**3GPP TSG-CT WG1 Meeting #135-eC1-222949**

**E-Meeting, 6th – 12th April 2022 was C1-221544**

**Source: Samsung, Huawei, HiSilicon**

**Title: Pseudo-CR on Unifying the Eees\_AppContextRelocation and the and Eees\_SelectedTargetEAS APIs; compromised solution**

**Spec: 3GPP TS 24.558 v1.2.0**

**Agenda item: 17.2.16**

**Document for: Agreement**

**1. Introduction**

This pCR proposes comprised solution for the unification and is based on C1-220687 (Huawei, HiSilicon, InterDigital).

**2. Reason for Change**

This pCR proposes to unify the Eees\_AppContextRelocation API and the Eees\_SelectedTargetEAS API as follows:

***In CT1:***

 Define API definition (along with resources and data model)

 Define service operation specific to EEC (i.e. ACR Initiation and ACR Determination), If EEC specific security handling is required then that can be specified in service operations defined in CT1.

 Define Open API Specification

***In CT3:*** (Check CT3 proposal in C3-221270)

 Define service operation specific to EAS (i.e. ACR Determination and Selected Target EAS), If EAS specific security handling is required then that can be specified in service operations defined in CT3.

 Specify clause to reuse API definition and Open API specification as defined in CT1.

**3. Conclusions**

N/A.

**4. Proposal**

It is proposed to agree the following changes to 3GPP TS 24.558 v1.2.0.

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

## 3.1 Terms

For the purposes of the present document, the terms given in 3GPP TR 21.905 [1] and the following apply. A term defined in the present document takes precedence over the definition of the same term, if any, in 3GPP TR 21.905 [1].

For the purposes of the present document, the following terms and definitions given in 3GPP TS 23.558 [2] apply:

**Application Context**

**Application Context Relocation**

EEC Context

Definition format (Normal)

**<defined term>:** <definition>.

**example:** text used to clarify abstract rules by applying them literally.

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

## 5.1 Introduction

The table 5.1-1 lists the Edge Enabler Server APIs below the service name. A service description clause for each API gives a general description of the related API.

Table 5.1-1: List of EES Service APIs

|  |  |  |  |
| --- | --- | --- | --- |
| Service Name | Service Operations | Operation Semantics | Consumer(s) |
| Eees\_EECRegistration | Request | Request/Response | EEC |
| Update | Request/Response | EEC |
| Deregister | Request/Response | EEC |
| Eees\_AppContextRelocation | Determine | Request/Response | EEC, EAS |
| Initiate | Request/Response | EEC |
|  |  |  |

Table 5.1-2 summarizes the corresponding Edge Enabler Server APIs defined in this specification.

Table 5.1-2: API Descriptions

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Service Name | Clause | Description | OpenAPI Specification File | apiName | Annex |
| Eees\_AppContextRelocation | 6.5 | Eees Application Context Relocation | TS24558\_Eees\_AppContextRelocation.yaml | Eees-appctxtreloc | A.X |

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

## 5.x Eees\_AppContextRelocation Service

### 5.x.1 Service Description

The Eees\_AppContextRelocation API, as defined in 3GPP TS 23.558 [2], allows an EEC to request to launch Application Context Relocation towards a given EES via the Eees interface.

### 5.x.2 Service Operations

#### 5.x.2.1 Introduction

The service operation defined for Eees\_AppContextRelocation API is shown in the table 5.x.2.1-1.

Table 5.x.2.1-1: Operations of the Eees\_AppContextRelocation API

|  |  |  |
| --- | --- | --- |
| Service operation name | Description | Initiated by |
| Eees\_AppContextRelocation\_Determine | This service operation enables to request ACR determination. | EEC |
| Eees\_AppContextRelocation\_Initiate | This service operation enables to request ACR initiation. | EEC |
|  |  |  |

#### 5.x.2.2 Eees\_AppContextRelocation\_Determine

##### 5.x.2.2.1 General

This service operation is used by an EEC to request ACR determination to the EES.

