**3GPP TSG-CT WG3 Meeting #142 *C3-253215***

**Goteborg, SE, 25 - 29 August 2025**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** |  | **rev** |  | **Current version:** |  |  |
|  | | | | | | | | |
| *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:*** | EN resolution in SS\_AADRF\_DataManagement API | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | C3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI19\_ADAES | | | | |  | ***Date:*** | | | 2025-08-04 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | B |  | | | | | ***Release:*** | | | Rel-19 |
|  | *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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The remaining ENs for the SS\_AADRF\_DataManagement API shall be resolved before the end of the Release. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | This CR proposes to resolve the ENs:   * Clasue 5.11.8.2.5.2, it is proposed to align with SA2 implementation for the ADRF. * Addition of new AdaeAnalyticsId enumeration to represent the list of specified ADAE analytics. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The Release 19 cannot be frozen due to remaining ENs | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.11.8.2.5.2, 7.10.8.5.1, 7.10.8.5.2.11, 7.10.8.5.3.5 (new), A.22 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 new feature for the following APIs:  TS29549\_SS\_AADRF\_DataManagement.yaml | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

\* \* \* First change \* \* \* \*

###### 5.11.8.2.5.2 Requesting to store data using the Data\_Storage service operation

In order to store data at A-ADRF, the consumer shall send an HTTP POST request (i.e., custom operation "Store") to the A-ADRF as specified in clause 7.10.8.3.2. The request body shall include the DataStoreReq data structure defined in clause 7.10.8.5.2.9.

Upon receiving the HTTP POST message as described above, the A-ADRF shall:

1. verify the identity of the consumer and check if the consumer is authorized to store the data;

2. if the consumer is authorized, the A-ADRF shall process the request:

a. if "subDataStore" attribute is provided within DataStoreReq data structure as described in clause 8.10.2.1 of 3GPP TS 29.436 [38];

b. if "dirStorage" attribute is provided within DataStoreReq data structure as described in clause 8.10.2.2 of 3GPP TS 29.436 [38]; and

c. respond to the consumer with an HTTP "200 OK" status code with DataStoreResp data structure defined in clause 7.10.8.5.2.15.

and

3. if the A-ADRF is unable to satisfy the request, the A-ADRF shall respond to the consumer with an appropriate error status code as specified in clause 7.10.8.5.

\* \* \* Next change \* \* \* \*

##### 7.10.8.5.1 General

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

Table 7.10.8.5.1-1 specifies the data types defined specifically for the SS\_AADRF\_DataManagement API service.

**Table 7.10.8.5.1-1: SS\_AADRF\_DataManagement API specific Data Types**

|  |  |  |  |
| --- | --- | --- | --- |
| **Data type** | **Section defined** | **Description** | **Applicability** |
| AdaeAnalyticsId | 7.10.8.5.3.5 | Represents the ADAE analytics identifier. |  |
| AnalyticsMode | 7.10.8.5.2.16 | Represents the analytics mode. |  |
| AadrfEvent | 7.10.8.5.3.1 | Indicates the subscribed events. |  |
| ApiLogInfo | 7.10.8.5.2.7 | Represents the API log data. |  |
| ApiLogReq | 7.10.8.5.2.5 | Represents the API log request requirement. |  |
| Data | 7.10.8.5.2.11 | Represent the data for storage at A-ADRF. |  |
| DataManageNotification | 7.10.8.5.2.6 | Represents the notification to the consumer. |  |
| DataManageSub | 7.10.8.5.2.2 | Represents the events subscription. |  |
| DataProducerProfile | 7.10.8.5.2.12 | Represents the data producer profile. |  |
| DataSourceInfo | 7.10.8.5.2.13 | Represents the data source information. |  |
| DataStoreReq | 7.10.8.5.2.9 | Represents the data storage request. |  |
| DataStoreResp | 7.10.8.5.2.15 | Represents the data storage response. |  |
| DataStoreSub | 7.10.8.5.2.10 | Represents the requirements for subscription based data storage. |  |
| DataType | 7.10.8.5.3.3 | Represents the type of data. |  |
| EdgeInfo | 7.10.8.5.2.8 | Represents the EDGE related data. |  |
| EdgeReq | 7.10.8.5.2.4 | Represents the EDGE data request requirement. |  |
| EventSubscription | 7.10.8.5.2.3 | Represents the event subscription. |  |
| ExposureLevel | 7.10.8.5.3.2 | Indicates the exposure level. |  |
| Mode | 7.10.8.5.3.4 | Represents the supported modes of analytics. |  |
| S2SAnalyticsInfo | 7.10.8.5.2.18 | Represents the Server to Server Analytics related data. | EdgeApp\_3 |
| S2SAnalyticsReq | 7.10.8.5.2.17 | Represents the Server to Server Analytics request requirements. | EdgeApp\_3 |
| StorageHandlingInfo | 7.10.8.5.2.14 | Represent the storage handing information. |  |
| UERatAnalyticsInfo | 7.10.8.5.2.20 | Represents UE RAT Connectivity Analytics data. | 5GSatApp\_1 |
| UERatAnalyticsReq | 7.10.8.5.2.19 | Represents UE RAT Connectivity Analytics requirements. | 5GSatApp\_1 |

