**3GPP TSG-SA3 Meeting #102-eS3-210221**

**e-meeting, 18 - 29 January 2021, Online**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **33.926** | **CR** | **0037** | **rev** | **1** | **Current version:** | **16.3.0** |  |
|  | | | | | | | | |
| *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:*** | Threat to send EAP-Identity Request by N3IWF | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | China Unicom, Huawei, HiSilicon | | | | | | | | | |
| ***Source to TSG:*** | S3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | SCAS\_5G\_N3IWF | | | | |  | ***Date:*** | | | 2021-01-18 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | B |  | | | | | ***Release:*** | | | R-17 |
|  | *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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | EAP-5G is used between UE and N3IWF. As specificed in TS 33.501[14], the N3IWF shall refrain from sending an EAP-Identity request. The UE may ignore an EAP Identity request or respond with the SUCI it sent in the Registration Request. This means if the N3IWF happens to send an EAP-Identity Request to the UE, the N3IWF shall not look forward an EAP-Identity Reply. This is different from normal EAP framework. If the N3IWF behaves the same as normal EAP framework, the N3IWF will wait for a reply till time expires. This may casue the UE cannot access to the network via an N3IWF. | | | | | | | | |
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| ***Summary of change:*** | | Add a new threat | | | | | | | | |
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| ***Consequences if not approved:*** | | No threat mapping to a test case | | | | | | | | |
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| ***Clauses affected:*** | | X.Y (new) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

\*\*\* BEGINNING OF CHANGES \*\*\*

### Annex X (normative): Aspects specific to the network product class N3IWF

### X.Y Threat to send EAP-Identity Request by N3IWF

*- Threat name:* N3IWF sends EAP-Identity Request

*- Threat Category*: eDenial of service.

*- Threat Description*: EAP-5G is used between UE and N3IWF. As specificed in TS 33.501[14], the N3IWF shall refrain from sending an EAP-Identity request. The UE may ignore an EAP Identity request or respond with the SUCI it sent in the Registration Request. This means if the N3IWF happens to send an EAP-Identity Request to the UE, the N3IWF shall not look forward an EAP-Identity Reply. This is different from normal EAP framework. If the N3IWF behaves the same as normal EAP framework, the N3IWF will wait for a reply till time expires. This may casue the UE cannot access to the network via an N3IWF.

*- Threatened Asset*: GNP services.

\*\*\*END OF CHANGES\*\*\*