The following procedures are supported by the "Eees\_AppContextRelocation\_Determine" service operation:

- ACR Determination.

##### 5.x.2.2.2 ACR Determination

In order to request ACR determination, the EEC shall send an HTTP POST request to the EES, with the request URI set to "{apiRoot}/eees-appctxtreloc/v1/determine" and the request body including the ACRDetermReq data structure that shall contain the necessary information to enable the EES to carry out ACR determination.

Upon receiving the HTTP POST message from the EEC, the EES shall:

1. process the ACR determination request;

2. verify if the EEC is authorized to request ACR determination;

3. if the EEC is authorized to request the ACR, then:

a. the S-EES determines the T-EES via the Discover T-EAS procedure and may notify the EEC with target information and/or ACR result notification;

Upon success, the EES responds with an HTTP "204 No Content" status code.

On failure, the appropriate HTTP status code indicating the error shall be returned and appropriate additional error information should be returned in the POST response body.

#### 5.x.2.3 Eees\_AppContextRelocation\_Initiate

##### 5.x.2.3.1 General

This service operation is used by an EEC to request ACR initiation to the EES.

The following procedures are supported by the "Eees\_AppContextRelocation\_Initiate" service operation:

- ACR Initiation.

##### 5.x.2.3.2 ACR Initiation

In order to request ACR initiation, the EEC shall send an HTTP POST request to the EES, with the request URI set to "{apiRoot}/eees-appctxtreloc/v1/initiate" and the request body including the ACRInitReq data structure that shall contain the necessary information to enable the EES to carry out ACR initiation.

Upon receiving the HTTP POST message from the EEC, the EES shall:

a) process the ACR initiation request information;

b) verify if the EEC is authorized to request ACR initiation at EES and;

c) if the EEC is authorized to ACR initiation with EES, then;

1) if T-EAS routing information (i.e. N6 routing information) is included in HTTP POST message:

i) the EES may apply AF traffic influence with the N6 routing information in the 3GPP Core Network as specified in clause 4.4.7 of 3GPP TS 29.522 [r29522];

2) if EAS notification indication is included in the HTTP POST message, the EES shall notify the EAS to start the ACR towards the T-EAS;

3) if EEC context relocation details is included in HTTP POST message, then

i) if T-EES is different than current EES, then EES shall initiate EEC Context Push towards T-EES as specified in clause 5.11 of 3GPP TS 29.558 [4]; or

ii) If the EEC context ID and the S-EES Endpoint are included, then EES shall initiate EEC Context Pull (using EEC Context ID) towards S-EES as specified in clause 5.10 of 3GPP TS 29.558 [4];

iii) If Previous T-EAS Endpoint is included in HTTP POST message, then:

A) if the previous EAS notification indication is included in the HTTP POST message, the EES shall notify the cancellation of the ACR to the EAS;

4) the EES shall return the response message.

Upon success, the EES responds with an HTTP "204 No Content" status code.

On failure, the appropriate HTTP status code indicating the error shall be returned and appropriate additional error information should be returned in the POST response body.

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

## 6.5 Eees\_AppContextRelocation API

### 6.5.1 Introduction

The Eees\_AppContextRelocation service shall use the Eees\_AppContextRelocation API.

The API URI of the Eees\_AppContextRelocation API shall be:

**{apiRoot}/<apiName>/<apiVersion>**

The request URI used in HTTP requests shall have the Resource URI structure defined in clause 6.1, i.e.:

**{apiRoot}/<apiName>/<apiVersion>/<apiSpecificResourceUriPart>**

with the following components:

- The {apiRoot} shall be set as described in clause 6.1.

- The <apiName> shall be "eees-appctxtreloc".

- The <apiVersion> shall be "v1".

- The <apiSpecificResourceUriPart> shall be set as described in clause 6.1.

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

### 6.5.2 Resources

There are no resources defined for this API in this release of the specification.

