**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 \* \* \* \*