**3GPP TSG-SA3 Meeting #106-e *S3-220158-r1***

**e-meeting, 14 - 25 February 2022**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **33.558** | **CR** | **xxxx** | **rev** | **-** | **Current version:** | **17.4.1** |  |
|  |
| *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:***  | Removal of EN related to identifiers for EES and ECS authentication and authorization. |
|  |  |
| ***Source to WG:*** | Intel  |
| ***Source to TSG:*** | S3 |
|  |  |
| ***Work item code:*** | EDGE\_SEC |  | ***Date:*** | 2022-01-28 |
|  |  |  |  |  |
| ***Category:*** | F |  | ***Release:*** | Rel-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 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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
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| ***Reason for change:*** | Identifies used for EES and ECS authentication; authorization should be per EDGE architecture defined in 23.558 and should be left to deployment on which particular identity will be used.  |
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| ***Summary of change:*** | Added the text for the use of identities using 23.558 and included a reference to 23.558 |
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| ***Consequences if not approved:*** | Unclear definition of identifiers used for EES and ECS authentication and authorization |
|  |  |
| ***Clauses affected:*** | 6.4.2 |
|  |  |
|  | **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:*** |  |

**\*\*\*\* START OF CHANGES \*\*\*\***

6.4.2 Procedure for the Authentication and Authorization between EES and ECS

Pre-requisite:

- EES obtains onboarding information within the same PLMN domain or from a third-party domain. The information includes the Edge Configuration Server Address and Root CA certificate details, it may include an enrolment token.

NOTE1: The provisioning and usage of the onboarding information is out of the scope of this document.

- The EES and ECS are provisioned with credentials for the mutual authenticated TLS.

TLS shall be used to provide integrity protection, replay protection, and confidentiality protection for the interface between the EES and the ECS.

Security profiles for TLS implementation and usage shall follow the profiles given in TS 33.210 [2] Annex E and F, and TS 33.310[11]. The identities in the end-entity certificates shall be used for authentication and policy checks. Identities in the end-entity certificate shall be based on endpoint information (e.g., URI, FQDN, IP address) as described in the TS 23.558[5].

The ECS shall authorize the EES based on local authorization policy.

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