**3GPP TSG-CT3 Meeting #122e C3-223240**

**E-Meeting, 12th – 20th May 2022**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.538** | **CR** | **0003** | **rev** | **-** | **Current version:** | **17.0.0** |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME | **x** | Radio Access Network |  | Core Network |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Update the Presence condition of appId in Table 8.1.5.2.2-1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei, HiSilicon | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5GMARCH | | | | |  | ***Date:*** | | | 2022-05-04 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-17 |
|  | *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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Align the presence condition of the element Application ID with stage 2, This CR is proposed to update the presence condition in Table 8.1.5.2.2-1. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Update the Presence condition in Table 8.1.5.2.2-1. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The presence condition of the element Application ID is not aligned with stage 2. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 8.1.5.2.2,A.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 introduces backwards compatible correction to the OpenAPI file of the MSGS\_ASRegistration API. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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

8.1.5.2.2 Type: ASRegistration

**Table 8.1.5.2.2-1: Definition of type ASRegistration**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute name** | **Data type** | **P** | **Cardinality** | **Description** | **Applicability** |
| asSvcId | string | M | 1 | The MSGin5G identifier of the Application Server. |  |
| appId | string | O | 0..1 | The identifier of the application specified by the application provider |  |
| targetUri | Uri | O | 0..1 | The URL for receiving message, message delivery status report, etc. The MSGin5G Server uses this URL to interact to AS. |  |
| asProf | ASProfile | O | 0..1 | The profile information of the AS. |  |

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

A.2 MSGS\_ASRegistration API

openapi: 3.0.0

info:

title: MSGS\_ASRegistration

version: 1.0.0-alpha.2

description: |

API for MSGS AS Registration Service.

© 2022, 3GPP Organizational Partners (ARIB, ATIS, CCSA, ETSI, TSDSI, TTA, TTC).

All rights reserved.

externalDocs:

description: >

3GPP TS 29.538 V17.0.0; Enabling MSGin5G Service; Application Programming Interfaces (API)

specification; Stage 3

url: https://www.3gpp.org/ftp/Specs/archive/29\_series/29.538/

servers:

- url: '{apiRoot}/msgs-asregistration/v1'

variables:

apiRoot:

default: https://example.com

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

security:

- {}

- oAuth2ClientCredentials:

- msgs-asregistration

paths:

/registrations:

post:

summary: Registers a new AS at a MSGin5G Server

tags:

- AS registration

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'201':

description: AS information is registered successfully at MSGin5G Server

content:

application/json:

schema:

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

headers:

Location:

description: 'Contains the URI of the newly created resource'

required: true

schema:

type: string

'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'

'503':

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

default:

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

/registrations/{registrationId}:

delete:

summary: Delete an existing AS registration at MSGin5G Server

tags:

- AS DeRegistration

parameters:

- name: registrationId

in: path

description: AS registration Id

required: true

schema:

type: string

responses:

'200':

description: The individual AS registration is deleted successfully.

content:

application/json:

schema:

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

'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'

'429':

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

'500':

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

'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:

msgs-asregistration: Access to the as registration API

schemas:

#

# STRUCTURED DATA TYPES

#

ASRegistration:

description: AS registration data

type: object

required:

- asSvcId

properties:

asSvcId:

type: string

appId:

type: string

targetUri:

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

asProf:

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

ASRegistrationAck:

description: AS registration response data

type: object

required:

- asSvcId

- result

properties:

asSvcId:

type: string

result:

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

ASProfile:

description: AS profile information

type: object

properties:

appName:

type: string

appProviders:

type: array

items:

type: string

minItems: 1

description: The provider of the AS.

appSenarios:

type: array

items:

type: string

minItems: 1

description: The application scenario.

appCategory:

type: string

asStatus:

type: string

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