**3GPP TSG-CT3 Meeting #112e C3-205060\_r2**

**E-Meeting, 04th – 13th November 2020**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.549** | **CR** | **0010** | **rev** | **1** | **Current version:** | **16.1.0** |  |
|  | | | | | | | | |
| *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:*** | Essential corrections and alignments | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | SBIProtoc16 | | | | |  | ***Date:*** | | | 2020-10-?? |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-16 |
|  | *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:*** | | The following corrections and alignments are necessary:   * The "Resource URI" column of Tables 7.x.1.2.1 of the APIs defined in this specification should contain a relative URI below root instead of a full resource URI, as per the statements in clause 6.5.1: "All resource URIs in the clauses below are defined relative to the above root API URI", i.e. "{apiRoot}/<apiName>/<apiVersion>/". * The notifications description clauses need to be updated to align with the latest API TS skeleton provided in TS 29.501. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | * Update the "Resource URI" column of Tables 5.x.3.1-1 by replacing the full resource URI with the associated relative URI below root, i.e. by removing the part "{apiRoot}/<apiName>/<apiVersion>". * Update the notifications description clauses according to the latest API TS skeleton provided in TS 29.501. * Some related editorial corrections and improvements. | | | | | | | | |
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| ***Consequences if not approved:*** | | Necessary corrections are not applied. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 7.1.1.2.1, 7.2.1.2.1, 7.3.1.2.1, 7.4.1.2.1, 7.4.1.3.1, 7.4.1.3.2.2, 7.5.1.2.1, 7.5.1.3.1, 7.5.1.3.2.2, 7.6.1.2.1, | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 OpenAPI specification files. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Rev 1:   * Add changes to clause 7.4.1.3.2.2 and clause 7.5.1.3.2.2 to align with the SBI TS skeleton. * Remove the quote that was forgotten in the first version of the CR in Table 7.2.1.2.1-1. * Remove unnecessary lines before figures in clause 7.1.1.2.1, clause 7.2.1.2.1, clause 7.3.1.2.1, clause 7.4.1.2.1, clause 7.5.1.2.1 and clause 7.6.1.2.1. | | | | | | | | |

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

7.1.1.2.1 Overview

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**Figure 7.1.1.2.1-1: Resource URI structure of the SS\_LocationReporting API**

Table 7.1.1.2.1-1 provides an overview of the resources and applicable HTTP methods.

**Table 7.1.1.2.1-1: Resources and methods overview**

|  |  |  |  |
| --- | --- | --- | --- |
| **Resource name** | **Resource URI** | **HTTP method or custom operation** | **Description** |
| SEAL Location Reporting Configurations | /trigger-configurations | POST | Creates a new Individual SEAL Location Reporting Configuration information. |
| Individual SEAL Location Reporting Configuration | /trigger-configurations /{configurationId} | GET | Retrieves an Individual SEAL Location Reporting Configuration information identified by {configurationId}. |
| PUT | Updates an Individual SEAL Location Reporting Configuration information identified by {configurationId}. |
| DELETE | Delete an Individual SEAL Location Reporting Configuration information identified by {configurationId}. |

\* \* \* Next changes \* \* \* \*

7.2.1.2.1 Overview

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**Figure 7.2.1.2.1-1: Resource URI structure of the SS\_GroupManagement API**

Table 7.2.1.2.1-1 provides an overview of the resources and applicable HTTP methods.

**Table 7.2.1.2.1-1: Resources and methods overview**

|  |  |  |  |
| --- | --- | --- | --- |
| **Resource name** | **Resource URI** | **HTTP method or custom operation** | **Description** |
| VAL Group Documents | /group-documents | POST | Create a new VAL group document. |
| GET | Retrieve VAL group documents according to the query parameters. If there are no query parameters, do not fetch any VAL group document. |
| Individual VAL Group Document | /group-documents/{groupDocId} | GET | Retrieve an individual VAL group’s membership and configuration information according to query parameters on the resource identified by {groupDocId}. If there are no query parameters, fetch the whole VAL group document resource identified by {groupDocId}. |
| PUT | Update an individual VAL group’s membership and configuration information identified by {groupDocId}. |

\* \* \* Next changes \* \* \* \*

7.3.1.2.1 Overview

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**Figure 7.3.1.2.1-1: Resource URI structure of the SS\_UserProfileRetrieval API**

Table 7.3.1.2.1-1 provides an overview of the resources and applicable HTTP methods.

**Table 7.3.1.2.1-1: Resources and methods overview**

|  |  |  |  |
| --- | --- | --- | --- |
| **Resource name** | **Resource URI** | **HTTP method or custom operation** | **Description** |
| VAL Services | /val-services | GET | Retrieve VAL User or VAL UE's profile information. |

\* \* \* Next changes \* \* \* \*

7.4.1.2.1 Overview

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**Figure 7.4.1.2.1-1: Resource URI structure of the SS\_NetworkResourceAdaptation API**

Table 7.4.1.2.1-1 provides an overview of the resources and applicable HTTP methods.

