**3GPP TSG-SA3 Meeting #104-e *S3-212891***

**e-meeting, 16 - 27 August 2021**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **33.501** | **CR** |  **1185** | **rev** | **-** | **Current version:** | **15.13.0** |  |
|  |
| *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:***  | NRF service definition |
|  |  |
| ***Source to WG:*** | Nokia, Nokia Shanghai Bell |
| ***Source to TSG:*** | S3 |
|  |  |
| ***Work item code:*** | 5G\_eSBA |  | ***Date:*** | 2021-08-27 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***Release:*** | Rel-15 |
|  | *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 canbe 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)* |
|  |  |
| ***Reason for change:*** | Specifications mentions NRF service “Nnrf\_OAuth2Auth\_AccessTokenAuthorization” that is not defined and uses the wrong naming for Nnrf\_AccessToken service. |
|  |  |
| ***Summary of change:*** | Update related text to “NRF provides within Nnrf an OAuth 2.0 authorization service (clause 13.4.1) called Nnrf\_ AccessToken\_Get service operation that allows for requesting OAuth 2.0 Access Tokens for NF to NF authorization.” |
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| ***Consequences if not approved:*** | Ambigious specification with missing service definition. |
|  |  |
| ***Clauses affected:*** | 14.3.1 |
|  |  |
|  | **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 CHANGE

### 14.3.1 General

The following table illustrates the security related services for OAuth 2.0 that NRF provides. OAuth 2.0 based authorization is described in clause 13.4.1.

|  |  |  |  |
| --- | --- | --- | --- |
| Service Name | Service Operations | Operation Semantics | Example Consumer(s) |
| Nnrf\_AccessToken | Get | Request/Response | AMF, SMF, PCF, NEF, NSSF, SMSF, AUSF |

The complete list of NRF services is defined in TS 23.501 [2], clause 7.2.6, and further refined in TS 23.502 [8], clause 5.2.7.

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