**3GPP TSG- Meeting #C3-231205**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  |  | **CR** | **0034** | **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:*** | Correction of a referenced clause number | | | | | | | | |
|  |  | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | |
|  |  | | | | | | | | |
| ***Work item code:*** | SBIProtoc18 | | | | |  | ***Date:*** | | 2023-04-10 |
|  |  | | | |  | |  | |  |
| ***Category:*** |  | |  | | | | ***Release:*** | |  |
|  | *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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | |
| ***Reason for change:*** | | Clause 5.1.9 references clause 4.10 of TS 29.500. However, the current reference indicates clause 4.x. | | | | | | | |
|  | |  | | | | | | | |
| ***Summary of change:*** | | This CR proposes to:   * Correct the clause number for this reference. | | | | | | | |
|  | |  | | | | | | | |
| ***Consequences if not approved:*** | | * Wrong referenced clause number remains in the specification. | | | | | | | |
|  | | |  | | | | | | |
| ***Clauses affected:*** | | | 5.1.9 | | | | | | |
|  | | |  | | | | | | |
|  | | | **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 does not impact the OpenAPI descriptions defined in this specification. | | | | | | |
|  | | |  | | | | | | |
| ***This CR's revision history:*** | | |  | | | | | | |

\* \* \* \* Start of changes \* \* \* \*

### 5.1.9 Security

As indicated in 3GPP TS 33.501 [8] and 3GPP TS 29.500 [4], the access to the Naanf\_AKMA API may be authorized by means of the OAuth2 protocol (see IETF RFC 6749 [9]), based on local configuration, using the "Client Credentials" authorization grant, where the NRF (see 3GPP TS 29.510 [10]) plays the role of the authorization server.

If OAuth2 is used, an NF Service Consumer, prior to consuming services offered by the Naanf\_AKMA API, shall obtain a "token" from the authorization server, by invoking the Access Token Request service, as described in 3GPP TS 29.510 [10], clause 5.4.2.2.

NOTE: When multiple NRFs are deployed in a network, the NRF used as authorization server is the same NRF that the NF Service Consumer used for discovering the Naanf\_AKMA service.

The Naanf\_AKMA API defines the following scopes for OAuth2 authorization as described in clause 4.10 of 3GPP TS 29.501 [5].

Table 5.2.9-1: OAuth2 scopes defined in Naanf\_AKMA API

|  |  |
| --- | --- |
| Scope | Description |
| "naanf-akma" | Access to the Naanf\_AKMA API |
| "naanf-akma:anchorkey" | Access to service operations applying to store and remove the AKMA related key material. |
| "naanf-akma:applicationkeyget" | Access to service operations applying to request the AKMA Application Key information for the UE. |

\* \* \* \* End of changes \* \* \* \*