**3GPP TSG-CT WG3 Meeting #142 *C3-253586***

**Gothenburg, SE, 25 - 29 August 2025 (Revision of C3-253091)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** | **0428** | **rev** | **1** | **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)*.* | | | | | | | | |
|  | | | | | | | | |

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Digital Asset Profile management service API | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** |  | | | | | | | | | |
| ***Source to TSG:*** | C3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | Metaverse\_App | | | | |  | ***Date:*** | | |  |
|  |  | | | |  | |  | | |  |
| ***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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | As per TS 23.438 clause 8.2 explains SS\_DAProfileManagement, API.  The corresponding updates has to be done in stage 3. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Digital Asset profile services API details are updated. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The new Digital asset profile API is missing in stage 3.  Stage 3 is not inline with Stage 2. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.14.1 <new> | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

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

### 5.14.1 SS\_DAProfileManagement API

#### 5.14.1.1 Service Description

The SS\_DAProfileManagement service exposed by the DA server enables a service consumer to:

- manage digital asset profile on a DA server.

#### 5.14.1.2 Service Operations

##### 5.14.1.2.1 Introduction

The service operation defined for SS\_DAProfileManagement API is shown in the table 5.14.1.2.1-1.

Table 5.14.1.2.1-1: Operations of the SS\_DAProfileManagement API

|  |  |  |
| --- | --- | --- |
| Service operation name | Description | Initiated by |
| Create | This service operation is used by VAL server to create digital asset profiles. | VAL server |
| Retrieve | This service operation is used by VAL server to retrieve digital asset profiles. | VAL server |
| Update | This service operation is used by VAL server to update digital asset profiles. | VAL server |
| Delete | This service operation is used by VAL server to delete digital asset profiles. | VAL server |

##### 5.14.1.2.2 Create

###### 5.14.1.2.2.1 General

This service operation is used by a service consumer to manage digital asset profile on a DA server.

The following procedures are supported by the "Create" service operation:

- Create digital asset profile.

###### 5.14.1.2.2.2 Create Digital Asset Profile

To create the digital asset profile, the VAL server shall send HTTP POST request message to DA server. The body of the HTTP POST message shall include the DigitalAssetProfile data type, as specified in the clause 7.13.1.2.2.3.1.

Upon receiving the HTTP POST message as described above, the DA server shall:

1. verify the identity of the VAL server and check if the VAL server is authorized to create DA profile;

2. if the VAL server is authorized to create DA profile, the DA server shall;

a. create a new resource for Individual SEAL DA profile as specified in clause 7.13.1.2.1; and

b. return within the response message body the created resource representation within the DigitalAssetProfile data structure, and within an HTTP Location header the created resource URI in the response message. and

If errors occur when processing the request, the DA Server shall respond to the VAL Server with an appropriate error response as specified in clause 7.13.1.5.

##### 5.14.1.2.3 Retrieve

###### 5.14.1.2.3.1 General

This service operation is used by VAL server to retrieve an individual digital asset profile information.

This service operation is used by a service consumer to retrieve an individual digital asset profile information on a DA server.

The following procedures are supported by the "Retrieve" service operation:

- Retrieve digital asset profiles.

###### 5.14.1.2.3.2 Retrieve Digital Asset Profile

To retrieve the DA profile, the VAL server shall send HTTP GET request message to DA server on the resource URI representing the individual SEAL DA profile, as specified in clause 7.13.1.2.3.3.1.

Upon receiving the HTTP GET message as described above, the DA server shall:

1. verify the identity of the VAL server and check if the VAL server is authorized to retrieve the DA profile;

2. if the VAL server is authorized to retrieve the DA profile, the DA server shall;

a. return the DA profile in DigitalAssetProfile data type, as specified in clause 7.13.1.2.1.

3. if errors occur when processing the request, the DA Server shall respond to the VAL Server with an appropriate error response as specified in clause 7.13.3.5.

##### 5.14.1.2.4 Update

###### 5.14.1.2.4.1 General

The following procedures are supported by the "Update" service operation:

- Update the Digital asset profile.

###### 5.14.1.2.4.2 Update Digital Asset Profile

To modify the DA profile, the VAL server shall send HTTP PUT message to the DA server to the Resource URI identifying the individual SEAL DA profile resource representation, as specified in the clause 7.13.1.2.6.3.2. The VAL server may send an HTTP PATCH request message to the Individual SEAL DA profile resource URI as specified in clause 7.13.1.2.6.3.3. The body of the HTTP PATCH request message shall include the requested modifications as specified in clause 7.13.1.2.6.3.3.

When HTTP PUT is used, the "valServerId" attribute within the DigitalAssetProfile data structure shall not be updated.

Upon receiving the HTTP PUT or PATCH request message, the DA server shall:

1. verify the identity of the VAL server and check if the VAL server is authorized to modify the DA profile;

2. if the VAL server is authorized to modify the information, then the DA server shall;

a. if the DA profile in the request is valid, update/modify the resource identified by the Resource URI of the DA profile received in the request; and

b. return a 200 OK status code with the updated DA profile in the response or a 204 No Content status code.

3. if errors occur when processing the request, the DA Server shall respond to the VAL Server with an appropriate error response as specified in clause 7.13.3.5.

##### 5.14.1.2.5 Delete

###### 5.14.1.2.5.1 General

The following procedures are supported by the "Delete" service operation:

- Delete the Digital asset profile.

###### 5.14.1.2.5.2 Delete digital asset service operation

To delete the DA profile, the VAL server shall send an HTTP DELETE message to the resource representing Individual SEAL DA profile as specified in clause 7.13.1.2.3.3.4.

Upon receiving the HTTP DELETE message, the DA server shall:

1. verify the identity of the VAL server and check if the VAL server is authorized to delete the DA profile; and

2. if the VAL server is authorized to delete the DA profile, the DA server shall delete the resource pointed by the Resource URI for Individual SEAL DA profile.

3. if errors occur when processing the request, the DA Server shall respond to the VAL Server with an appropriate error response as specified in clause 7.13.3.5.

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