**3GPP TSG-CT WG4 Meeting #106-eC4-215040**

**E-Meeting, 11th – 15th October 2021**

**Source: China Mobile**

**Title: Pseudo-CR on OpenAPI**

**Spec: 3GPP TS 29.564 v0.1.0**

**Agenda item: 6.1.9**

**Document for: Decision**

**1. Introduction**

<Introduction part (optional)>

**2. Reason for Change**

OpenAPI section is still missing.

**3. Conclusions**

<Conclusion part (optional)>

**4. Proposal**

It is proposed to agree the following changes to 3GPP TS 29.564 v0.1.0.

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

## A.2 Nupf\_EventExposure API

openapi: 3.0.0

info:

 title: 'UPF Event Exposure Service'

 version: 1.0.0-alpha.1

 description: |

 UPF Event Exposure Service.

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externalDocs:

 description: 3GPP TS 29.564 V17.0.0; 5G System; User Plane Function Services; Stage 3.

 url: http://www.3gpp.org/ftp/Specs/archive/29\_series/29.564/

servers:

 - url: '{apiRoot}/nupf\_ee/v1'

 variables:

 apiRoot:

 default: https://example.com

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

security:

 - {}

 - oAuth2ClientCredentials:

 - nnrf\_ee

paths:

 /ee-subscriptions:

 post:

 # This is a pseudo operation, clients shall NOT invoke this method!

 summary: subscribe to notifications

 operationId: CreateIndividualSubcription

 tags:

 - Subscriptions (Collection)

 requestBody:

 required: true

 content:

 application/json:

 schema: {}

 responses:

 default:

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

 callbacks:

 eeNotification:

 '{eventNotificationUri}':

 # The URI in {eventNotificationUri} is provided via N4 interface during provisioning of Session Reporting Rule.

 post:

 requestBody:

 required: true

 content:

 application/json:

 schema:

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

 responses:

 '204':

 description: No Content, Notification was succesfull

 '307':

 description: Temporary Redirect

 content:

 application/json:

 schema:

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

 headers:

 Location:

 description: 'The URI pointing to the resource located on the redirect target NF service consumer'

 required: true

 schema:

 type: string

 '308':

 description: Permanent Redirect

 content:

 application/json:

 schema:

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

 headers:

 Location:

 description: 'The URI pointing to the resource located on the redirect target NF service consumer'

 required: true

 schema:

 type: string

 '404':

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

 default:

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

components:

 securitySchemes:

 oAuth2ClientCredentials:

 type: oauth2

 flows:

 clientCredentials:

 tokenUrl: '{nrfApiRoot}/oauth2/token'

 scopes:

 <API name in lower letters with underscores>: Access to the <API Name> API

 schemas:

# COMPLEX TYPES

 NotificationData:

 type: object

 required:

 - notificationItems

 properties:

 notificationItems:

 type: array

 items:

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

 minItems: 1

 NotificationItem:

 type: object

 required:

 - eventType

 - timeStamp

 anyOf:

 - required: [ ueIpv4Addr ]

 - required: [ ueIpv6Prefix ]

 properties:

 eventType:

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

 ueIpv4Addr:

 $ref: 'TS29571\_CommonData.yaml#/components/schemas/Ipv4Addr'

 ueIpv6Prefix:

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

 dnn:

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

 snssai:

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

 gpsi:

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

 supi:

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

 ueIpv6Prefix:

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

 timeStamp:

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

 startTime:

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

 qosMonitoringMeasurement:

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

 QosMonitoringMeasurement:

 type: object

 properties:

 dlPacketDelay:

 type: Uint32

 ulPacketDelay:

 type: Uint32

 rtrPacketDelay:

 type: Uint32

# ENUMS

 EventType:

 anyOf:

 - type: string

 enum:

 - QOS\_MONITOR

 - type: string

# SIMPLE TYPES

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