**3GPP TSG CT WG3 Meeting #139 C3-250374**

**Athens, GR, 17 Feb - 21 Feb, 2025 (revision of C3-250abc)**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.576** | **CR** | **0080** | **rev** | **-** | **Current version:** | **19.1.0** |  |
|  | | | | | | | | |
| *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:*** | Clarification on the MFAF Configuration transfer | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eNetAE19 | | | | |  | ***Date:*** | | | 2024-02-10 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-19 |
|  | *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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The following issues have been identified in the definition of the Nmfaf\_ContextManagement API:   * Some attributes within the MfafConfiguration data type reused in ContextTransferResp data type are not applicable in this API. * Various other editorial related issues | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | This CR proposes to address the above issues. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The missing clarification may cause misunderstanding. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.3, 5.3.4.2.2, 5.3.6.1, 5.3.6.2.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 file. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

\*\*\* 1st Change \*\*\*

5.3 Nmfaf\_ContextManagement Service API

\*\*\* Next Change \*\*\*

5.3.4.2.2 Operation Definition

This operation shall support the request data structures shown in Table 5.3.4.2.2-1 and the response data structures and error codes specified in Tables 5.3.4.2.2-2.

**Table 5.3.4.2.2-1: Data structures supported by the POST Request Body on this resource**

|  |  |  |  |
| --- | --- | --- | --- |
| **Data type** | **P** | **Cardinality** | **Description** |
| ContextTransferReq | M | 1 | Information about the MFAF configuration(s) to be transferred to this MFAF. |

**Table 5.3.4.2.2-2: Data structures supported by the POST Response Body on this resource**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Data type** | **P** | **Cardinality** | **Response**  **codes** | **Description** |
| ContextTransferResp | M | 1 | 200 OK | Successful transfer of MFAF configuration(s) to this MFAF. |
| RedirectResponse | O | 0..1 | 307 Temporary Redirect | Temporary redirection during the transfer request.  (NOTE 2) |
| RedirectResponse | O | 0..1 | 308 Permanent Redirect | Permanent redirection, during the transfer request.  (NOTE 2) |
| NOTE 1: The mandatory HTTP error status code for the POST method listed in Table 5.2.7.1-1 of 3GPP TS 29.500 [4] also apply.  NOTE 2: The RedirectResponse data structure may be provided by an SCP (cf. clause 6.10.9.1 of 3GPP TS 29.500 [4]). | | | | |

**Table 5.3.4.2.2-3: Headers supported by the 307 Response Code on this resource**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Data type** | **P** | **Cardinality** | **Description** |
| Location | string | M | 1 | Contains an alternative URI representing the end point of an alternative MFAF (service) instance towards which the notification is redirected.  For the case where the notification is redirected to the same target via a different SCP, refer to clause 6.10.9.1 of 3GPP TS 29.500 [4]. |
| 3gpp-Sbi-Target-Nf-Id | string | O | 0..1 | Identifier of the target MFAF (service) instance towards which the notification request is redirected. |

**Table 5.3.4.2.2-4: Headers supported by the 308 Response Code on this resource**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Data type** | **P** | **Cardinality** | **Description** |
| Location | string | M | 1 | Contains an alternative URI representing the end point of an alternative MFAF (service) instance towards which the notification is redirected.  For the case where the notification is redirected to the same target via a different SCP, refer to clause 6.10.9.1 of 3GPP TS 29.500 [4]. |
| 3gpp-Sbi-Target-Nf-Id | string | O | 0..1 | Identifier of the target MFAF (service) instance towards which the notification request is redirected. |

\*\*\* Next Change \*\*\*

5.3.6.1 General

This clause specifies the application data model supported by the API.

Table 5.3.6.1-1 specifies the data types defined for the Nmfaf\_ContextManagement service based interface protocol.

**Table 5.3.6.1-1: Nmfaf\_ContextManagement specific Data Types**

|  |  |  |  |
| --- | --- | --- | --- |
| **Data type** | **Clause defined** | **Description** | **Applicability** |
| ContextTransferReq | 5.3.6.2.2 | Represents the contents of an MFAF context transfer request. |  |
| ContextTransferResp | 5.3.6.2.3 | Represents the contents of an MFAF context transfer response. |  |

Table 5.3.6.1-2 specifies data types re-used by the Nmfaf\_ContextManagement service based interface protocol from other specifications, including a reference to their respective specifications and when needed, a short description of their use within the Nmfaf\_ContextManagement service based interface.

**Table 5.3.6.1-2: Nmfaf\_ContextManagement re-used Data Types**

|  |  |  |  |
| --- | --- | --- | --- |
| **Data type** | **Reference** | **Comments** | **Applicability** |
| MfafConfiguration | 5.1.6.2.2 | Contains the description of an MFAF configuration. |  |
| NmfafDataAnaNotification | 5.2.6.2.4 | Contains a data or analytics notification. |  |
| NnwdafEventsSubscriptionNotification | 3GPP TS 29.520 [20] | Represents an NWDAF analytics subscription notification. |  |
| SupportedFeatures | 3GPP TS 29.571 [22] | Used to negotiate the applicability of the optional features defined in table 5.3.8-1. |  |
| Uri | 3GPP TS 29.571 [22] | Represents a URI. |  |

\*\*\* Next Change \*\*\*

5.3.6.2.3 Type: ContextTransferResp

**Table 5.3.6.2.3-1: Definition of type ContextTransferResp**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute name** | **Data type** | **P** | **Cardinality** | **Description** | **Applicability** |
| configs | map(MfafConfiguration) | M | 1..N | A map of the configurations that are transferred. The key used in this map for each entry is one of the values of the "refIds" attribute provided in the request and the value is the respective configuration.  (NOTE) |  |
| bufferedNotifs | map(NmfafDataAnaNotification) | O | 1..N | A map of the buffered notifications that had not yet been delivered by the MFAF to the consumer. The key used in this map for each entry is one of the values of the "refIds" attribute provided in the request and the value is the respective buffered notifications. |  |
| suppFeat | SupportedFeatures | C | 0..1 | This attribute represents a list of supported features as described in clause 5.3.8. It shall be present if feature negotiation needs to take place. |  |
| NOTE: The "mfafNotiInfo" and "suppFeat" attributes within the MfafConfiguration data type are not applicable. | | | | | |

Editor’s Note: It is FFS if configs and bufferedNotifs will be defined as maps or arrays.

\*\*\* End of Changes \*\*\*