**3GPP TSG-CT WG1 Meeting #135-eC1-222861**

**E-Meeting, 6th – 12th April 2022 was C1-222081, C1-221545**

**Source: Samsung**

**Title: Pseudo-CR on open API specification for ACR Event API**

**Spec: 3GPP TS 24.558 V1.2.0**

**Agenda item: 17.2.16**

**Document for: Agreement**

**1. Introduction**

This pCR proposes open API specification for Eees\_ACREvents API.

**2. Reason for Change**

As per the template for defining API, it is required to specify open API specification for the Eees\_ACREvents API.

**3. Proposal**

It is proposed to agree the following changes to 3GPP TS 24.558 V1.2.0.

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

## A.4 Eees\_ACREvents API

openapi: 3.0.0

info:

title: Eees\_ACREvents

description: |

API for ACR events subscription and notification.

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version: "1.0.0-alpha.1"

externalDocs:

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

url: https://www.3gpp.org/ftp/Specs/archive/24\_series/24.558/

security:

- {}

- oAuth2ClientCredentials: []

servers:

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

variables:

apiRoot:

default: https://example.com

description: apiRoot as defined in clause 6.1 of 3GPP TS 24.558

paths:

/subscriptions:

post:

description: Creates a new individual ACR events subscription.

operationId: SubscribeACREvents

tags:

- ACR events subscription (Collection)

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'201':

description: Individual ACR events subscription resource created successfully.

content:

application/json:

schema:

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

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'

callbacks:

notificationDestination:

'{request.body#/notificationDestination}':

post:

requestBody: # contents of the callback message

required: true

content:

application/json:

schema:

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

responses:

'204':

description: No Content (The receipt of the Notification is 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}:

put:

description: Updates an existing individual ACR events subscription identified by the subscriptionId.

operationId: UpdateACREventsSubscription

tags:

- Individual ACR Events Subscription

parameters:

- name: subscriptionId

in: path

description: Identifies an individual ACR Events subscription resource

required: true

schema:

type: string

requestBody:

description: Parameters to replace the existing subscription

required: true

content:

application/json:

schema:

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

responses:

'200':

description: OK (An individual ACR Events subscription resource updated successfully)

content:

application/json:

schema:

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

'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'

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

'411':

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

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$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: Deletes an existing individual ACR events subscription identified by the subscriptionId.

operationId: DeleteACREventsSubscription

tags:

- Individual ACR Events Subscription

parameters:

- name: subscriptionId

in: path

description: Identifies an individual ACR Events subscription resource

required: true

schema:

type: string

responses:

'204':

description: An individual ACR Events subscription resource deleted 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'

'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 modifyan existing individual ACR events subscription identified by the subscriptionId.

operationId: ModifyACREventsSubscription

tags:

- Individual ACR Events Subscription

parameters:

- name: subscriptionId

in: path

description: Identifies an individual ACR Events subscription resource

required: true

schema:

type: string

requestBody:

description: Parameters to replace the existing subscription

required: true

content:

application/merge-patch+json:

schema:

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

responses:

'200':

description: OK (An individual ACR Events subscription resource updated successfully)

content:

application/json:

schema:

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

'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'

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

'411':

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

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$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:

ACREventsSubscription:

description: ACE Events subscription request.

type: object

properties:

eecId:

type: string

description: Represents a unique identifier of the EEC.

ueId:

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

expTime:

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

easIds:

type: array

items:

type: string

minItems: 1

description: The list of identifier of the EASs.

eventIds:

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

notificationDestination:

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

requestTestNotification:

type: boolean

description: Set to true by Subscriber to request the ECS 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:

- eecId

- easIds

- eventIds

ACRInfoNotification:

description: Notification of ACR events information.

type: object

properties:

subId:

type: string

description: String identifying the Individual ACR events subscription for which the ACT Information notification is delivered.

easId:

type: string

description: Identifier of the EAS.

eventId:

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

TrgtInfo:

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

ACRRes:

type: boolean

description: Indicates whether the ACR is successful or failure.

failReason :

type: string

description: Indicates the cause information for the failure.

required:

- subId

- easId

- eventId

TargetInfo:

description: Details of the selected T-EAS and the T-EES.

type: object

properties:

TrgetEASInfo:

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

TrgetEESInfo:

$ref: 'TS24558\_Eecs\_ServiceProvisioning.yaml#/components/schemas/EDNConfigInfo'

ACREventsSubscriptionPatch:

description: An individual ACR events subscription resource to be updated.

type: object

properties:

expTime:

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

easIds:

type: array

items:

type: string

minItems: 1

description: The list of identifier of the EASs.

eventIds:

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

notificationDestination:

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

ACREventIDs:

anyOf:

- type: string

enum:

- TARGET\_INFORMATION

- ACR\_COMPLETE

- 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

- TARGET\_INFORMATION: Represents the target information event.

- ACR\_COMPLETE: Represents the ACR complete event.

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