Table 7.10.8.5.1-2 specifies data types re-used by the SS\_AADRF\_DataManagement API service.

**Table 7.10.8.5.1-2: Re-used Data Types**

|  |  |  |  |
| --- | --- | --- | --- |
| **Data type** | **Reference** | **Comments** | **Applicability** |
| DataTime | 3GPP TS 29.122 [3] | Represents data and time. |  |
| Dnai | 3GPP TS 29.571 [21] | Identifies a user plane access to one or more DN(s). |  |
| Dnn | 3GPP TS 29.571 [21] | Used to Identify a DNN. |  |
| DurationSec | 3GPP TS 29.122 [3] | Represents duration in seconds. |  |
| Float | 3GPP TS 29.571 [21] | Used to represent the fractional part of the proximity range in the reference UE details. |  |
| LocationArea5G | 3GPP TS 29.122 [3] | Represents the location information. |  |
| S2SPerfAnalyticsData | Clause 7.10.14.6.2.5 | Contains the Server to Server Analytics data. | EdgeApp\_3 |
| ServerInfo | Clause 7.10.14.6.2.6 | Represents the Server Information. | EdgeApp\_3 |
| Snssai | 3GPP TS 29.571 [21] | Used to Identify the S-NSSAI. |  |
| SupportedFeatures | 3GPP TS 29.571 [21] | Used to negotiate the applicability of optional features. |  |
| TimeWindow | 3GPP TS 29.122 [3] | Indicates the time window. | EdgeApp\_3 |
| UeRatAnalyticsOutput | Clause 7.10.12.6.2.8 | Contains the UE RAT connectivity analytics output. |  |
| Uinteger | 3GPP TS 29.571 [21] | Used to represent integer attributes within MeasurementData and ReportingRequirements data structures. |  |
| Uri | 3GPP TS 29.571 [21] | Used to indicate the notification URI. |  |
| ValTargetUe | Clause 7.3.1.4.2.3 | Used to indicate either VAL User ID or VAL UE ID. |  |
| ValidityConditions | Clause 7.5.1.4.2.13 | Represents the temporal and/or spatial conditions applied for the events to be monitored. |  |
| ValUeAddrInfo | Clause 7.4.1.4.2.30 | Represents VAL UE address information. |  |

\* \* \* Next change \* \* \* \*

7.10.8.5.2.11 Type: Data

**Table 7.10.8.5.2.11-1: Definition of type Data**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute name** | **Data type** | **P** | **Cardinality** | **Description** | **Applicability** |
| dataType | DataType | M | 1 | Represents the type of data. |  |
| content | Bytes | M | 1 | Represents the data that shall be stored. |  |
| timestamp | DateTime | M | 1 | Represents the timestamp |  |
| analyticsId | AdaeAnalyticsId | M | 1 | Represents the analytics identifier. |  |
| analyticsType | AnalyticsType | M | 1 | Represents the analytics type. |  |
| dataSource | DataSourceInfo | M | 1 | Represent the data source informaion. |  |

