**3GPP TSG-CT WG3 Meeting #119e C3-216281**

**E-Meeting, 11th – 19th November 2021 (Revision of C3-21xxxx)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.549** | **CR** | **0044** | **rev** | **-** | **Current version:** | **17.2.0** |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Discover\_TSC\_Stream\_Availability data model and OpenAPI | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eSEAL | | | | |  | ***Date:*** | | | 2021-10-28 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-17 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | TS 23.434 clause 14.3.2.23 and 14.3.2.24 defines the parameters for TSC\_Stream\_Availability\_Discovery service operation, hence need to support the data model and OpenAPI definition in this specification. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Adding Discover\_TSC\_Stream\_Availability service operation needed data model and OpenAPI definition in the SS\_NetworkResourceAdaptation API. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Current data model and OpenAPI definition does not support Discover\_TSC\_Stream\_Availability service operations, which is not aligned with stage 2. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 7.4.1.4.1, 7.4.1.4.2.m (new), 7.4.1.4.2.n (new), 7.4.1.4.2.o (new), A.5 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | | This CR introduces backward compatible feature into the OpenAPI file for SS\_NetworkResourceAdaptation API. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

**Additional discussion(if needed):**

**Proposed changes:**

\*\*\* 1st Change \*\*\*

##### 7.4.1.4.1 General

This clause specifies the application data model supported by the API. Data types listed in clause 6.2 apply to this API

Table 7.4.1.4.1-1 specifies the data types defined specifically for the SS\_NetworkResourceAdaptation API service.

Table 7.4.1.4.1-1: SS\_NetworkResourceAdaptation API specific Data Types

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Section defined | Description | Applicability |
| DeliveryMode | 7.4.1.4.3.2 |  |  |
| MulticastSubscription | 7.4.1.4.2.2 |  |  |
| NrmEvent | 7.4.1.4.3.3 |  |  |
| NrmEventNotification | 7.4.1.4.2.5 |  |  |
| ServiceAnnoucementMode | 7.4.1.4.3.1 |  |  |
| UserPlaneNotification | 7.4.1.4.2.4 |  |  |
| UnicastSubscription | 7.4.1.4.2.3 |  |  |
| TscStreamAvailability | 7.4.1.4.2.m |  |  |
| StreamSpecification | 7.4.1.4.2.n |  |  |
| TrafficSpecification | 7.4.1.4.2.o |  |  |

Table 7.4.1.4.1-2 specifies data types re-used by the SS\_NetworkResourceAdaptation API service.

Table 7.4.1.4.1-2: Re-used Data Types

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Reference | Comments | Applicability |
| DateTime | 3GPP TS 29.571 [21] |  |  |
| MacAddr48 | 3GPP TS 29.571 [21] | Identifies an MAC address. |  |
| MbmsLocArea | 3GPP TS 29.122 [3] |  |  |
| SupportedFeatures | 3GPP TS 29.571 [21] |  |  |
| Uint32 | 3GPP TS 29.571 [21] |  |  |
| Uri | 3GPP TS 29.571 [21] |  |  |
| WebsockNotifConfig | 3GPP TS 29.122 [3] |  |  |
| ValTargetUe | 7.3.1.4.2.3 | Used to identify either a VAL User ID or a VAL UE ID. |  |
| Ipv4Addr | 3GPP TS 29.571 [21] |  |  |
| Ipv6Addr | 3GPP TS 29.571 [21] |  |  |
| Port | 3GPP TS 29.122 [3] |  |  |

\*\*\* 2nd Change \*\*\*

###### 7.4.1.4.2.m Type: TscStreamAvailability

Table 7.4.1.4.2.m-1: Definition of type TscStreamAvailability

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| streamSpec | StreamSpecification | M | 1 | Stream specification includes MAC addresses of the source and destination DS-TT ports. |  |
| trafficSpecs | array(TrafficSpecification) | M | 1..N | The traffic classes supported by the DS-TTs and available end-to-end latency values and Priority Code Point (PCP) values. |  |

\*\*\* 3rd Change \*\*\*

###### 7.4.1.4.2.n Type: StreamSpecification

Table 7.4.1.4.2.n-1: Definition of type StreamSpecification

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| srcMacAddr | MacAddr48 | M | 1 | The MAC address of the source DS-TT port. |  |
| dstMacAddr | MacAddr48 | M | 1 | The MAC address of the destination DS-TT port. |  |