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |

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

#### 6.5.3.1 Overview

The structure of the custom operation URIs of the Eees\_AppContextRelocation API is shown in Figure 6.5.3.1-1.



Figure 6.5.3.1-1: Resource URI structure of the Eees\_AppContextRelocation API

Table 6.5.3.1-1 provides an overview of the custom operations and applicable HTTP methods defined for the Eees\_AppContextRelocation API.

Table 6.5.3.1-1: Custom operations without associated resources

|  |  |  |  |
| --- | --- | --- | --- |
| Operation name | Custom operation URI | Mapped HTTP method | Description |
| Determine | /determine | POST | EES or EAS determines if ACR is needed and may initiate the procedure. |
| Initiate | /initiate | POST | EES initiates the requested ACR procedure. |
| Declare | /declare | POST | EAS declares the selected target EAS and the associated information. |

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

##### 6.5.3.2.1 Description

This custom operation allows the EEC or the EAS to request that the EES evaluates if ACR is needed and subsequently initiate the ACR procedure, if required.

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

##### 6.5.3.2.2 Operation Definition

This operation shall support the request data structures, the response data structures and response codes specified in tables 6.5.3.2.2-1 and 6.5.3.2.2-2.

Table 6.5.3.2.2-1: Data structures supported by the POST Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| AcrDetermReq | M | 1 | Information about the requestor and requested ACR operation |

Table 6.5.3.2.2-2: Data structures supported by the POST Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Responsecodes | Description |
| n/a |  |  | 204 No Content | Successful case. The ACR request is successfully received and processed. |
| n/a |  |  | 307 Temporary Redirect | Temporary redirection. The response shall include a Location header field containing an alternative target URI located in an alternative EES.Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [2]. |
| n/a |  |  | 308 Permanent Redirect | Permanent redirection. The response shall include a Location header field containing an alternative target URI located in an alternative EES.Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [2] |
| NOTE: The mandatory HTTP error status code for the POST method listed in Table 5.2.6-1 of 3GPP TS 29.122 [3] also apply. |

Table 6.5.3.2.2-3: Headers supported by the 307 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | An alternative target URI located in an alternative EES. |

Table 6.5.3.2.2-4: Headers supported by the 308 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | An alternative target URI located in an alternative EES. |

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

##### 6.5.3.3.2 Operation Definition

This operation shall support the request data structures and the response data structures and response codes specified in tables 6.5.3.3.2-1 and 6.5.3.3.2-2.

Table 6.5.3.3.2-1: Data structures supported by the POST Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| AcrInitReq | M | 1 | Information about the requestor and requested ACR operation |

Table 6.5.3.3.2-2: Data structures supported by the POST Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Responsecodes | Description |
| n/a |  |  | 204 No Content | Successful case. The ACR request is successfully received and processed. |
| n/a |  |  | 307 Temporary Redirect | Temporary redirection. The response shall include a Location header field containing an alternative target URI located in an alternative EES.Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [2]. |
| n/a |  |  | 308 Permanent Redirect | Permanent redirection. The response shall include a Location header field containing an alternative target URI located in an alternative EES.Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [2] |
| NOTE: The mandatory HTTP error status code for the POST method listed in Table 5.2.6-1 of 3GPP TS 29.122 [3] also apply. |

Table 6.5.3.3.2-3: Headers supported by the 307 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | An alternative target URI located in an alternative EES. |

Table 6.5.3.3.2-4: Headers supported by the 308 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | An alternative target URI located in an alternative EES. |

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

#### 6.5.3.x Operation: Declare

##### 6.5.3.x.1 Description

This custom operation allows an S-EAS to declare the selected target EAS and the associated information.

##### 6.5.3.x.2 Operation Definition

This operation shall support the request data structures and the response data structures and response codes specified in tables 6.5.3.x.2-1 and 6.5.3.x.2-2.

