**3GPP TSG-SA3 Meeting #101-e *draft\_S3-203146-r1***

**e-meeting, 9 – 20 November 2020**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **33.501** | **CR** | **0987** | **rev** | 1 | **Current version:** | **16.4.0** |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Resolving Editor's Note on SCP performing token-based authorization on behalf of Network Functions | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | S3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** |  | | | | |  | ***Date:*** | | | 2020-10-30 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | F |  | | | | | ***Release:*** | | | Rel-16 |
|  | *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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | As captured in clause 13.3.6 (S3-203203-r5), authorization between the SCP and NFs is based on local authorization policy in this release. Regarding the authorization of access token requests sent by an SCP on behalf of an NF Service Consumer, NOTE 3 in clause 13.3.1.2 applies: “If only hop-by-hop security is used in a PLMN, the NRF is not able to verify that an access token request sent by SCP on behalf of a certain NF Service Consumer, is actually authorized by this consumer.” | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Removes the Editor's Note "It is ffs if the SCP could perform OAuth based service access authorization on behalf of Network Functions." | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Editor's Note remains. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.9.2.4 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

\*\*\* BEGIN CHANGES\*\*\*

#### 5.9.2.4 Requirements on the Service Communication Proxy (SCP)

The SCP has interfaces with Network Functions (NF) and peer SCPs within the PLMN. The interface between the SCP and the NFs and between the two SCPs shall fulfil the following requirements:

- Mutual authentication shall be performed between the SCP and NFs, and between the two SCPs within the PLMN.

- All communication between the SCP and NFs and between SCPs shall be confidentiality, integrity and replay protected.

If SCP endpoints are co-located with the NFs, the above two requirements may be satisfied by colocation.

The SCP shall provide confidentiality, integrity and replay protection for its internal communication over SCP internal network interfaces.

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