**3GPP TSG-SA3 Meeting #115 *S3-240850-r7***

**Athens, February 26 - March 01, 2024**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **33.122** | **CR** | **0068** | **rev** | **1** | **Current version:** | **18.2.0** |  |
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| *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:*** | Add revocation procedure for RNAA-related tokens | | | | | | | | | |
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| ***Source to WG:*** | Xiaomi, Huawei, HiSilicon, Samsung, Nokia Shanghai Bell | | | | | | | | | |
| ***Source to TSG:*** | S3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | SNAAPPY | | | | |  | ***Date:*** | | | 2024-2-05 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-18 |
|  | *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 Editor's Note "this clause describes the revocation procedure, unless this is taken care of by SA6 as it is for non RNAA use cases" is captured for potential revocation procedure in clause 6.5.3.4.  Compared to traditional tokens, the RNAA-related token is obtained via the authorization information belonging to the resource owner. In other words, resource owner may request to revoke the tokens in case of changing their minds. However, 5GS can only support the expiration time based token revocation mechanism (i.e. Annex C.6 of TS 33.122), which cannot fulfill the on-demand revocation intention of resource owners.  To resolve the editor’s note, this contribution provides the revocation procedure for RNAA-related tokens. | | | | | | | | |
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| ***Summary of change:*** | | The authorization revocation procedure defined in clause 8.23.4 of TS 23.222 is modified to support RNAA scenarios. | | | | | | | | |
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| ***Consequences if not approved:*** | | The Editor's Note about authorization revocation in RNAA scenarios is not resolved. | | | | | | | | |
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| ***Clauses affected:*** | | 6.5.3.4 | | | | | | | | |
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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:*** | | S3-240792 (merged with S3-240423 and S3-240424) | | | | | | | | |

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Start of the Change \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

#### 6.5.3.4 Revocation

If the resource owner wants to revoke authorization to access a service API initiated by the AEF, the CCF receives a revocation request message from the UE, resource owner client, web page, etc., which triggers the revocation of the API Invoker authorization.

NOTE: How CCF obtains the information to trigger for revoking API invoker authorization is out of the scope of this specification.

The CCF initiates the Authorization Revocation Request message as defined in clause 8.23.4 of TS 23.222 [3] with additional information that can identify the RNAA-related token (e.g., the resource owner ID, API, etc.).

AEF, storing the revocation information, shall check whether the token presented by an API invoker is revoked or not, before responding to the API invoker’s invocation request. Further, if AEF invalidates the authorization of the API invoker, the invalidated authorization is for the resource owner/UE corresponding to the resource owner ID (i.e. the GPSI).

The CCF provided notification message to the API invoker shall include information that can identify RNAA-related tokens.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*End of the Change \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*