**3GPP TSG- WG3 Meeting # *750***

**, - , August, 2022** *(revision of C3-224abc)*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** | **8** | **rev** | - | **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:*** | Update of info and externalDocs fields | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** |  | | | | | | | | | |
| ***Source to TSG:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI17 | | | | |  | ***Date:*** | | | 2022-08-29 |
|  |  | | | |  | |  | | |  |
| ***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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | CRs modifying the EDEGAPP APIs have been agreed and the version number of the corresponding OpenAPI file thus needs to be incremented following the rules in TS 29.501, subclause 4.3.1.  The following are the agreed CRs that update the various EDGEAPP OpenAPI files for the present release:  Eees\_ACRManagementEvent API  - CR#0014 - Backward compatible correction  Eees\_EECContextRelocation API  - CR#0008 - Backward compatible correction  Eees\_EELManagedACR API  - CR#0009 - Backward compatible Correction  Eees\_ACRStatusUpdate API  - CR#0006 - Backward compatible Correction  Eecs\_EESRegistration API  - CR#0015 - Backward compatible correction  As the changes are Backward compatible corrections, the PATCH number of the API’s version need to be incremented.  Since a new TS version will be provided with changes to the OpenAPI specification file, the TS version number included in the "description" field of the "externalDocs" object also needs to be updated. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | The EDGEAPP APIs version is updated as   * Eees\_EECContextRelocation API set to value "1.0.1". * Eees\_EELManagedACR API set to value "1.0.1". * Eees\_ACRManagementEvent API set to value "1.0.1". * Eees\_ACRStatusUpdate API set to value "1.0.1". * Eecs\_EESRegistration API set to value "1.0.1".   For all the impacted Open APIs,   * The TS version number in the "description" field of the "externalDocs" object is changed to "17.1.0". | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Incorrect API version number and incorrect TS version number in the "description" field of the "externalDocs" object. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | A.7, A.8, A.9, A.10, A.11 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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's revision history:*** | |  | | | | | | | | |

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

# A.7 Eees\_ACRManagementEvent API

openapi: 3.0.0

info:

title: EES ACR Management Event\_API

description: |

API for EES ACR Management Event.

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version: 1.0.1

externalDocs:

description: >

3GPP TS 29.558 V17.1.0 Enabling Edge Applications;

Application Programming Interface (API) specification; Stage 3

url: https://www.3gpp.org/ftp/Specs/archive/29\_series/29.558/

security:

- {}

- oAuth2ClientCredentials: []

servers:

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

variables:

apiRoot:

default: https://example.com

description: apiRoot as defined in clause 7.5 of 3GPP TS 29.558.

paths:

/subscriptions:

post:

description: Create an Individual ACR Management Event Subscription resource.

requestBody:

required: true

content:

application/json:

schema:

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

callbacks:

ACRManagementEventsNotification:

'{request.body#/notificationDestination}':

post:

requestBody: # contents of the callback message

required: true

content:

application/json:

schema:

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

responses:

'204':

description: No Content (successful notification)

'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'

UPPathChangeAvailabilityNotif:

'{request.body#/notificationDestination}/report-availability':

post:

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'204':

description: No Content. The notification is successful 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'

responses:

'201':

description: Created (Successful creation)

content:

application/json:

schema:

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

headers:

Location:

description: 'Contains the URI of the newly created resource'

required: true

schema:

type: string

'204':

description: >

Successful case. The resource has been successfully created and no

additional content is to be sent in the response message.

