**3GPP TSG-SA3 Meeting #111 *S3-23xxxx***

**Berlin, Germany, 22 -26 May 2023**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  |  | **CR** |  | **rev** |  | **Current version:** |  |  |
|  | | | | | | | | |
| *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:*** | Clarification of NSSAA revocation | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Federal Office for Information Security (BSI) | | | | | | | | | |
| ***Source to TSG:*** | S3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** |  | | | | |  | ***Date:*** | | | 2023-05-08 |
|  |  | | | |  | |  | | |  |
| ***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 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)* | |
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| ***Reason for change:*** | | The UE state (REGISTERED) required for the test case is not present in the Pre-Conditions.  The Requirement Description mentions, that the Deregistration Request message shall include the list of rejected S-NSSAIs, each of them with the appropriate rejection cause value. This is currently missing and should be part of the Expected Results. | | | | | | | | |
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| ***Summary of change:*** | | Added UE state to Pre-conditions.  Added required content of Deregistration Request to Expected Results. | | | | | | | | |
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| ***Consequences if not approved:*** | | The state of the UE may not be correct while testing.  Requirement Description is not covered fully. | | | | | | | | |
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| ***Clauses affected:*** | | 4.2.2.9.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 1st CHANGE \*\*\*\*\*\*\*\*\*\*

##### 4.2.2.9.1 NSSAA revocation

*Requirement Name*: NSSAA revocation

*Requirement Reference:* TS 33.501 [7], clause 16.5

*Requirement Description*: " If no S-NSSAI is left in Allowed NSSAI for an access after the revocation, and no Default NSSAI can be provided to the UE in the Allowed NSSAI or a previous NSSAA failed for the Default NSSAI over this access, then the AMF shall execute the Network-initiated Deregistration procedure for the access as described in subclause 4.2.2.3.3 in TS 23.502 [8], and it shall include in the explicit De-Registration Request message the list of Rejected S-NSSAIs, each of them with the appropriate rejection cause value. "

as specified in TS 33.501[7], clause 16.5

*Threat References*: TR 33.926, clause K.2.X

*Test Case*:

**Test Name:** TC\_NSSAA\_REVOCATION

**Purpose:**

Verify that AMF deregisters UE when, after slice specific authorization revocation, there is no allowed NSSAI or Default NSSAI that can be used by UE.

**Pre-Conditions:**

- Test environment with UE. The UE may be simulated.

- The UE is registered at the AMF.

- The AMF under test is configured with one S-NSSAI in the Allowed NSSAI and no default S-NSSAI.

**Execution Steps**

A message requesting the AMF under test to revoke the authorization of the S-NSSAI in the Allowed NSSAI is simulated and sent the AMF under test.

**Expected Results:**

The Deregistration Request message is sent by the AMF under test to the UE.

The Deregistration Request message includes the list of rejected S-NSSAIs, each of them with the appropriate rejection cause value.

**Expected format of evidence:**

Evidence suitable for the interface, e.g., Screenshot containing the operational results.

NOTE 1: This test case is only applicable to AMF supporting Network Slice Specific Authentication and Authorization.

\*\*\*\*\*\*\*\*\*\* END OF CHANGE \*\*\*\*\*\*\*\*\*\*