**3GPP TSG- Meeting #**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** |  | **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:*** | MFAF ContextManagement API OpenAPI | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** |  | | | | | | | | | |
| ***Source to TSG:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** |  | | | | |  | ***Date:*** | | |  |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | In the context of DCCF (and MFAF) relocation, 23.288 clause 6.2.6.3.8 specifies that a Target MFAF may retrieve MFAF subscription context from a Source MFAF using the Nmfaf\_ContextManagement service.  The agreed S2-2410866 provided now also the rest of the detailed requirements for this service.  The Nmfaf\_ContextManagement service is not implemented in 29.576. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Added the OpenAPI for the (new) Nmfaf\_ContextManagement service. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Not implemented stage 2 requirements and incomplete DCCF/MFAF relocation functionality. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | A.4 (new) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS/TR 23.288 CR 1216 | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | | This CR introduces a new OpenAPI file for the Nmfaf\_ContextManagement API. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

\*\*\* First Change \*\*\*

A.4 Nmfaf\_ContextManagement API

openapi: 3.0.0

info:

version: 1.0.0-alpha.1

title: Nmfaf\_ContextManagement

description: |

MFAF Context Management Service.

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externalDocs:

description: 3GPP TS 29.576 V19.1.0; 5G System; Messaging Framework Adaptor Services; Stage 3.

url: 'https://www.3gpp.org/ftp/Specs/archive/29\_series/29.576/'

servers:

- url: '{apiRoot}/nmfaf-contextmanagement/v1'

variables:

apiRoot:

default: https://example.com

description: apiRoot as defined in clause 4.4 of 3GPP TS 29.501.

security:

- oAuth2ClientCredentials:

- nmfaf-contextmanagement

- {}

paths:

/transfer:

post:

summary: Performs the transfer of MFAF configuration(s).

operationId: MFAFTransfer

tags:

- MFAF Transfer

requestBody:

content:

application/json:

schema:

$ref: '#/components/schemas/ContextTransferReq'

required: true

responses:

'200':

description: >

Successful MFAF configuration(s) transfer.

content:

application/json:

schema:

$ref: '#/components/schemas/ContextTransferResp'

'307':

$ref: 'TS29571\_CommonData.yaml#/components/responses/307'

'308':

$ref: 'TS29571\_CommonData.yaml#/components/responses/308'

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

components:

securitySchemes:

oAuth2ClientCredentials:

type: oauth2

flows:

clientCredentials:

tokenUrl: '{nrfApiRoot}/oauth2/token'

scopes:

nmfaf-contextmanagement: Access to the nmfaf-contextmanagement API

schemas:

ContextTransferReq:

description: The contents of an MFAF configuration transfer request.

type: object

properties:

refIds:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Uri'

minItems: 1

description: The resource URIs of the MFAF configurations to be transfered.

suppFeat:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'

required:

- refIds

ContextTransferResp:

description: The contents of an MFAF configuration transfer response.

type: object

properties:

configs:

type: object

additionalProperties:

$ref: 'TS29576\_Nmfaf\_3daDataManagement.yaml#/components/schemas/MfafConfiguration'

minProperties: 1

description: >

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.

bufferedNotifs:

type: object

additionalProperties:

$ref: 'TS29576\_Nmfaf\_3daDataManagement.yaml#/components/schemas/NmfafDataAnaNotification'

minProperties: 1

description: >

A map of the buffered notifications that had not yet been delivered.

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:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'

required:

- configs

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