Table 6.5.3.x.2-1: Data structures supported by the POST Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| AcrDecReq | M | 1 | Contains the selected target EAS information. |

Table 6.5.3.x.2-2: Data structures supported by the POST Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Responsecodes | Description |
| n/a |  |  | 204 No Content | Successful case. The selected target EAS information is successfully received. |
| n/a |  |  | 307 Temporary Redirect | Temporary redirection. The response shall include a Location header field containing an alternative target URI located in an alternative EES.Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [2]. |
| n/a |  |  | 308 Permanent Redirect | Permanent redirection. The response shall include a Location header field containing an alternative target URI located in an alternative EES.Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [2] |
| NOTE: The mandatory HTTP error status code for the POST method listed in Table 5.2.6-1 of 3GPP TS 29.122 [3] also apply. |

Table 6.5.3.x.2-3: Headers supported by the 307 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | An alternative target URI located in an alternative EES. |

Table 6.5.3.x.2-4: Headers supported by the 308 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | An alternative target URI located in an alternative EES. |

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

#### 6.5.5.1 General

This clause specifies the application data model supported by the Eees\_AppContextRelocation API.

Table 6.5.5.1-1 specifies the data types defined specifically for the Eees\_AppContextRelocation API service.

Table 6.5.5.1-1: Eees\_AppContextRelocation API specific Data Types

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Section defined | Description | Applicability |
| AcrDecReq | 6.5.5.2.y |  |  |
| AcrDetermReq | 6.5.5.2.2 |  |  |
| AcrInitReq | 6.5.5.2.3 |  |  |
|  |  |  |  |
| EecCtxtReloc | 6.5.5.2.z |  |  |

Table 6.5.5.1-2 specifies data types re-used by the Eees\_AppContextRelocation API service from other specifications, including a reference to their respective specifications and when needed, a short description of their use within the Eees\_AppContextRelocation.

Table 6.5.5.1-2: Re-used Data Types

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Reference | Comments | Applicability |
| RouteToLocation | 3GPP TS 29.571 [5] | Represent the N6 traffic routing information and/or routing profile ID for a DNAI. |  |
| EndPoint | 3GPP TS 29.558 [4] | Represents the endpoint information of an EAS. |  |
| Gpsi | 3GPP TS 29.571 [5] | Represents a GPSI. |  |

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

##### 6.5.5.2.1 Introduction

This clause defines the data structures to be used in resource representations.

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

##### 6.5.5.2.2 Type: AcrDetermReq

Table 6.5.5.2.2-1: Definition of type AcrDetermReq

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| requestorId | string | M | 1 | Contains the identifier of the EEC or the EAS that is sending the request. |  |
| easId | string | O | 0..1 | Contains the identifier of the EAS. |  |
| sEasEndpoint | EndPoint | M | 1 | Contains the endpoint information of the selected S-EAS. |  |
| ueId | Gpsi | C | 0..1 | Contains the identifier of the concerned UE.This attribute shall be provided if the ACR request originates from an EEC. |  |
| acId | string | O | 0..1 | Contains the identifier of the AC. |  |

