**3GPP TSG-CT WG3 Meeting #132C3-240173**

**E-Meeting, 22nd – 24th January, 2024 (revision of C3-240092)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.549** | **CR** | **0224** | **rev** | **1** | **Current version:** | **18.4.0** |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

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|  | | | | | | | | | | |
| ***Title:*** | Define API of SS\_AADRF\_DataManagement API | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | ADAES | | | | |  | ***Date:*** | | | 2024-01-10 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-18 |
|  | *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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The A-ADRF related services defined in clause 9.3 of TS 23.436 need to be supported in stage 3. CT3 considers to merge these A-ADRF APIs into one general data management API in stage 3 for the following reasons:   * These five APIs are all used for data retrieval from the A-ADRF which means they belong to the same overall functionality. * If the consumer needs to retrieve several types of data from the A-ADRF simultaneously, it only needs to invoke one service instead of invoking several services. * There are a lot of duplicated information in the different subscriptions/requests and notifications/responses, and merging these APIs will make it much easier for us to maintain them in the future. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Define the resource structure and data model of SS\_AADRF\_DataManagement API. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The stage 2 requirement is not implemented. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 7.10.8(new) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | The CR does impact the OpenAPI file. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

**Additional discussion(if needed):**

**Proposed changes:**

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

### 7.10.8 SS\_AADRF\_DataManagement API

#### 7.10.8.1 API URI

The SS\_AADRF\_DataManagement service shall use the SS\_AADRF\_DataManagement API.

The request URIs used in HTTP requests from the ADAE server towards the A-ADRF shall have the Resource URI structure as defined in clause 6.5 with the following clarifications:

- The <apiName>shall be "ss-aadrf-datamanagement".

- The <apiVersion> shall be "v1".

- The <apiSpecificSuffixes> shall be set as described in clause 7.10.8.2

#### 7.10.8.2 Resources

##### 7.10.8.2.1 Overview

This clause describes the structure for the Resource URIs and the resources and methods used for the service.

Figure 7.10.8.2.1-1 depicts the resource URIs structure for the SS\_AADRF\_DataManagement API.



Figure 7.10.8.2.1-1: Resource URI structure of the SS\_AADRF\_DataManagement API

Table 7.10.8.2.1-1 provides an overview of the resources and applicable HTTP methods.

Table 7.10.8.2.1-1: Resources and methods overview

|  |  |  |  |
| --- | --- | --- | --- |
| Resource name | Resource URI | HTTP method or custom operation | Description |
| A-ADRF Data Management Subscriptions | /subscriptions | POST | Creates a new Individual A-ADRF Data Management Subscription resource. |
| Individual A-ADRF Data Management Subscription | /subscriptions/{subscriptionId} | DELETE | Deletes an Individual A-ADRF Data Management Subscription identified by {subscriptionId}. |

##### 7.10.8.2.2 Resource: A-ADRF Data Management Subscriptions

###### 7.10.8.2.2.1 Description

The A-ADRF Data Management Subscriptions resource represents all the subscriptions stored at A-ADRF. The resource allows an NF service consumer to create a new Individual A-ADRF Data Management Subscription resource.

###### 7.10.8.2.2.2 Resource Definition

Resource URI: **{apiRoot}/ss-aadrf-datamanagement/<apiVersion>/subscriptions**

This resource shall support the resource URI variables defined in the table 7.10.8.2.2.2-1.

Table 7.10.8.2.2.2-1: Resource URI variables for this resource

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Definition |
| apiRoot | string | See clause 6.5. |

###### 7.10.8.2.2.3 Resource Standard Methods

7.10.8.2.2.3.1 POST

This method shall support the URI query parameters specified in table 7.10.8.2.2.3.1-1.

Table 7.10.8.2.2.3.1-1: URI query parameters supported by the POST method on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| n/a |  |  |  |  |

This method shall support the request data structures specified in table 7.10.8.2.2.3.1-2 and the response data structures and response codes specified in table 7.10.8.2.2.3.1-3.