\*\*\* 4th Change \*\*\*

###### 7.4.1.4.2.o Type: TrafficSpecification

Table 7.4.1.4.2.o-1: Definition of type TrafficSpecification

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| trafficClass | Uinteger | M | 1 | The traffic class supported by the DS-TTs with value between 0 to 7. |  |
| pcpValue | Uinteger | M | 1 | The Priority Code Point (PCP) value identify the traffic class with value between 0 to 7. |  |
| e2eLatency | Uinteger | M | 1 | Indicates the end to end latency (including the UE-DS-TT residence times, UPF residence time, and propagation delays), in the units of milliseconds. |  |

\*\*\* 5th Change \*\*\*

## A.5 SS\_NetworkResourceAdaptation API

openapi: 3.0.0

info:

version: 1.1.0-alpha.2

title: SS\_NetworkResourceAdaptation

description: |

SS Network Resource Adaptation Service.

© 2021, 3GPP Organizational Partners (ARIB, ATIS, CCSA, ETSI, TSDSI, TTA, TTC).

All rights reserved.

externalDocs:

description: 3GPP TS 29.549 V17.1.0; Service Enabler Architecture Layer for Verticals (SEAL); Application Programming Interface (API) specification; Stage 3.

url: http://www.3gpp.org/ftp/Specs/archive/29\_series/29.549/

security:

- {}

- oAuth2ClientCredentials: []

servers:

- url: '{apiRoot}/ss-nra/v1'

variables:

apiRoot:

default: https://example.com

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

paths:

/multicast-subscriptions:

post:

summary: Creates a new Individual Multicast Subscription resource

operationId: CreateMulticastSubscription

tags:

- Multicast Subscriptions (Collection)

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'201':

description: Success

content:

application/json:

schema:

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

headers:

Location:

description: 'Contains the URI of the created individual multicast subscription 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:

UserPlaneNotification:

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

post:

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'204':

description: No Content, Notification was succesfull

'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'

/multicast-subscriptions/{multiSubId}:

get:

summary: "Reads an existing Individual Multicast Subscription"

operationId: GetMulticastSubscription

tags:

- Individual Multicast Subscription (Document)

parameters:

- name: multiSubId

in: path

description: Multicast Subscription ID

required: true

schema:

type: string

responses:

'200':

description: OK. Resource representation is returned

content:

application/json:

schema:

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

'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'

'406':

$ref: 'TS29122\_CommonData.yaml#/components/responses/406'

'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:

summary: "Delete an existing Individual Multicast Subscription"

operationId: DeleteMulticastSubscription

tags:

- Individual Multicast Subscription (Document)

parameters:

- name: multiSubId

in: path

description: Multicast Subscription ID

required: true

schema:

type: string

responses:

'204':

description: No Content. Resource was succesfully deleted

'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'

/unicast-subscriptions:

post:

summary: Creates a new Individual Unicast Subscription resource

operationId: CreateUnicastSubscription

tags:

- Unicast Subscriptions (Collection)

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'201':

description: Success

content:

application/json:

schema:

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

headers:

Location:

description: 'Contains the URI of the created individual unicast subscription 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:

UserPlaneNotification:

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

post:

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'204':

description: No Content, Notification was succesfull

'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'

/unicast-subscriptions/{uniSubId}:

get:

summary: "Reads an existing Individual Unicast Subscription"

operationId: GetUnicastSubscription

tags:

- Individual Unicast Subscription (Document)

parameters:

- name: uniSubId

in: path

description: Unicast Subscription ID

required: true

schema:

type: string

responses:

'200':

description: OK. Resource representation is returned

content:

application/json:

schema:

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

'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'

'406':

$ref: 'TS29122\_CommonData.yaml#/components/responses/406'

'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:

summary: "Delete an existing Individual Unicast Subscription"

operationId: DeleteUnicastSubscription

tags:

- Individual Unicast Subscription (Document)

parameters:

- name: uniSubId

in: path

description: Unicast Subscription ID

required: true

schema:

type: string

responses:

'204':

description: No Content. Resource was succesfully deleted

'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'

