**3GPP TSG-CT WG3 Meeting #****125 C3-225246\_r2**

**Toulouse, France, 14th - 18th, November, 2022**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.558** | **CR** | **0030** | **rev** | **-** | **Current version:** | **17.1.0** |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **x** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Eees\_ACRManagementEvent and Eees\_ACRStatusUpdate APIs: enumeration definitions | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NBI18 | | | | |  | ***Date:*** | | | 2022-11-01 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | TS 29.122 specifies in clause 5.2.9.10 for the enumeration definition in the OpenAPI file that the schema:  - shall contain the "anyOf" keyword listing as alternatives:  1. the "type: string" keyword and the "enum" keyword with a list of all defined values for the enumeration; and  2. the "type: string" keyword and the "description" keyword with a description stating that the string is only provided for extensibility and is not used to encode contents defined in the present version of the specification. And  - may contain a description listing the defined values of the enumeration together with explanations of those values.  However, the OpenAPI files of the Eees\_ACRManagementEvent and Eees\_ACRStatusUpdate APIs are not aligned with the above requirement from TS 29.122 i.e. in definitions of enumerations, descriptions of the string data type provided for forward compatibility with future extensions are incorrect. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Definitions of enumerations:  descriptions of the string data type provided for forward compatibility with future extensions corrected and specified in accordance with TS 29.122 and style of some lines corrected to "PL". | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The OpenAPI files of the Eees\_ACRManagementEvent and Eees\_ACRStatusUpdate APIs will remain not fully compliant with the OpenAPI requirements specified in TS 29.122. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | A.7, A.10 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 introduces backward compatible corrections to the OpenAPI files of the Eees\_ACRManagementEvent and Eees\_ACRStatusUpdate APIs. | | | | | | | | |
|  | |  | | | | | | | | |
| ***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).

availabilityInfo:

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

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 provides forward-compatibility with future extensions to the enumeration

and is not used to encode content defined in the present version of this API.

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 provides forward-compatibility with future extensions to the enumeration

and is not used to encode content defined in the present version of this API.

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 provides forward-compatibility with future extensions to the enumeration

and is not used to encode content defined in the present version of this API.

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 provides forward-compatibility with future extensions to the enumeration

and is not used to encode content defined in the present version of this API.

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 provides forward-compatibility with future extensions to the enumeration

and is not used to encode content defined in the present version of this API.

description: |

Possible values are:

- AVAILABLE: Indicates availability.

- NOT\_AVAILABLE: Indicates unavailability.

\*\*\* 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

required:

- e3SubscsStatus

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

- ueId

- easEndPoint

# ENUMS:

ACTResult:

anyOf:

- type: string

enum:

- SUCCESSFUL

- FAILED

- type: string

description: >

This string provides forward-compatibility with future extensions to the enumeration

and is not used to encode content defined in the present version of this API.

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 provides forward-compatibility with future extensions to the enumeration

and is not used to encode content defined in the present version of this API.

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 provides forward-compatibility with future extensions to the enumeration

and is not used to encode content defined in the present version of this API.

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.

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