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

##### 6.5.5.2.3 Type: AcrInitReq

Table 6.5.5.2.3-1: Definition of type AcrInitReq

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| requestorId | string | M | 1 | Contains the identifier of the EEC that is sending the request. |  |
| easId | string | O | 0..1 | Contains the identifier of the EAS. |  |
| ueId | Gpsi | O | 0..1 | Contains the identifier of the concerned UE.This attribute shall be provided if the ACR request originates from an EEC. |  |
| acId | string | O | 0..1 | Contains the identifier of the AC. |  |
| tEasEndpoint | EndPoint | M | 1 | Contains the endpoint information of the T-EAS. |  |
| sEasEndpoint | EndPoint | C | 0..1 | Contains the endpoint information of the S-EAS.This attribute shall be provided when the "easNotifInd" attribute is set to "true" or when the "prevEasNotifInd" attribute is present and set to "true". |  |
| prevTEasEndpoint | EndPoint | C | 0..1 | Contains the endpoint information of the previous T-EAS.This attribute shall be provided when the EEC re-sends the ACR request to indicate that a previous ACR is to be cancelled. |  |
| routeReq | RouteToLocation | O | 0..1 | Contains the T-EAS's DNAI information and the corresponding N6 traffic routing information and/or routing profile ID. |  |
| easNotifInd | boolean | C | 1 | Indicates whether the EAS should be notified about the need for ACR or ACR cancellation."true": Notification required."false" (default): Notification not required. |  |
| prevEasNotifInd | boolean | C | 0..1 | Indicates whether the EAS should be notified about ACR cancellation."true": Notification required."false" (default): Notification not required.This attribute shall be provided when the EEC re-sends the ACR request to indicate that a previous ACR is to be cancelled. |  |
| eecCtxtReloc | EecCtxtReloc | O | 0..1 | Contains EEC context relocation information. |  |

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

##### 6.5.5.2.y Type: AcrDecReq

Table 6.5.5.2.y-1: Definition of type AcrDecReq

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| requestorId | string | M | 1 | Contains the identifier of the EAS that is sending the request. |  |
| ueId | Gpsi | M | 1 | Contains the identifier of the concerned UE. |  |
| acId | string | O | 0..1 | Contains the identifier of the AC. |  |
| tEasId | string | M | 1 | Contains the identifier of the selected target EAS. |  |
| tEasEndpoint | EndPoint | M | 1 | Contains the endpoint information of the selected target EAS. |  |

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

##### 6.5.5.2.z Type: EecCtxtReloc

Table 6.5.5.2.z-1: Definition of type EecCtxtReloc

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| eecCtxtId | string | M | 1 | Contains the identifier of the concerned EEC context. |  |
| sEesId | string | O | 0..1 | Contains the identifier of the S-EES.This attribute may be provided only if the ACR request is from the EEC to the T-EES. |  |
| sEesEndpoint | EndPoint | O | 0..1 | Contains the endpoint information of the selected S-EES.This attribute may be provided only if the ACR request is from the EEC to the T-EES. |  |
| tEesId | string | O | 0..1 | Contains the identifier of the T-EES.This attribute may be provided only if the ACR request is from the EEC to the S-EES. |  |
| tEesEndpoint | EndPoint | O | 0..1 | Contains the endpoint information of the selected T-EES.This attribute may be provided only if the ACR request is from the EEC to the S-EES. |  |

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

### 6.5.7 Feature negotiation

General feature negotiation procedures are defined in clause 6.1. Table 6.5.7-1 lists the supported features for Eees\_AppContextRelocation API.

Table 6.5.7-1: Supported Features

|  |  |  |
| --- | --- | --- |
| Feature number | Feature Name | Description |
|  |  |  |

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

## A.X Eees\_AppContextRelocation API

openapi: 3.0.0

info:

 title: Eees Application Context Relocation Service

 version: 1.0.0-alpha.1

 description: |

 Eees Application Context Relocation Service.

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externalDocs:

 description: 3GPP TS 24.558 V1.1.0; Enabling Edge Applications; Protocol specification; Stage 3.

 url: http://www.3gpp.org/ftp/Specs/archive/29\_series/24.558/

servers:

 - url: '{apiRoot}/eees-appctxtreloc/v1'

 variables:

 apiRoot:

 default: https://example.com

 description: apiRoot as defined in clause 5.2.4 of 3GPP TS 29.122

security:

 - {}

 - oAuth2ClientCredentials:

 - eees-appctxtreloc

paths:

 /determine:

 post:

 summary: Request ACR determination.

 operationId: Determine

 tags:

 - Determine ACR

 requestBody:

 required: true

 content:

 application/json:

 schema:

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

 responses:

 '204':

 description: No Content.