'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'

get:

description: Retrieve all the ACR Management Events Subscriptions information.

parameters:

- name: supp-feat

in: query

description: Features supported by the EAS.

required: false

schema:

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

responses:

'200':

description: OK (Successful get all of the active subscriptions)

content:

application/json:

schema:

type: array

items:

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

minItems: 1

description: All the active ACR management events subscriptions

'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'

'406':

$ref: 'TS29122\_CommonData.yaml#/components/responses/406'

'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'

/subscriptions/{subscriptionId}:

get:

description: Retrieve an Individual ACR Management Events Subscription.

parameters:

- name: subscriptionId

in: path

description: Subscription Id.

required: true

schema:

type: string

- name: supp-feat

in: query

description: Features supported by the EAS.

required: false

schema:

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

responses:

'200':

description: OK (Successful get the active subscription).

content:

application/json:

schema:

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

'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'

'406':

$ref: 'TS29122\_CommonData.yaml#/components/responses/406'

'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'

put:

description: Fully replace an existing Individual ACR Management Events Subscription.

parameters:

- name: subscriptionId

in: path

description: Subscription Id.

required: true

schema:

type: string

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'200':

description: OK (Successful get the active subscription).

content:

application/json:

schema:

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

'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'

patch:

parameters:

- name: subscriptionId

in: path

description: Subscription Id.

required: true

schema:

type: string

requestBody:

description: Partial update an existing Individual ACR Management Events Subscription.

required: true

content:

application/merge-patch+json:

schema:

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

responses:

'200':

description: >

The Individual ACR Management Events Subscription is successfully modified

and the updated subscription information is returned in the response.

content:

application/json:

schema:

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

'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'

delete:

description: Delete an existing Individual ACR Management Events Subscription.

parameters:

- name: subscriptionId

in: path

description: Subscription Id.

required: true

schema:

type: string

responses:

'204':

description: The individual subscription is deleted.

'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'

'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

components:

securitySchemes:

oAuth2ClientCredentials:

type: oauth2

flows:

clientCredentials:

tokenUrl: '{tokenUrl}'

scopes: {}

schemas:

AcrMgntEventsSubscription:

type: object

description: Represents an Individual ACR Management Events Subscription.

properties:

self:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/Uri'

easId:

type: string

description: Identifier of an EAS.

eventSubscs:

type: array

items:

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

minItems: 1

description: The subscribed ACR management events.

evtReq:

$ref: 'TS29523\_Npcf\_EventExposure.yaml#/components/schemas/ReportingInformation'

notificationDestination:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/Uri'

eventReports:

type: array

items:

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

minItems: 1

description: The ACR management event report(s).

failEventReports:

type: array

items:

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

minItems: 1

description: Failure event reports.

requestTestNotification:

type: boolean

description: >

Set to true by the EAS to request the EES to send a test notification.

Set to false or omitted otherwise.

websockNotifConfig:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/WebsockNotifConfig'

suppFeat:

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

required:

- easId

- eventSubscs

- notificationDestination

AcrMgntEventSubsc:

type: object

description: Represents an ACR Management Event Subscription.

properties:

event:

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

eventFilter:

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

evtReq:

$ref: 'TS29523\_Npcf\_EventExposure.yaml#/components/schemas/ReportingInformation'

tgtUeId:

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

dnaiChgType:

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

easAckInd:

type: boolean

easChars:

type: array

items:

$ref: 'TS24558\_Eees\_EASDiscovery.yaml#/components/schemas/EasCharacteristics'

minItems: 1

description: A list of EAS characteristics.

required:

- event

AcrMgntEventsSubscriptionPatch:

type: object

description: >

Represents a modification request of Individual ACR Management Events Subscription.

properties:

eventSubscs:

type: array

items:

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

minItems: 1

description: The subscribed ACR management events.

evtReq:

$ref: 'TS29523\_Npcf\_EventExposure.yaml#/components/schemas/ReportingInformation'

notificationDestination:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/Uri'

AcrMgntEventsNotification:

type: object

description: Represents the ACR management events notification.

properties:

subpId:

type: string

description: >

String identifying the Individual ACR Management Events Subscription

for which the notification is delivered.

eventReports:

type: array

items:

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

minItems: 1

description: A list of ACR management event reports.

required:

- subpId

- eventReports

AcrMgntEventReport:

type: object

description: Represents an ACR management event report.

properties:

event:

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

timeStamp:

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

upPathChgInfo:

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

easEndPoint:

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

actStatus:

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

required:

- event

FailureAcrMgntEventInfo:

type: object

description: Represents a failure ACR management event.

properties:

event:

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

failureCode:

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

required:

- event

- failureCode

TargetUeIdentification:

description: Identifies the target UE information.

type: object

properties:

gpsi:

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

intGrpId:

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

extGrpId:

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

ueIpAddr:

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

oneOf:

- required: [gpsi]

- required: [intGrpId]

- required: [extGrpId]

- required: [ueIpAddr]

AvailabilityNotif:

type: object

description: >

Represents the availability information of user plane path management events monitoring

via the 3GPP 5GC network.

properties:

availabilityStatus:

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

required:

- availabilityStatus

UpPathChangeInfo:

description: Represents user plane path change information.

type: object

properties:

ueId:

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

dnaiChgType:

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

sourceTrafficRoute:

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

targetTrafficRoute:

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

sourceDnai:

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

targetDnai:

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

srcUeIpv4Addr:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/Ipv4Addr'

srcUeIpv6Prefix:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Ipv6Prefix'

tgtUeIpv4Addr:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/Ipv4Addr'

tgtUeIpv6Prefix:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Ipv6Prefix'

required:

- ueId

- dnaiChgType

IndUeIdentification:

description: Represents identification information of a UE.

type: object

properties:

gpsi:

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

externalId:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/ExternalId'

ueIpAddr:

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

oneOf:

- required: [gpsi]

- required: [externalId]

- required: [ueIpAddr]

AcrMgntEvent:

anyOf:

- type: string

enum:

- UP\_PATH\_CHG

- ACR\_MONITORING

- ACR\_FACILITATION

- ACT\_START\_STOP

- type: string

description: >

This string represents the ACR management.

description: |

Possible values are:

- UP\_PATH\_CHG: User plane path change event.

- ACR\_MONITORING: ACR monitoring event.

- ACR\_FACILITATION: ACR facilitation event.

- ACT\_START\_STOP: ACT start/stop event.

AcrMgntEventFilter:

anyOf:

- type: string

enum:

- INTRA\_EDN\_MOBILITY

- INTER\_EDN\_MOBILITY

- type: string

description: >

This string represents the ACR Management Event filter.

description: |

Possible values are:

- INTRA\_EDN\_MOBILITY: Indicates that the ACR Management Event filter is intra-EDN mobility.

- INTER\_EDN\_MOBILITY: Indicates that the ACR Management Event filter is inter-EDN mobility.

ActStatus:

anyOf:

- type: string

enum:

- ACT\_START

- ACT\_STOP

- type: string

description: >

This string represents the ACT status, i.e. ACT start or stop.

description: |

Possible values are:

- ACT\_START: Indicates ACT start.

- ACT\_STOP: Indicates ACT stop.

AcrMgntEventFailureCode:

anyOf:

- type: string

enum:

- 3GPP\_UP\_PATH\_CHANGE\_MON\_NOT\_AVAILABLE

- OTHER\_REASONS

- type: string

description: >

This string represents the reason for ACR Management subscription failure for an event.

description: |

Possible values are:

- 3GPP\_UP\_PATH\_CHANGE\_MON\_NOT\_AVAILABLE: Indicates that the ACR Management Event Subscription failed because user plane path management event notifications from the 3GPP network is NOT available. This value is only applicable for the "UP\_PATH\_CHG", "ACR\_MONITORING" and "ACR\_FACILITATION" events.

- OTHER\_REASONS: Indicates that the ACR Management Event Subscription failed for other reasons. This value is applicable for all events.

AvailabilityStatus:

anyOf:

- type: string

enum:

- AVAILABLE

- NOT\_AVAILABLE

- type: string

description: >

This string represents the availability status.

description: |

Possible values are:

- AVAILABLE: Indicates availability.

- NOT\_AVAILABLE: Indicates unavailability.

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

# A.8 Eees\_EECContextRelocation API

openapi: 3.0.0

info:

title: EES EEC Context Relocation API

description: |

API for EEC Context Relocation.