/tsc-stream-availability:

get:

summary: Discover the TSC stream availability information.

operationId: GetTscStreamAvailability

tags:

- TSC stream availability discovery

parameters:

- name: requester-identity

in: query

description: The requester identity of the VAL server performing the request.

required: true

schema:

type: string

- name: stream-specification

in: query

description: The MAC address(es) of the source DS-TT port(s) and the destination DS-TT port(s).

required: true

schema:

type: array

items:

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

minItems: 1

responses:

'200':

description: OK.

content:

application/json:

schema:

type: array

items:

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

'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'

'406':

$ref: 'TS29122\_CommonData.yaml#/components/responses/406'

'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:

MulticastSubscription:

description: Represents a multicast subscription.

type: object

properties:

valGroupId:

type: string

anncMode:

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

multiQosReq:

type: string

locArea:

$ref: 'TS29122\_GMDviaMBMSbyMB2.yaml#/components/schemas/MbmsLocArea'

duration:

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

tmgi:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Uint32'

notifUri:

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

reqTestNotif:

type: boolean

wsNotifCfg:

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

suppFeat:

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

upIpv4Addr:

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

upIpv6Addr:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Ipv6Addr'

upPortNum:

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

radioFreqs:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Uint32'

minItems: 1

required:

- valGroupId

- anncMode

- multiQosReq

- notifUri

UnicastSubscription:

description: Represents a unicast subscription.

type: object

properties:

valTgtUe:

$ref: 'TS29549\_SS\_UserProfileRetrieval.yaml#/components/schemas/ValTargetUe'

uniQosReq:

type: string

duration:

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

notifUri:

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

reqTestNotif:

type: boolean

wsNotifCfg:

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

suppFeat:

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

required:

- valTgtUe

- notifUri

UserPlaneNotification:

description: Represents a notification on User Plane events.

type: object

properties:

notifId:

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

eventNotifs:

type: array

items:

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

minItems: 1

required:

- notifId

- eventNotifs

NrmEventNotification:

description: Represents a notification on an individual User Plane event.

type: object

properties:

event:

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

ts:

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

deliveryMode:

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

streamIds:

type: array

items:

type: string

minItems: 1

required:

- event

- ts

TscStreamAvailability:

description: TSC stream availability information includes the stream specification and list of traffic specifications. This response shall include stream specification matching one of the query parameters provided in the request.

type: object

properties:

streamSpec:

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

trafficSpecs:

type: array

items:

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

minItems: 1

required:

- streamSpec

- trafficSpecs

StreamSpecification:

description: Stream specification includes MAC addresses of the source and destination DS-TT ports.

type: object

properties:

srcMacAddr:

description: The MAC address of the source DS-TT port.

$ref: 'TS29571\_CommonData.yaml#/components/schemas/MacAddr48'

dstMacAddr:

description: The MAC address of the destination DS-TT port.

$ref: 'TS29571\_CommonData.yaml#/components/schemas/MacAddr48'

required:

- srcMacAddr

- dstMacAddr

TrafficSpecification:

description: The traffic classe supported by the DS-TTs and available end-to-end latency value and Priority Code Point (PCP) value.

type: object

properties:

trafficClass:

type: Uinteger

description: The traffic class supported by the DS-TTs with value between 0 to 7.

pcpValue:

type: Uinteger

description: The Priority Code Point (PCP) value identify the traffic class, with value between 0 to 7.

e2eLatency:

type: Uinteger

description: Indicates the end to end latency (including the UE DS-TT residence times, UPF residence time, and propagation delays), with units in milliseconds.

required:

- trafClass

- pcpValue

- e2eLatency

# Simple data types and Enumerations

ServiceAnnoucementMode:

anyOf:

- type: string

enum:

- NRM

- VAL

- 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

- NRM: NRM server performs the service announcement.

- VAL: VAL server performs the service announcement.

DeliveryMode:

anyOf:

- type: string

enum:

- UNICAST

- MULTICAST

- 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

- UNICAST: Unicast delivery.

- MULTICAST: Multicast delivery.

NrmEvent:

anyOf:

- type: string

enum:

- UP\_DELIVERY\_MODE

- 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

- UP\_DELIVERY\_MODE: User Plane delivery mode.

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