**3GPP TSG-SA3 Meeting #107-eS3-220961**

**e-meeting, 16 - 20 May 2022**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **TS 33.256** | **CR** |  | **rev** | 1 | **Current version:** | **17.0.0** |  |
|  | | | | | | | | |
| *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 | **X** | Radio Access Network |  | Core Network | **X** |

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| ***Title:*** | Correction to Clause 5.2.2.4 UUAA Revocation | | | | | | | | | |
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| ***Source to WG:*** | Lenovo | | | | | | | | | |
| ***Source to TSG:*** | S3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | ID\_UAS | | | | |  | ***Date:*** | | | 2022-05-02 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | TS 33.256 Clause 5.2.2.4 UUAA Revocation describes the steps related to UUAA revocation for EPS, where it missed the response message in step 3a specified in TS 23.256 Clause 5.2.7 which enables the UAS NF later in step 3b to inform USS that UUAA revocation has been successfully initiated.  Further TS 33.256 clause 5.2.2.4 UUAA revocation for EPS step 5 is not aligned with the Clause 5.2.1.5 UUAA revocation related to 5GS step 5 for the UE behaviour. | | | | | | | | |
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| ***Summary of change:*** | | Alignment added in step 3 of clause 5.2.2.4 UUAA revocation for EPS to support response message from target NF back to UAS NF as specified in TS 23.256 clause 5.2.7.  Alignment added in step 5 of Clause 5.2.2.4 UUAA revocation for EPS to have similar UE behaviour specified in UUAA revocation for 5GS in TS 33.256 clause 5.2.1.5. | | | | | | | | |
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| ***Consequences if not approved:*** | | If step 5 UE behaviour in Clause 5.2.2.4 UUAA revocation for EPS is not aligned with Clause 5.2.7 UUAA revocation, then UE with have inconsistent behaviour for same UUAA revocation procedure.  Further if step 3 is not aligned with Clause 5.2.7 of TS 22.256, then the UAS NF will not send UUAA revocation initiate response to USS, until the UAS NF receives a response form the serving target NF. | | | | | | | | |
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| ***Clauses affected:*** | | Clause 5.2.2.4 | | | | | | | | |
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|  | | **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:*** | | Remove step 5 change and corrected step 3a change | | | | | | | | |

\*\*\* Start of Change 1 \*\*\*

#### 5.2.2.4 UUAA Revocation

USS may trigger revocation of UUAA at any time. The below description considers only the security related parameters (for full details of the flows see TS 23.256 [3]).



Figure 5.2.2.4-1: UUAA revocation in EPS

1. The USS sends an UUAA revocation request to UAS-NF. The request includes GPSI and CAA-Level UAV ID.

2. The UAS NF retrieves the UAV UE's context. The UE's context contains identity mapping between the GPSI and the USS identifier that performed UUAA. The UAS-NF verifies the USS revocation request by checking whether the GPSI and the USS identifier of the USS requesting the revocation match the stored mapping of GPSI and USS identifier. The UAS-NF shall only continue the revocation procedures if they match.

NOTE: The USS identifier is based on the security link on the interface between USS NF and USS (e.g. the identity mapped during link establishment or the identity in certificate).

3a. The UAS NF sends to the target SMF+PGW-C, the UUAA revocation message for the UE identified by the GPSI. The target SMF+PGW-C shall respond to the UAS NF to indicate the revocation has been successful.

3b. The UAS NF responds back to the USS indicating that authorization revocation request has been successfully initiated as in TS 23.256 [3] and the UAS NF shall delete the UUAA context.

4. The target SMF+PGW-C on receiving UUAA revocation notification message, determines to send UUAA revocation indication to the UE. The target SMF+PGW-C informs the UE that UUAA is revoked and takes actions as described in TS 23.256 [3] and the SMF+PGW-C shall delete the UUAA context being revoked.

5. The UE on receiving UAA revocation indication shall delete all UUAA related authorization data corresponding to the CAA-Level-UAV ID

Editor's Note: It is FFS, if the 3GPP network need to provide the CAA-level UAV ID to the UAV when provided by the USS for the revocation.

\*\*\* End of Change 1 \*\*\*