\* \* \* Next change \* \* \* \*

7.10.8.5.3.5 Enumeration: AdaeAnalyticsId

**Table 7.10.8.5.3.5-1: Enumeration AdaeAnalyticsId**

|  |  |  |
| --- | --- | --- |
| **Enumeration value** | **Description** | **Applicability** |
| VAL\_SERVER\_PERF | Indicates that requested analytics is VAL server performance analytics. |  |
| VAL\_SESSION\_PERF | Indicates that requested analytics is VAL session performance analytics. |  |
| SLICE\_PERFORMANCE\_ANALYTICS | Indicates that requested analytics is slice performance analytics. |  |
| UE\_TO\_UE\_PERFORMANCE\_ANALYTICS | Indicates that requested analytics is UE-to-UE performance analytics. |  |
| LOCATION\_ACCURACY\_PREDICTION | Indicates that the requested analytics is location accuracy prediction. |  |
| LOCATION\_ACCURACY\_SUSTAINABILITY | Indicates that the requested analytics is location accuracy sustainability. |  |
| SERVICE\_API\_ANALYTICS | Indicates that the requested analytics is service API analytics. |  |
| SLICE\_USAGE\_PATTERN\_ANALYTICS | Indicated that the requested analytics is slice usage pattern analytics. |  |
| EDGE\_LOAD\_ANALYTICS | Indicated that the requested analytics is edge load analytics. |  |
| GROUP\_ROUTE | Indicates that the requested analytics is UE group route analytics. |  |
| GROUP\_MEMBER\_DEVIATION | Indicates that the requested analytics is UE group member deviation analytics. |  |
| TARGET\_WITH\_OTHER\_UES | Indicates that the requested analytics is collision detection between the sets of target and other VAL UEs within a location. |  |
| ANY\_UES\_IN\_LOC | Indicates that the requested analytics is collision detection between any VAL UEs within given location. |  |
| APP\_MEMBER\_CAPABILITY\_ANALYTICS | Indicates that the identifier of the Application layer AIML member capability analytics event. |  |
| UE\_RAT\_CONNECTIVITY\_ANALYTICS | Indicates that the requested analytics is UE RAT connectivity analytics event. |  |
| SERVER\_TO\_SERVER\_PERFORMANCE | Indicates that the requested analytics is Server-to-Server Performance Analytics. |  |

\* \* \* Next change \* \* \* \*

# A.22 SS\_AADRF\_DataManagement API

openapi: 3.0.0

info:

title: SS\_AADRF\_DataManagement

description: |

API for A-ADRF Data Management Service.

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version: "1.1.0-alpha.1"

externalDocs:

description: >

3GPP TS 29.549 V19.3.0 Service Enabler Architecture Layer for Verticals (SEAL);

Application Programming Interface (API) specification; Stage 3.

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

security:

- {}

- oAuth2ClientCredentials: []

servers:

- url: '{apiRoot}/ss-aadrf-datamanagement/v1'

variables:

apiRoot:

default: https://example.com

description: apiRoot as defined in clause 6.5 of 3GPP TS 29.549

paths:

/subscriptions:

post:

summary: Create Individual A-ADRF Data Management Subscription.

operationId: CreateAADRFEventSubscription

tags:

- A-ADRF Data Management Subscriptions (Collection)

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'201':

description: >

The requested Individual A-ADRF Data Management Subscription is successfully created and

a representation of the created resource is returned in the response body.

content:

application/json:

schema:

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

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:

myNotification:

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

post:

summary: Notify on the requested data.

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'204':

description: The notification is successfully received.

'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}:

parameters:

- name: subscriptionId

in: path

description: >

Represents the Individual A-ADRF Data Management Subscription resource.

required: true

schema:

type: string

delete:

summary: Remove the Individual A-ADRF Data Management Subscription.

operationId: UnsubscribeAADRFEventSubscription

tags:

- Individual A-ADRF Data Management Subscription (Document).

responses:

'204':

description: >

The individual A-ADRF Data Management Subscription resource matching the subscriptionId

is 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'

/store:

post:

summary: Enables a service consumer to request data storage.

operationId: StoreData

tags:

- Data Storage Service

requestBody:

content:

application/json:

schema:

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

required: true

responses:

'200':

description: >

Successful case. The data storage request is successfully received and processed.

content:

application/json:

schema:

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

'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'

default:

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

components:

securitySchemes:

oAuth2ClientCredentials:

type: oauth2

flows:

clientCredentials:

tokenUrl: '{tokenUrl}'

scopes: {}

schemas:

DataManageSub:

description: Represents the event subscriptions.

type: object

properties:

eventSubscriptions:

type: array

items:

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

minItems: 1

description: Subscribed events.

notifUri:

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

notifCorrId:

type: string

description: Notification correlation identifier.

supportedFeatures:

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

required:

- eventSubscriptions

- notifUri

EventSubscription:

description: Represents the event subscription.

type: object

properties:

event:

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

dataCollectReq:

type: string

dataProducerIds:

type: array

items:

type: string

minItems: 1

description: The list of Data Producer IDs.

valUes:

type: array

items:

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

minItems: 1

description: The target VAL UE(s) identifiers.

valServerId:

type: string

description: The target VAL server ID.

valServiceId:

type: string

description: The VAL service ID.

profileCriteria:

type: string

validConds:

$ref: 'TS29549\_SS\_Events.yaml#/components/schemas/ValidityConditions'

snssais:

type: array

items:

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

minItems: 1

description: Identification(s) of network slice(s) to which the subscription applies.

edgeReq:

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

apiLogReq:

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

s2sAnaReq:

$ref: '#/components/schemas/S2SAnalyticsReq'

ueRatAnaReq:

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

required:

- event

EdgeReq:

description: Represents the EDGE data request requirement.

type: object

properties:

dnais:

type: array

items:

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

minItems: 1

description: Identifiers the DN Access Identifier.

dnns:

type: array

items:

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

minItems: 1

description: Identifiers the DN Access Identifier.

destEasId:

type: string

description: Identifier for the destination EAS.

destEesId:

type: string

description: Identifier for the destination EES.

anyOf:

- required: [dnais]

- required: [dnns]

- required: [destEasId]

- required: [destEesId]

ApiLogReq:

description: Represents the API log request requirement.

type: object

properties:

apiRequestorInfo:

type: string

apiId:

type: string

description: String identifying the API invoked.

apiName:

type: string

description: Name of the API which was invoked.

apiVersion:

type: string

description: Version of the API which was invoked.

inputParameters:

type: string

description: List of input parameters.

result:

type: string

description: For HTTP protocol, it contains HTTP status code of the invocation.

apiInvokerId:

type: string

description: Identity of the API invoker which invoked the service API.

exposureLvl:

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

apiAggreInfo:

type: string

required:

- apiRequestorInfo

S2SAnalyticsReq:

description: >

Represents the Server to Server analytics data request requirement.

type: object

properties:

serverInfoList:

type: array

items:

$ref: 'TS29549\_SS\_ADAE\_ServerToServerPerformanceAnalytics.yaml#/components/schemas/ServerInfo'

minItems: 1

timeVal:

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

required:

- serverInfoList

UERatAnalyticsReq:

description: Represents the UE RAT connectivity analytics requirements.

type: object

properties:

area:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/LocationArea5G'

timeVal:

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

valUeAddrInfo:

type: array

items:

$ref: 'TS29549\_SS\_NetworkResourceAdaptation.yaml#/components/schemas/ValUeAddrInfo'

minItems: 1

required:

- valUeAddrInfo

DataManageNotification:

description: Represents the notification to the consumer.

type: object

properties:

event:

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

notifCorrId:

type: string

description: Notification correlation identifier.

valServerId:

type: string

description: The target VAL server ID.

valServiceId:

type: string

description: The VAL service ID.

valUeIds:

type: array

items:

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

minItems: 1

description: The target VAL UE(s) identifiers.

locAccuracy:

type: string

validConds:

$ref: 'TS29549\_SS\_Events.yaml#/components/schemas/ValidityConditions'

apiLogs:

type: array

items:

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

minItems: 1

description: The API logs information.

rttDeviation:

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

snssais:

type: array

items:

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

minItems: 1

description: Identification(s) of network slice(s) to which the subscription applies.

edgeInfo:

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

s2SAnaResp:

$ref: '#/components/schemas/S2SAnalyticsInfo'

ueRatAnaInfo:

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

required:

- event

ApiLogInfo:

description: Represents the API log data.