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version: 1.0.1

externalDocs:

description: >

3GPP TS 29.558 V17.1.0 Enabling Edge Applications;

Application Programming Interface (API) specification; Stage 3

url: https://www.3gpp.org/ftp/Specs/archive/29\_series/29.558/

security:

- {}

- oAuth2ClientCredentials: []

servers:

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

variables:

apiRoot:

default: https://example.com

description: apiRoot as defined in clause 7.5 of 3GPP TS 29.558.

paths:

/eec-contexts:

post:

description: S-EES transfers the EEC context information to T-EES.

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'200':

description: >

OK. The EEC context has been successfully transferred to the T-EES and

the EEC is implicitly registered.

content:

application/json:

schema:

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

'204':

description: No Content. The EEC context has been successfully transferred to the T-EES.

'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'

get:

description: T-EES pulls an EEC context information from S-EES.

parameters:

- name: ees-id

in: query

description: Unique identifier of the requesting EES.

required: true

schema:

type: string

- name: eec-cntx-id

in: query

description: Unique identifier of the EEC context.

required: true

schema:

type: string

- name: sess-cntxs

in: query

description: List of service session context information being requested.

required: false

schema:

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

responses:

'200':

description: >

OK (The EEC context information matching the input parameters in the request

is returned by the S-EES).

content:

application/json:

schema:

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

'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'

'406':

$ref: 'TS29122\_CommonData.yaml#/components/responses/406'

'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: '{tokenUrl}'

scopes: {}

schemas:

SessionContexts:

type: object

description: Represents the list of service session contexts information.

properties:

sessCntxs:

type: array

items:

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

minItems: 1

description: List of service session contexts information.

required:

- sessCntxs

IndividualSessionContext:

type: object

description: Represents a single service session context information.

properties:

easId:

type: string

description: Identifier of the EAS providing the application services.

endPt:

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

acId:

type: string

description: Identifier of the AC for which the service session information is provided.

required:

- easId

- endPt

EECContextPush:

type: object

description: Represents the EEC context push request data.

properties:

eesId:

type: string

description: Identifier of the S-EES pushing the EEC context information.

eecCntx:

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

required:

- eesId

- eecCntx

EECContextPushRes:

type: object

description: Represents the EEC context push response data.

properties:

implReg:

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

ImplicitRegDetails:

type: object

description: Represents the EEC implicit registration details.

properties:

regId:

type: string

description: Identifier of the EEC registration.

expTime:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/DateTime'

required:

- regId

EECContext:

type: object

description: Represents the EEC context information.

properties:

eecId:

type: string

description: Unique idenitfier of the EEC.

cntxId:

type: string

description: Unique idenitfier assigned to the EEC context.

ueId:

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

subs:

type: array

items:

type: string

minItems: 1

description: List of subscription IDs for the capability expsoure for the EEC ID.

ueLoc:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/LocationArea5G'

acProfs:

type: array

items:

$ref: 'TS24558\_Eees\_EECRegistration.yaml#/components/schemas/ACProfile'

minItems: 1

description: List AC profiles.

sessCntxs:

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

required:

- eecId

- cntxId

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

# A.9 Eees\_EELManagedACR API

openapi: 3.0.0

info:

title: EES EEL Managed ACR Service

version: 1.0.1

description: |

EES EEL Managed ACR Service.

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externalDocs:

description: >

3GPP TS 29.558 V17.1.0; Enabling Edge Applications;

Application Programming Interface (API) specification; Stage 3.

url: https://www.3gpp.org/ftp/Specs/archive/29\_series/29.558/

security:

- {}

- oAuth2ClientCredentials: []

servers:

- url: '{apiRoot}/eees-eel-acr/v1'

variables:

apiRoot:

default: https://example.com

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

paths:

/request-eelacr:

post:

summary: Request the EES (e.g. S-EES) to handle all the operations of an ACR.

operationId: RequestEELManagedACR

tags:

- Request EEL Managed ACR

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'200':

description: >

The requested EEL Managed ACR initiation was successfully received and

processed. The response body contains the feedback of the EES.

content:

application/json:

schema:

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

'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'

/subscriptions:

get:

summary: Retrieve all the active ACT Status Subscriptions managed by the EES.

operationId: GetACTStatusSubscriptions

tags:

- ACT Status Subscriptions (Collection)

responses:

'200':

description: >

OK. All the active ACT status subscriptions managed by the EES shall

be returned.

content:

application/json:

schema:

type: array

items:

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

'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'

'406':

$ref: 'TS29122\_CommonData.yaml#/components/responses/406'

'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'

post:

summary: Request the creation of a subscription to ACT status reporting.

operationId: CreateACTStatusSubsc

tags:

- ACT Status Subscriptions (Collection)

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'200':

description: >

OK. The subscription is successfully created and a representation of the

created Individual ACT Status Subscription resource shall be returned.

content:

application/json:

schema:

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

headers:

Location:

description: >

Contains the URI of the created Individual ACT Status Subscription resource.

required: true

schema:

type: string

'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'

callbacks:

ACTStatusNotification:

'{$request.body#/notificationUri}/act-status':

post:

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'204':

description: >

No Content. The ACT status notification is successfully received

and acknowledged.

'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'

/subscriptions/{subscriptionId}:

get:

summary: Retrieve an ACT status subscription resource.

operationId: GetACTStatusSubscription

tags:

- Individual ACT Status Subscription (Document)

parameters:

- name: subscriptionId

in: path

description: Individual ACT Status Subscription identifier.

required: true

schema:

type: string

responses:

'200':

description: >

OK. The requested real-time UAV status subscription resource is returned.

content:

application/json:

schema:

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

'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'

'406':

$ref: 'TS29122\_CommonData.yaml#/components/responses/406'

'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: '{tokenUrl}'

scopes: {}

schemas:

EELACRReq:

description: >

Represents the parameters to request the EES (e.g. S-EES) to handle all the

operations of an ACR.

type: object

properties:

ueId:

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

easCharacs:

type: array

items:

$ref: 'TS24558\_Eees\_EASDiscovery.yaml#/components/schemas/EasCharacteristics'

minItems: 1

appCtxtStoreAddr:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/Uri'

suppFeat:

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

required:

- ueId

- easCharacs

EELACRResp:

description: Represents the feedback of the EES on EEL Managed ACR request.

type: object

properties:

appCtxtStoreAddr:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/Uri'

suppFeat:

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

ACTStatusSubsc:

description: >

Represents the parameters to request the creation of a subscription to ACT

status reporting.

type: object

properties:

easId:

type: string

notificationUri:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/Uri'

suppFeat:

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

required:

- easId

- notificationUri

ACTStatusNotif:

description: Represents an ACT status notification.

type: object

properties:

subscriptionId:

type: string

actStatus:

$ref: 'TS29558\_Eees\_ACRStatusUpdate.yaml#/components/schemas/ACTResult'

# ENUMS:

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

# A.10 Eees\_ACRStatusUpdate API

openapi: 3.0.0

info:

title: EES ACR Status Update Service

version: 1.0.1

description: |

EES ACR Status Update Service.

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externalDocs:

description: >

3GPP TS 29.558 V17.1.0; Enabling Edge Applications;

Application Programming Interface (API) specification; Stage 3.

url: https://www.3gpp.org/ftp/Specs/archive/29\_series/29.558/

security:

- {}

- oAuth2ClientCredentials: []

servers:

- url: '{apiRoot}/eees-acrstatus-update/v1'

variables:

apiRoot:

default: https://example.com

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

paths:

/request-acrupdate:

post:

summary: Request to update the information related to ACR (e.g. indicate the status of ACT, update the notification target address).

operationId: RequestACRUpdate

tags:

- Request ACR Update

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'200':

description: >

The communicated ACR update information was successfully received.

