**3GPP TSG-CT WG1 Meeting #130-eC1-213abc**

**Electronic meeting, 20-28 May 2021**

**Source: Huawei, HiSilicon**

**Title: Support of redirection for the Eees\_EASDiscovery API**

**Spec: 3GPP TS 24.558 v0.2.0**

**Agenda item: 17.1.2**

**Document for: Agreement**

**1. Introduction**

None.

**2. Reason for Change**

Under the NBI17 WI, it was agreed to enable all (northbound) APIs from Release 17 to support the redirection functionality as described in the clause 5.2.10 of TS 29.122, quote:

### *5.2.10 Redirection handling*

*An HTTP request may be redirected to a different target entity.*

*Upon receipt of an HTTP request from the SCS/AS, when the SCEF redirects the HTTP request to a different target SCEF, the URI of the target SCEF towards which the request is redirected shall be given by the Location header field of the "307 Temporary Redirect" or "308 Permanent Redirect" response. The SCS/AS should then send the HTTP request towards the new target SCEF.*

*Upon receipt of a notification/callback request from the SCEF, when the SCS/AS redirects the notification/callback request to a different target SCS/AS, the URI of the target SCS/AS towards which the notification/callback request is redirected shall be given by the Location header field of the "307 Temporary Redirect" or "308 Permanent Redirect" response. The SCEF should then send the HTTP request towards the new target SCS/AS.*

**3. Conclusions**

It is therefore proposed to support redirection handling of the Eees\_EASDiscovery API, as described in the clause 5.2.10 of TS 29.122 with the difference that the SCEF is replaced by the EES and the SCS/AS is replaced by the EEC.

**4. Proposal**

It is proposed to agree the following changes to 3GPP TS 24.558 v0.2.0.

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

###### 6.3.2.3.3.1 PUT

This method updates the individual EAS discovery subscription resource by completely replacing the existing subscription data (except subscriptionId). This method shall support the URI query parameters specified in table 6.3.2.3.3.1-1.

Table 6.3.2.3.3.1-1: URI query parameters supported by the PUT method on this resource

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

This method shall support the request data structures specified in table 6.3.2.3.3.1-2 and the response data structures and response codes specified in table 6.3.2.3.3.1-3.

Table 6.3.2.3.3.1-2: Data structures supported by the PUT Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| EASDiscoverySubscription | M | 1 | An individual EAS discovery subscription resource to be updated. |

Table 6.3.2.3.3.1-3: Data structures supported by the PUT Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Responsecodes | Description |
| EASDiscoverySubscription | M | 1 | 200 OK | An individual EAS discovery subscription resource updated successfully. |
| n/a |  |  | 307 Temporary Redirect | Temporary redirection, during resource modification/relocation. The response shall include a Location header field containing an alternative URI of the resource located in an alternative EES. Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [3] with the difference that the SCEF is replaced by the EES and the SCS/AS is replaced by the EEC. |
| n/a |  |  | 308 Permanent Redirect | Permanent redirection, during resource termination. The response shall include a Location header field containing an alternative URI of the resource located in an alternative EES. Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [3] with the difference that the SCEF is replaced by the EES and the SCS/AS is replaced by the EEC. |
| NOTE: The manadatory HTTP error status code for the PUT method listed in Table 5.2.6-1 of 3GPP TS 29.122 [3] also apply. |

Table 6.3.2.3.3.1-4: Headers supported by the PUT method on this resource

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

Table 6.3.2.3.3.1-5: Headers supported by the 200 response code on this resource

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

Table 6.3.2.3.3.1-6: Links supported by the 200 Response Code on this endpoint

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Resource name | HTTP method or custom operation | Link parameter(s) | Description |
| n/a |  |  |  |  |

Table 6.3.2.3.3.1-7: 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 EES. |

Table 6.3.2.3.3.1-8: 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 EES. |

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

###### 6.3.2.3.3.2 DELETE

This method terminates an existing individual EAS discovery subscription. This method shall support the URI query parameters specified in table 6.3.2.3.3.2-1.

Table 6.3.2.3.3.2-1: URI query parameters supported by the DELETE method on this resource

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

This method shall support the request data structures specified in table 6.3.2.3.3.2-2 and the response data structures and response codes specified in table 6.3.2.3.3.2-3.

Table 6.3.2.3.3.2-2: Data structures supported by the DELETE Request Body on this resource

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

Table 6.3.2.3.3.2-3: Data structures supported by the DELETE Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Responsecodes | Description |
| n/a |  |  | 204 No Content | An individual EAS discovery subscription resource deleted successfully. |
| n/a |  |  | 307 Temporary Redirect | Temporary redirection, during resource termination. The response shall include a Location header field containing an alternative URI of the resource located in an alternative EES. Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [3] with the difference that the SCEF is replaced by the EES and the SCS/AS is replaced by the EEC. |
| n/a |  |  | 308 Permanent Redirect | Permanent redirection, during resource termination. The response shall include a Location header field containing an alternative URI of the resource located in an alternative EES. Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [3] with the difference that the SCEF is replaced by the EES and the SCS/AS is replaced by the EEC. |
| NOTE: The manadatory HTTP error status code for the DELETE method listed in Table 5.2.6-1 of 3GPP TS 29.122 [3] also apply. |

Table 6.3.2.3.3.2-4: Headers supported by the DELETE method on this resource

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

Table 6.3.2.3.3.2-5: Headers supported by the 204 response code on this resource

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

Table 6.3.2.3.3.2-6: Links supported by the 200 Response Code on this endpoint

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Resource name | HTTP method or custom operation | Link parameter(s) | Description |
| n/a |  |  |  |  |

Table 6.3.2.3.3.2-7: 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 EES. |

Table 6.3.2.3.3.2-8: 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 EES. |

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