type: object

properties:

apiId:

type: string

description: String identifying the API invoked.

apiName:

type: string

description: Name of the API which was invoked.

failNum:

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

apiAvailableInd:

type: boolean

description: Indicates the API availability.

apiVerChgNum:

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

apiLocChg:

type: boolean

description: Indicates the API location changes for the target API.

apiThrottlingEvents:

type: string

invokeNum:

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

apiVersion:

type: string

description: Version of the API which was invoked.

required:

- apiId

EdgeInfo:

description: Represents the EDGE related data.

type: object

properties:

edgeReq:

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

output:

type: string

S2SAnalyticsInfo:

description: >

Represents the Server to Server analytics data information.

type: object

properties:

dataOutput:

$ref: 'TS29549\_SS\_ADAE\_ServerToServerPerformanceAnalytics.yaml#/components/schemas/S2SPerfAnalyticsData'

serverInfoList:

type: array

items:

$ref: 'TS29549\_SS\_ADAE\_ServerToServerPerformanceAnalytics.yaml#/components/schemas/ServerInfo'

minItems: 1

required:

- dataOutput

- serverInfoList

UERatAnalyticsInfo:

description: Represents the UE RAT Connectivity Analytics data information.

type: object

properties:

analyticsOut:

type: array

items:

$ref: 'TS29549\_SS\_ADAE\_UeRatConnectivityAnalytics.yaml#/components/schemas/UeRatAnalyticsOutput'

minItems: 1

required:

- analyticsOut

DataStoreReq:

description: Represents the data storage request.

type: object

properties:

subDataStore:

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

dirStorage:

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

storeHandl:

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

suppFeat:

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

oneOf:

- required: [subDataStore]

- required: [dirStorage]

DataStoreSub:

description: Represents the requirements for subscription based data storage.

type: object

properties:

dataProdId:

type: string

analyticsId:

type: string

analyticsType:

$ref: 'TS29549\_SS\_ADAE\_VALPerformanceAnalytics.yaml#/components/schemas/AnalyticsType'

analyticsMode:

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

profiles:

type: array

items:

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

minItems: 1

area:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/LocationArea5G'

duration:

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

Data:

description: Represent the data for storage at A-ADRF.

type: object

properties:

dataType:

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

content:

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

timestamp:

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

analyticsId:

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

analyticsType:

$ref: 'TS29549\_SS\_ADAE\_VALPerformanceAnalytics.yaml#/components/schemas/AnalyticsType'

dataSource:

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

required:

- dataType

- content

- timestamp

- analyticsId

- analyticsType

- dataSource

DataProducerProfile:

description: Represents the data producer profile.

type: object

properties:

profile:

type: string

oneOf:

- required: [profile]

DataSourceInfo:

description: Represents the data source information.

type: object

properties:

source:

type: string

oneOf:

- required: [source]

StorageHandlingInfo:

description: Represent the storage handing information.

type: object

properties:

lifetime:

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

delNotifUri:

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

anyOf:

- required: [lifetime]

- required: [delNotifUri]

DataStoreResp:

description: Represents the data storage response.

type: object

properties:

storeHandl:

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

suppFeat:

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

required:

- storeHandl

AnalyticsMode:

description: Represents the analytics mode.

type: object

properties:

mode:

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

isMlEnab:

type: boolean

required:

- mode

# Simple data types and Enumerations

AadrfEvent:

anyOf:

- type: string

enum:

- HISTORICAL\_SERVICEAPI

- NETWORK\_SLICE

- EDGE\_DATA

- LOCATION\_ACCURACY

- SERVER\_TO\_SERVER\_ANALYTICS

- UE\_RAT\_ANALYTICS

- type: string

description: >

This string provides forward-compatibility with future extensions to the enumeration and

is not used to encode content defined in the present version of this API.

description: |

Indicates the subscribed events.

Possible values are:

- HISTORICAL\_SERVICEAPI: The event for historical service API logs.

- NETWORK\_SLICE: The event for the network slice data.

- EDGE\_DATA: The event for the EDGE related data.

- LOCATION\_ACCURACY: The event for the location accuracy data.

- SERVER\_TO\_SERVER\_ANALYTICS: The event for the Server to Server analytics data.

