**3GPP TSG-CT WG3 Meeting #135C3-243087\_R1**

**Hyderabad, IN, 27th – 31 th May, 2024**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.549** | **CR** | **0277** | **rev** | **1** | **Current version:** | **18.5.0** |  |
|  | | | | | | | | |
| *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:*** | EN resolution for application error in SEAL APIs | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | SEAL\_Ph3 | | | | |  | ***Date:*** | | | 2024-03-14 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-18 |
|  | *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 Discussion Paper C3-231255 was concluded with the following result:  *CT3 agrees that Solution#1 (definition of the "TARGET\_NOT\_FOUND" application error for the 403 error code) is applicable for the SEAL APIs. CT3 agrees to further study the applicability of the Solution#1 for other NB APIs before defining the above error in any particular API.*  In Release-19, the conclusion on the discussion paper states:  Thus, the related ENs can be removed in Relase-18. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | This CR removes ENs related to the application errors. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The release cannot be frozen without the EN Resolution. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 7.1.3.2.2.4.2, 7.1.3.2.2.4.3, 7.3.2.2.2.3.1, 7.5.1.5.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 any OpenAPI file. | | | | | | | | |
| ***()*** | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

**Additional discussion(if needed):**

**Proposed changes:**

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

7.1.3.2.2.4.2 Operation: Configure

This custom operation enables to configure VAL Service Area(s).

This operation shall support the request data structures specified in table 7.1.3.2.2.4.2-2 and the response data structures and response codes specified in table 7.1.3.2.2.4.2-3.

Table 7.1.3.2.2.4.2-2: Data structures supported by the POST Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| ValServiceAreaReq | M | 1 | Represents the VAL service area(s) configuration information. |

Table 7.1.3.2.2.4.2-3: Data structures supported by the POST Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Response  codes | Description |
| ValServiceAreaResp | M | 1 | 200 OK | Indicates the successfully configured VAL service area ID(s). |
| n/a |  |  | 307 Temporary Redirect | Temporary redirection.  The response shall include a Location header field containing an alternative URI of the resource located in an alternative LM Server.  Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [3]. |
| n/a |  |  | 308 Permanent Redirect | Permanent redirection.  The response shall include a Location header field containing an alternative URI of the resource located in an alternative LM Server.  Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [3]. |
| NOTE: The mandatory HTTP error status codes for the POST method listed in table 5.2.6-1 of 3GPP TS 29.122 [3] shall also apply. | | | | |

Table 7.1.3.2.2.4.2-4: Headers supported by the 307 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | An alternative URI of the resource located in an alternative LM Server. |

Table 7.1.3.2.2.4.2-5: Headers supported by the 308 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | An alternative URI of the resource located in an alternative LM Server. |

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

7.1.3.2.2.4.3 Operation: Update

This custom operation enables to update existing VAL Service Area(s).

This operation shall support the request data structures specified in table 7.1.3.2.2.4.3-2 and the response data structures and response codes specified in table 7.1.3.2.2.4.3-3.

Table 7.1.3.2.2.4.3-2: Data structures supported by the POST Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| ValServiceAreaReq | M | 1 | Represents the VAL service area(s) information that shall be updated. |

Table 7.1.3.2.2.4.3-3: Data structures supported by the POST Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Response  codes | Description |
| ValServiceAreaResp | M | 1 | 200 OK | Indicates the successfully updated VAL service area ID(s). |
| n/a |  |  | 307 Temporary Redirect | Temporary redirection.  The response shall include a Location header field containing an alternative URI of the resource located in an alternative LM Server.  Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [3]. |
| n/a |  |  | 308 Permanent Redirect | Permanent redirection.  The response shall include a Location header field containing an alternative URI of the resource located in an alternative LM Server.  Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [3]. |
| NOTE: The mandatory HTTP error status codes for the POST method listed in table 5.2.6-1 of 3GPP TS 29.122 [3] shall also apply. | | | | |

Table 7.1.3.2.2.4.3-4: Headers supported by the 307 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | An alternative URI of the resource located in an alternative LM Server. |

Table 7.1.3.2.2.4.3-5: Headers supported by the 308 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | An alternative URI of the resource located in an alternative LM Server. |

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

7.3.2.2.2.3.1 GET

This operation retrieves the VAL service data satisfying the filter criteria.

This method shall support the URI query parameters specified in table 7.3.2.2.2.3.1-1.

Table 7.3.2.2.2.3.1-1: URI query parameters supported by the GET method on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| val-tgt-ues | array(ValTargetUe) | O | 1..N | Identifies the list of the target VAL UE(s) or VAL user(s).  (NOTE) |
| val-service-ids | array(string) | O | 1..N | Identifies the list of the target VAL service(s).  (NOTE) |
| supp-feats | SupportedFeatures | O | 0..1 | Contains the list of supported features among the ones defined in clause 7.3.2.7.  This query parameter shall be present only when feature negotiation needs to take place. |
| NOTE: At least one of these query parameters shall be present, unless the request targets to retrieve all the VAL Service Data Set(s) managed by the CM Server. | | | | |

Editor's Note: Whether either the VAL UE(s) or the VAL user(s) can be provided in the query string, or combinations of VAL UE(s) and the VAL user(s) can be provided in the query string of this GET method is FFS and pending stage 2 feedback.

This method shall support the request data structures specified in table 7.3.2.2.2.3.1-2 and the response data structures and response codes specified in table 7.3.2.2.2.3.1-3.

Table 7.3.2.2.2.3.1-2: Data structures supported by the GET Request Body on this resource

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

Table 7.3.2.2.2.3.1-3: Data structures supported by the GET Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Response  codes | Description |
| ValServDataResp | M | 1 | 200 OK | Successful case. The requested VAL Service Data shall be returned. |
| n/a |  |  | 307 Temporary Redirect | Temporary redirectionl.  The response shall include a Location header field containing an alternative URI of the resource located in an alternative CM Server.  Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [3]. |
| n/a |  |  | 308 Permanent Redirect | Permanent redirection.  The response shall include a Location header field containing an alternative URI of the resource located in an alternative CM Server.  Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [3]. |
| NOTE: The mandatory HTTP error status codes for the HTTP GET method listed in table 5.2.6-1 of 3GPP TS 29.122 [3] shall also apply. | | | | |

Table 7.3.2.2.2.3.1-4: Headers supported by the 307 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | Contains an alternative URI of the resource located in an alternative CM Server. |

Table 7.3.2.2.2.3.1-5: Headers supported by the 308 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | Contains an alternative URI of the resource located in an alternative CM server. |

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

##### 7.5.1.5.3 Application Errors

The application errors defined for SS\_Events API are listed in table 7.5.1.5.3-1.

Table 7.5.1.5.3-1: Application errors

|  |  |  |  |
| --- | --- | --- | --- |
| Application Error | HTTP status code | Description | Applicability |
|  |  |  |  |

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