The response body contains the feedback of the EES.

content:

application/json:

schema:

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

'204':

description: >

No Content. The communicated ACR update information was 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: '{tokenUrl}'

scopes: {}

schemas:

ACRUpdateData:

description: >

Represents the parameters to update the information related to ACR (e.g. indicate

the status of ACT, update the notification target address).

type: object

properties:

easId:

type: string

acId:

type: string

actResultInfo:

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

e3SubscIds:

type: array

items:

type: string

minItems: 1

e3NotificationUri:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/Uri'

required:

- easId

anyOf:

- required: [actResultInfo]

- required: [e3SubscIds]

- required: [e3NotificationUri]

ACRDataStatus:

description: Represents the ACR status information.

type: object

properties:

e3SubscsStatus:

$ref: '#/components/schemas/E3SubscsStatus'

e3SubscIds:

type: array

items:

type: string

minItems: 1

anyOf:

- required: [e3SubscsStatus]

- required: [e3SubscIds]

ACTResultInfo:

description: Represents the result of ACT and the related information.

type: object

properties:

actResult:

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

actFailureCause:

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

ueId:

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

easEndPoint:

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

required:

- actResult

# ENUMS:

ACTResult:

anyOf:

- type: string

enum:

- SUCCESSFUL

- FAILED

- type: string

description: >

This string represents the result of ACT.

description: |

Possible values are:

- SUCCESSFUL: Indicates that the ACT was successful.

- FAILED: Indicates that the ACT failed.

E3SubscsStatus:

anyOf:

- type: string

enum:

- SUCCESSFUL

- FAILED

- type: string

description: >

This string represents the status of the initialization of EDGE-3 subscriptions.

description: |

Possible values are:

- SUCCESSFUL: Indicates that the initialization of EDGE-3 subscriptions was successful.

- FAILED: Indicates that the initialization of EDGE-3 subscriptions failed.

ACTFailureCause:

anyOf:

- type: string

enum:

- ACR\_CANCELLATION

- OTHER

- type: string

description: This string represents the cause of ACT failure.

description: |

Possible values are:

- ACR\_CANCELLATION: Indicates that the ACT failed due to the cancellation of the ACR.

- OTHER: Indicates that the ACT failed for other reasons.

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

# A.11 Eecs\_EESRegistration API

openapi: 3.0.0

info:

title: ECS EES Registration\_API

description: |

API for EES Registration.

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version: 1.0.1

externalDocs:

description: >

3GPP TS 29.558 V17.1.0 Enabling Edge Applications;

Application Programming Interface (API) specification; Stage 3

url: https://www.3gpp.org/ftp/Specs/archive/29\_series/29.558/

security:

- {}

- oAuth2ClientCredentials: []

servers:

- url: '{apiRoot}/eecs-eesregistration/v1'

variables:

apiRoot:

default: https://example.com

description: apiRoot as defined in clause 7.5 of 3GPP TS 29.558.

paths:

/registrations:

post:

description: Registers a new EES at the Edge Configuration Server.

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'201':

description: EES information is registered successfully at ECS.

content:

application/json:

schema:

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

headers:

Location:

description: 'Contains the URI of the newly created resource'

required: true

schema:

type: string

'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'

/registrations/{registrationId}:

get:

description: Retrieve an Individual EES registration resource.

parameters:

- name: registrationId

in: path

description: Registration Id.

required: true

schema:

type: string

responses:

'200':

description: OK (The EES registration information at the Edge Configuration Server).

content:

application/json:

schema:

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

'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'

'406':

$ref: 'TS29122\_CommonData.yaml#/components/responses/406'

'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'

put:

description: Fully replace an existing EES Registration resource.

parameters:

- name: registrationId

in: path

description: EES Registration Id.

required: true

schema:

type: string

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'200':

description: OK (The EES registration information is updated successfully).

content:

application/json:

schema:

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

'204':

description: >

No Content. The individual EES registration information is updated successfully.