**Table 7.4.1.2.1-1: Resources and methods overview**

|  |  |  |  |
| --- | --- | --- | --- |
| **Resource name** | **Resource URI** | **HTTP method or custom operation** | **Description** |
| Multicast Subscriptions | /multicast-subscriptions | POST | Create a new Individual Multicast Subscription resource. |
| Individual Multicast Subscription | /multicast-subscriptions/{multiSubId} | GET | Read an Individual Multicast Subscription resource. |
| DELETE | Remove an Individual Multicast Subscription resource. |
| Unicast Subscriptions | /unicast-subscriptions | POST | Create a new Individual Unicast Subscription resource. |
| Individual Unicast Subscription | /unicast-subscriptions/{uniSubId} | GET | Read an Individual Unicast Subscription resource. |
| DELETE | Remove an Individual Unicast Subscription resource. |

\* \* \* Next changes \* \* \* \*

7.4.1.3.1 General

**Table 7.4.1.3.1-1: Notifications overview**

|  |  |  |  |
| --- | --- | --- | --- |
| **Notification** | **Callback URI** | **HTTP method or custom operation** | **Description**  **(service operation)** |
| Notify\_UP\_Delivery\_Mode | {notificationURI} | POST | Report User Plane notification |

\* \* \* Next changes \* \* \* \*

###### 7.4.1.3.2.2 Notification definition

Callback URI: {**notificationURI**}

This method shall support the URI query parameters specified in table 7.4.1.3.2.2-1.

Table 7.4.1.3.2.2-1: URI query parameters supported by the POST method on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| n/a |  |  |  |  |

This method shall support the request data structures specified in table 7.4.1.3.2.2-2 and the response data structures and response codes specified in table 7.4.1.3.2.2-3.

Table 7.4.1.3.2.2-2: Data structures supported by the POST Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| UserPlaneNotification | M | 1 |  |

Table 7.4.1.3.2.2-3: Data structures supported by the POST Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Response codes | Description |
| n/a |  |  | 204 No Content | The receipt of the Notification is acknowledged. |
| NOTE: The mandatory HTTP error status codes for the POST method listed in table 5.2.7.1-1 of 3GPP TS 29.500 [22] also apply. | | | | |

\* \* \* Next changes \* \* \* \*

7.5.1.2.1 Overview

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**Figure 7.5.1.2.1-1: Resource URI structure of the SS\_Events API**

Table 7.5.1.2.1-1 provides an overview of the resources and applicable HTTP methods.

**Table 7.5.1.2.1-1: Resources and methods overview**

|  |  |  |  |
| --- | --- | --- | --- |
| **Resource name** | **Resource URI** | **HTTP method or custom operation** | **Description** |
| SEAL Events Subscriptions | /subscriptions | POST | Creates a new individual SEAL Event Subscription. |
| Individual SEAL Events Subscription | /subscriptions/{subscriptionId} | DELETE | Deletes an individual SEAL Event Subscription identified by the subscriptionId. |

\* \* \* Next changes \* \* \* \*

7.5.1.3.1 General

The delivery of notifications shall conform to clause 6.6.

**Table 7.5.1.3.1-1: Notifications overview**

|  |  |  |  |
| --- | --- | --- | --- |
| **Notification** | **Callback URI** | **HTTP method or custom operation** | **Description**  **(service operation)** |
| SEAL Event Notification | {notificationDestination} | POST | Notifies subscriber of a SEAL Event |

\* \* \* Next changes \* \* \* \*

###### 7.5.1.3.2.2 Notification definition

The POST method shall be used for the event notification and the callback URI shall be the one provided by the VAL server during the subscription to the event.

Callback URI: **{notificationDestination}**

This method shall support the URI query parameters specified in table 7.5.1.3.2.2-1.

Table 7.5.1.3.2.2-1: URI query parameters supported by the POST method on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| n/a |  |  |  |  |

This method shall support the request data structures specified in table 7.5.1.3.2.2-2 and the response data structures and response codes specified in table 7.5.1.3.2.2-3.

Table 7.5.1.3.2.2-2: Data structures supported by the POST Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| SEALEventNotification | M | 1 | Notification information of a SEAL Event |

Table 7.5.1.3.2.2-3: Data structures supported by the POST Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Response codes | Description |
| n/a |  |  | 204 No Content | The receipt of the Notification is acknowledged. |
| NOTE: The mandatory HTTP error status codes for the POST method listed in table 5.2.6-1 of 3GPP TS 29.122 [3] also apply. | | | | |

\* \* \* Next changes \* \* \* \*

7.6.1.2.1 Overview

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**Figure 7.6.1.2.1-1: Resource URI structure of the SS\_KeyInfoRetrieval API**

Table 7.6.1.2.1-1 provides an overview of the resources and applicable HTTP methods.

**Table 7.6.1.2.1-1: Resources and methods overview**

|  |  |  |  |
| --- | --- | --- | --- |
| **Resource name** | **Resource URI** | **HTTP method or custom operation** | **Description** |
| Key records | /key-records | GET | Retrieve key management information uniquely applicable to VAL service, VAL user or VAL UE. |

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