**3GPP TSG-SA3 Meeting #101-e *draft\_S3-203143-r4***

**e-meeting, 9 – 20 November 2020**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **33.501** | **CR** | **0984** | **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)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

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| ***Title:*** | Corrections for the NRF token request service | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson, Nokia, Nokia Shanghai Bell | | | | | | | | | |
| ***Source to TSG:*** | S3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5GS\_Ph1-SEC | | | | |  | ***Date:*** | | | 2020-10-30 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **A** |  | | | | | ***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:*** | | The NRF's token request service specification in clause 14.3.2 lists a few specific NF Service Consumers. However, all NF Service Consumers can use the token request service of the NRF. Furthermore, this list of Known NF Service Consumers only exists for the NRF's token request service, not for the other services described in clause 14.  Moreover, the input and output lists are not aligned with the procedures in clause 13.4.1. | | | | | | | | |
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| ***Summary of change:*** | | Removes the list of consumers of the NRF's token request service.  Aligns input and output with procedures in clause 13.4.1. | | | | | | | | |
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| ***Consequences if not approved:*** | | Incorrect list of consumers, input and output of the NRF's token request service. | | | | | | | | |
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| ***Clauses affected:*** | | 14.3.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | Rev 1: merger of S3-203143 and S3-203197 | | | | | | | | |

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

### 14.3.2 Nnrf\_AccessToken\_Get Service Operation

**Service Operation name:** Nnrf\_ AccessToken\_Get.

**Description:** NF Service Consumer requests NRF to provide an Access Token.

**Inputs, Required:** the NF Instance Id of the NF service consumer, the requested "scope" including the expected NF service name(s) .

**Inputs, Optional:** Home and serving PLMN IDs, NF Instance Id(s) of the requested NF Service Producer, NF type of the expected NF Service Producer instance and NF Service Consumer, "additional scope" information (i.e. requested resources and requested actions (service operations) on the resources), list of NSSAIs or list of NSI IDs for the expected NF Service Producer instances, NF Set ID of the expected NF Service Producer instances, list of S-NSSAIs of the NF Service Consumer.

**Outputs, Required:** Access Token with appropriate claims, where the claims shall include NF Instance Id of NRF (issuer), NF Instance Id of the NF Service consumer potentially appended with its PLMN ID (subject), NF type of the producers or NF Instance Id or several NF Instance Id(s) of the requested NF Service Producer, potentially appended with PLMN ID (audience), expected service name (scope), optionally "additional scope" information (allowed resources and allowed actions (service operations) on the resources) and expiration time (expiration), may include list of NSSAIs or NSI IDs for the expected NF Service Producer instances, and may include the NF Set ID of the expected NF Service Producer instances.

**Outputs, Optional:** None.

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