'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'

patch:

description: Partially update an existing EES Registration resource.

parameters:

- name: registrationId

in: path

description: EES registration Id.

required: true

schema:

type: string

requestBody:

description: Partial update an existing EES registration resource.

required: true

content:

application/merge-patch+json:

schema:

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

responses:

'200':

description: >

The Individual EES registration is successfully modified and

the updated registration information is returned in the response.

content:

application/json:

schema:

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

'204':

description: >

No Content. The individual EES registration information is updated successfully.

'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'

delete:

description: Delete an existing EES registration at ECS.

parameters:

- name: registrationId

in: path

description: Registration Id.

required: true

schema:

type: string

responses:

'204':

description: The individual EES registration is deleted.

'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'

'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: '{tokenUrl}'

scopes: {}

schemas:

EESRegistration:

type: object

description: Represents an EES registration information.

properties:

eesProf:

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

expTime:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/DateTime'

suppFeat:

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

required:

- eesProf

EESProfile:

type: object

description: Represents the EES profile information.

properties:

eesId:

type: string

description: Identifier of the EES.

endPt:

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

easIds:

type: array

items:

type: string

minItems: 1

description: Identities of EASs that are registered with EES.

provId:

type: string

description: Identifier of the ECSP that provides the EES provider.

svcArea:

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

appLocs:

type: array

items:

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

minItems: 1

description: List of DNAI(s) associated with the EES.

svcContSupp:

type: array

items:

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

minItems: 1

description: The ACR scenarios supported by the EES for service continuity.

eecRegConf:

type: boolean

description: >

Set to true if the EEC is required to register to the EES to use edge service.

Set to false if the EEC is not required to register to use edge services.

required:

- eesId

- endPt

- eecRegConf

EESRegistrationPatch:

type: object

description: Represents partial update request of individual EES registration information.

properties:

eesProf:

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

expTime:

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

ServiceArea:

type: object

description: Represents a service area information of the EdgeApp entity.

properties:

topServAr:

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

geoServAr:

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

TopologicalServiceArea:

type: object

description: Represents topological service area information.

properties:

ecgis:

type: array

items:

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

minItems: 1

description: A list of E-UTRA cell identities.

ncgis:

type: array

items:

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

minItems: 1

description: A list of NR cell identities.

tais:

type: array

items:

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

minItems: 1

description: A list of tracking area identities.

plmnIds:

type: array

items:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/PlmnId'

minItems: 1

description: A list of PLMN identities.

GeographicalServiceArea:

type: object

description: Represents geographical service area information.

properties:

geoArs:

type: array

items:

$ref: 'TS29572\_Nlmf\_Location.yaml#/components/schemas/GeographicArea'

minItems: 1

description: A list of geographic area information.

civicAddrs:

type: array

items:

$ref: 'TS29572\_Nlmf\_Location.yaml#/components/schemas/CivicAddress'

minItems: 1

description: A list of civic address information.

ACRScenario:

anyOf:

- type: string

enum:

- EEC\_INITIATED

- EEC\_EXECUTED\_VIA\_SOURCE\_EES

- EEC\_EXECUTED\_VIA\_TARGET\_EES

- SOURCE\_EAS\_DECIDED

- SOURCE\_EES\_EXECUTED

- EEL\_MANAGED\_ACR

- type: string

description: >

This string provides forward-compatibility with future

extensions to the enumeration but is not used to encode

content defined in the present version of this API.

description: |

Possible values are:

- EEC\_INITIATED: Represents the EEC initiated ACR scenario.

- EEC\_EXECUTED\_VIA\_SOURCE\_EES: Represents the EEC ACR scenario executed via the S-EES.

- EEC\_EXECUTED\_VIA\_TARGET\_EES: Represents the EEC ACR scenario executed via the T-EES.

- SOURCE\_EAS\_DECIDED: Represents the EEC ACR scenario where the S-EAS decides to perform ACR.

- SOURCE\_EES\_EXECUTED: Represents the EEC ACR scenario where S-EES executes the ACR.

- EEL\_MANAGED\_ACR: Represents the EEC ACR scenario where the ACR is managed by the Edge Enabler Layer.

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