**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'

 '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: 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'

 '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:

 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 \* \* \* \*