
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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 | **\*** |

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| ***Title:***  | Editorial update of RFC 9475 in clause E.2.3 STIR/SHAKEN for messaging |
|  |  |
| ***Source to WG:*** | SA3LI (Ministère Economie et Finances) |
| ***Source to TSG:*** | SA3 |
|  |  |
| ***Work item code:*** |  |  | ***Date:*** |  |
|  |  |  |  |  |
| ***Category:*** | F |  | ***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-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19) Rel-20 (Release 20)* |
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| ***Reason for change:*** | Update of reference RFC 9475 in annex E.2.3. as reference 2 mention it. |
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| ***Summary of change:*** | Editorial change in the text of annex E.2.3. by correct reference RFC 9475 |
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| ***Consequences if not approved:*** | Wrong interpretation of annex E.2.3 |
|  |  |
| ***Clauses affected:*** | E.2.3 |
|  |  |
|  | **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:*** | s3i240652 |

**\*\*\* Start of First Change \*\*\***

E.2.3 STIR/SHAKEN for messaging

STIR/SHAKEN could apply to providing protection for textual and multimedia messaging as specified in the RFC 9475 [46].

A PASSporT could be used to securely negotiate a session over which messages will be exchanged; this is applicable for example to the following RCS services: large message mode standalone messaging, 1-to-1 chat and group chat where messages are exchanged using MSRP (Message Session Relay Protocol) after the SIP session is established. In these scenarios, usage of STIR/SHAKEN is very similar to that for voice sessions.

In sessionless scenarios such as RCS pager mode standalone messaging service, a PASSporT could be generated on a per-message (i.e. SIP MESSAGE) basis with its own built-in message security. An Identity header could be added to any SIP MESSAGE request, but without some extension to the PASSporT claims, the PASSporT would offer no protection to the message content. In RFC 9475 [46], PASSporT provides its own integrity check for message contents as part of its assertions through a new claim which is here defined to provide a hash over message contents. A new "msg" PASSporT Type is defined for that purpose. A new optional claim "msgi" provides a digest over a MIME body (i.e., body of the SIP MESSAGE). The PASSporT is conveyed in an Identity header field in the SIP MESSAGE request. The authentication and verification service procedures for populating that PASSporT follow the same procedures as for a voice session, with the addition of the "msgi" claim.

**\*\*\* End of First Change \*\*\***

**\*\*\* End of Last Change \*\*\***