 '307':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/307'

 '308':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/308'

 '400':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/400'

 '401':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/401'

 '403':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/403'

 '404':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/404'

 '411':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/411'

 '413':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/413'

 '415':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/415'

 '429':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/429'

 '500':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/500'

 '503':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/503'

 default:

 $ref: 'TS29122\_CommonData.yaml#/components/responses/default'

 /initiate:

 post:

 summary: Request the initiation of ACR.

 operationId: Initiate

 tags:

 - Initiate ACR

 requestBody:

 required: true

 content:

 application/json:

 schema:

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

 responses:

 '204':

 description: No Content.

 '307':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/307'

 '308':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/308'

 '400':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/400'

 '401':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/401'

 '403':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/403'

 '404':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/404'

 '411':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/411'

 '413':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/413'

 '415':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/415'

 '429':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/429'

 '500':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/500'

 '503':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/503'

 default:

 $ref: 'TS29122\_CommonData.yaml#/components/responses/default'

 /declare:

 post:

 summary: Informs about the selected target EAS and provides the associated information.

 operationId: Declare

 tags:

 - Declare selected target EAS

 requestBody:

 required: true

 content:

 application/json:

 schema:

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

 responses:

 '204':

 description: No Content. The selected target EAS information is successfully received.

 '307':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/307'

 '308':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/308'

 '400':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/400'

 '401':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/401'

 '403':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/403'

 '404':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/404'

 '411':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/411'

 '413':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/413'

 '415':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/415'

 '429':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/429'

 '500':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/500'

 '503':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/503'

 default:

 $ref: 'TS29122\_CommonData.yaml#/components/responses/default'

components:

 securitySchemes:

 oAuth2ClientCredentials:

 type: oauth2

 flows:

 clientCredentials:

 tokenUrl: '{nrfApiRoot}/oauth2/token'

 scopes:

 eees-appctxtreloc: Access to the Eees\_AppContextRelocation API

 schemas:

 AcrDetermReq:

 description: Represents the parameters to request ACR with action determination.

 type: object

 properties:

 requestorId:

 type: string

 ueId:

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

 acId:

 type: string

 easId:

 type: string

 sEasEndpoint:

 $ref: 'TS29558\_Eees\_EASRegistration.yaml#/components/schemas/EndPoint'

 required:

 - requestorId

 - sEasEndpoint

 AcrInitReq:

 description: Represents the parameters to request ACR with action initiation.

 type: object

 properties:

 requestorId:

 type: string

 ueId:

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

 acId:

 type: string

 easId:

 type: string

 tEasEndpoint:

 $ref: 'TS29558\_Eees\_EASRegistration.yaml#/components/schemas/EndPoint'

 sEasEndpoint:

 $ref: 'TS29558\_Eees\_EASRegistration.yaml#/components/schemas/EndPoint'

 prevTEasEndpoint:

 $ref: 'TS29558\_Eees\_EASRegistration.yaml#/components/schemas/EndPoint'

 routeReq:

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

 easNotifInd:

 type: boolean

 default: false

 prevEasNotifInd:

 type: boolean

 default: false

 eecCtxtReloc:

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

 required:

 - requestorId

 - tEasEndpoint

 - easNotifInd

 AcrDecReq:

 description: Represents the parameters to inform about the selected target EAS and provide the associated information.

 type: object

 properties:

 ueId:

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

 acId:

 type: string

 tEasId:

 type: string

 tEasEndpoint:

 $ref: 'TS29558\_Eees\_EASRegistration.yaml#/components/schemas/EndPoint'

 required:

 - ueId

 - tEasId

 - tEasEndpoint

 EecCtxtReloc:

 description: Represents EEC Context relocation information.

 type: object

 properties:

 eecCtxtId:

 type: string

 sEesId:

 type: string

 sEecEndpoint:

 $ref: 'TS29558\_Eees\_EASRegistration.yaml#/components/schemas/EndPoint'

 tEesId:

 type: string

 tEecEndpoint:

 $ref: 'TS29558\_Eees\_EASRegistration.yaml#/components/schemas/EndPoint'

 required:

 - eecCtxtId

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