**3GPP TSG-CT WG3 Meeting #108-eC3-201128**

**E-Meeting, 24th – 28th February 2020**

**Source: Huawei**

**Title: VAE\_DynamicGroup OpenAPI file**

**Spec: 29.486**

**Agenda item: 16.25**

**Document for: Decision**

**1. Introduction**

<Introduction part (optional)>

**2. Reason for Change**

VAE\_DynamicGroup OpenAPI file shall be defined.

**3. Conclusions**

<Conclusion part (optional)>

**4. Proposal**

It is proposed to agree the following changes to 3GPP TS 29.486 V0.2.0.

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

## A.4 VAE\_DynamicGroup API

openapi: 3.0.0

info:

 version: 1.0.0.alpha-1

 title: VAE\_Dynamic\_Group

 description: |

 VAE\_Dynamic\_Group Service

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externalDocs:

 description: 3GPP TS 29.486 V0.0.0 V2X Application Enabler (VAE) Services

 url: 'http://www.3gpp.org/ftp/Specs/archive/29\_series/29.486/'

security:

 - {}

 - oAuth2ClientCredentials: []servers:

 - url: '{apiRoot}/vae-dynamic-group/v1'

 variables:

 apiRoot:

 default: https://example.com

 description: apiRoot as defined in clause clause 4.4 of 3GPP TS 29.501

paths:

 /group-configurations:

 post:

 summary: VAE\_Dynamice\_Group resource create service Operation

 tags:

 - application requirements collection (Document)

 operationId: CreateGroupConfiguration

 requestBody:

 content:

 application/json:

 schema:

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

 required: true

 responses:

 '201':

 description: Application Requirement Resource Created

 headers:

 Location:

 description: 'Contains the URI of the newly created resource, according to the structure: {apiRoot}/vae-group-configuration/v1/group-configurations/{configId}'

 required: true

 schema:

 type: string

 content:

 application/json:

 schema:

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

 '400':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/400'

 '401':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/401'

 '403':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/403'

 '404':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/404'

 '411':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/411'

 '413':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/413'

 '415':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/415'

 '429':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/429'

 '500':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/500'

 '503':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/503'

 default:

 $ref: 'TS29571\_CommonData.yaml#/components/responses/default'

 callbacks:

 NotifyDynamicGroup:

 '{$request.body#/notifUri}':

 post:

 requestBody:

 required: true

 content:

 application/json:

 schema:

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

 responses:

 '204':

 description: No Content, Notification was succesfull

 '400':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/400'

 '401':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/401'

 '403':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/403'

 '404':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/404'

 '411':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/411'

 '413':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/413'

 '415':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/415'

 '429':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/429'

 '500':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/500'

 '503':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/503'

 default:

 $ref: 'TS29571\_CommonData.yaml#/components/responses/default'

 /group-configuration/{configId}:

 get:

 summary: VAE Group Configuration resource read service Operation

 tags:

 - Individual Group Configuration(Document)

 operationId: ReadDynamicGroupConfiguration

 parameters:

 - name: configId

 in: path

 description: Identifier of an group configuration resource

 required: true

 schema:

 type: string

 responses:

 '200':

 description: OK. Resource representation is returned

 content:

 application/json:

 schema:

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

 '400':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/400'

 '401':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/401'

 '403':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/403'

 '404':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/404'

 '406':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/406'

 '429':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/429'

 '500':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/500'

 '503':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/503'

 default:

 $ref: 'TS29571\_CommonData.yaml#/components/responses/default'

 delete:

 summary: VAE Group Configuration resource delete service Operation

 tags:

 - Individual group configuration (Document)

 operationId: DeleteGroupConfiguration

 parameters:

 - name: configId

 in: path

 required: true

 description: Unique ID of the group configuration to be deleted

 schema:

 type: string

 responses:

 '204':

 description: The subscription was terminated successfully.

 '400':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/400'

 '401':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/401'

 '403':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/403'

 '404':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/404'

 '429':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/429'

 '500':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/500'

 '503':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/503'

 default:

 $ref: 'TS29571\_CommonData.yaml#/components/responses/default'

components:

 securitySchemes:

 oAuth2ClientCredentials:

 type: oauth2

 flows:

 clientCredentials:

 tokenUrl: '{tokenUrl}'

 scopes: {}

 schemas:

 GroupConfigurationData:

 type: object

 properties:

 groupId:

 $ref: 'TS29486\_VAE\_MessageDelivery.yaml#/components/schemas/V2xGroupId'

 definition:

 type: string

 leaderId:

 $ref: 'TS29486\_VAE\_MessageDelivery.yaml#/components/schemas/V2xUeId'

 notifUri:

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

 duration:

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

 requestTestNotification:

 type: boolean

 description: Set to true by the NF service consumer to request the VAE server to send a test notification as defined in clause 6.4.5.3. Set to false or omitted otherwise.

 websockNotifConfig:

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

 suppFeat:

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

 required:

 - groupId

 - definition

 - leaderId

 - notifUri

 DynamicGroupNotification:

 type: object

 properties:

 resourceUri:

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

 joinedUeIds:

 type: array

 items:

 $ref: 'TS29486\_VAE\_MessageDelivery.yaml#/components/schemas/V2xUeId'

 minItems: 1

 leftUeIds:

 type: array

 items:

 $ref: 'TS29486\_VAE\_MessageDelivery.yaml#/components/schemas/V2xUeId'

 minItems: 1

 required:

 - resourceUri

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