- UE\_RAT\_ANALYTICS: The event for the UE RAT Connectivity analytics data.

ExposureLevel:

anyOf:

- type: string

enum:

- READ

- WRITE

- DELETE

- type: string

description: >

This string provides forward-compatibility with future extensions to the enumeration and

is not used to encode content defined in the present version of this API.

description: |

Indicates the exposure level.

Possible values are:

- READ: The exposure level for the logs to be exposed is read.

- WRITE: The exposure level for the logs to be exposed is write.

- DELETE: The exposure level for the logs to be exposed is delete.

DataType:

anyOf:

- type: string

enum:

- DATA

- ANALYTICS

- DELETE

- type: string

description: >

This string provides forward-compatibility with future extensions to the enumeration and

is not used to encode content defined in the present version of this API.

description: |

Represents the type of data.

Mode:

anyOf:

- type: string

enum:

- ONLINE

- OFFLINE

- type: string

description: >

This string provides forward-compatibility with future extensions to the enumeration and

is not used to encode content defined in the present version of this API.

description: |

Represents the supported modes of analytics.

AdaeAnalyticsId:

anyOf:

- type: string

enum:

- VAL\_SERVER\_PERF

- VAL\_SESSION\_PERF

- SLICE\_PERFORMANCE\_ANALYTICS

- UE\_TO\_UE\_PERFORMANCE\_ANALYTICS

- LOCATION\_ACCURACY\_PREDICTION

- LOCATION\_ACCURACY\_SUSTAINABILITY

- SERVICE\_API\_ANALYTICS

- SLICE\_USAGE\_PATTERN\_ANALYTICS

- EDGE\_LOAD\_ANALYTICS

- GROUP\_ROUTE

- GROUP\_MEMBER\_DEVIATION

- TARGET\_WITH\_OTHER\_UES

- ANY\_UES\_IN\_LOC

- APP\_MEMBER\_CAPABILITY\_ANALYTICS

- UE\_RAT\_CONNECTIVITY\_ANALYTICS

- SERVER\_TO\_SERVER\_PERFORMANCE

- type: string

description: >

This string provides forward-compatibility with future extensions to the enumeration and

is not used to encode content defined in the present version of this API.

description: |

Indicates the subscribed events.

Possible values are:

- VAL\_SERVER\_PERF: Indicates that requested analytics is VAL server performance analytics.

- VAL\_SESSION\_PERF: Indicates that requested analytics is VAL session performance analytics.

- SLICE\_PERFORMANCE\_ANALYTICS: Indicates that requested analytics is slice performance analytics.

- UE\_TO\_UE\_PERFORMANCE\_ANALYTICS: Indicates that requested analytics is UE-to-UE performance analytics.

- LOCATION\_ACCURACY\_PREDICTION: Indicates that the requested analytics is location accuracy prediction.

- LOCATION\_ACCURACY\_SUSTAINABILITY: Indicates that the requested analytics is location accuracy sustainability.

- SERVICE\_API\_ANALYTICS: Indicates that the requested analytics is service API analytics.

- SLICE\_USAGE\_PATTERN\_ANALYTICS: Indicated that the requested analytics is slice usage pattern analytics.

- EDGE\_LOAD\_ANALYTICS: Indicated that the requested analytics is edge load analytics.

- GROUP\_ROUTE: Indicates that the requested analytics is UE group route analytics.

- GROUP\_MEMBER\_DEVIATION: Indicates that the requested analytics is UE group member deviation analytics.

- TARGET\_WITH\_OTHER\_UES: Indicates that the requested analytics is collision detection between the sets of target and other VAL UEs within a location.

- ANY\_UES\_IN\_LOC: Indicates that the requested analytics is collision detection between any VAL UEs within given location.

- APP\_MEMBER\_CAPABILITY\_ANALYTICS: Indicates that the identifier of the Application layer AIML member capability analytics event.

- UE\_RAT\_CONNECTIVITY\_ANALYTICS: Indicates that the requested analytics is UE RAT connectivity analytics event.

- SERVER\_TO\_SERVER\_PERFORMANCE: Indicates that the requested analytics is Server-to-Server Performance Analytics.

\* \* \* End of changes \* \* \* \*