Table 7.10.8.2.2.3.1-2: Data structures supported by the POST Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| DataManageSub | M | 1 | Create a new Individual A-ADRF Data Management Subscription resource. |

Table 7.10.8.2.2.3.1-3: Data structures supported by the POST Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Response  codes | Description |
| DataManageSub | M | 1 | 201 Created | The creation of an Individual A-ADRF Data Management Subscription resource is confirmed and a representation of that resource is returned. |
| NOTE: The mandatory HTTP error status codes for the GET method listed in table 5.2.6-1 of 3GPP TS 29.122 [3] also apply. | | | | |

Table 7.10.8.2.2.3.1-4: Headers supported by the 201 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | Contains the URI of the newly created resource, according to the structure: {apiRoot}/ss-aadrf-datamanagement/<apiVersion>/subscriptions/{subscriptionId} |

###### 7.10.8.2.2.4 Resource Custom Operations

None in this release of the specification.

##### 7.10.8.2.3 Resource: Individual A-ADRF Data Management Subscription

###### 7.10.8.2.3.1 Description

The Individual A-ADRF Data Management Subscription resource represents a single subscription to the SS\_AADRF\_DataManagement Service at a given A-ADRF.

###### 7.10.8.2.3.2 Resource definition

Resource URI: **{apiRoot}/aadrf-datamanagement/<apiVersion>/subscriptions/{subscriptionId}**

The <apiVersion> shall be set as described in clause 7.10.8.2.3.2-1.

This resource shall support the resource URI variables defined in table 7.10.8.2.3.2-1.

Table 7.10.8.2.3.2-1: Resource URI variables for this resource

|  |  |  |
| --- | --- | --- |
| Name | Data type | Definition |
| apiRoot | string | See clause 6.5. |
| subscriptionId | string | Identifies a subscription to the SS\_AADRF\_DataManagement Service. |

###### 7.10.8.2.3.3 Resource Standard Methods

7.10.8.2.3.3.1 DELETE

This method shall support the URI query parameters specified in table 7.10.8.2.3.3.1-1.

Table 7.10.8.2.3.3.1-1: URI query parameters supported by the DELETE method on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| n/a |  |  |  |  |

This method shall support the request data structures specified in table 7.10.8.2.3.3.1-2 and the response data structures and response codes specified in table 7.10.8.2.3.3.1-3.

Table 7.10.8.2.3.3.1-2: Data structures supported by the DELETE Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| n/a |  |  |  |

Table 7.10.8.2.3.3.1-3: Data structures supported by the DELETE Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Response  codes | Description |
| n/a |  |  | 204 No Content | Successful case: The Individual A-ADRF Data Management Subscription resource matching the subscriptionId was deleted. |
| RedirectResponse | O | 0..1 | 307 Temporary Redirect | Temporary redirection, during resource termination. The response shall include a Location header field containing an alternative URI of the resource located in an alternative A-ADRF.  Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [3]. |
| RedirectResponse | O | 0..1 | 308 Permanent Redirect | Permanent redirection, during resource termination. The response shall include a Location header field containing an alternative URI of the resource located in an alternative A-ADRF.  Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [3]. |
| NOTE: The mandatory HTTP error status codes for the DELETE method listed in table 5.2.6-1 of 3GPP TS 29.122 [3] also apply. | | | | |

Table 7.10.8.2.3.3.1-4: Headers supported by the 307 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | An alternative URI of the resource located in an alternative location management server. |

Table 7.10.8.2.3.3.1-5: Headers supported by the 308 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | An alternative URI of the resource located in an alternative location management server. |

###### 7.10.8.2.3.4 Resource Custom Operations

None in this release of the specification.

#### 7.10.8.3 Custom Operations without associated resources

None.

#### 7.10.8.4 Notifications

##### 7.10.8.4.1 General

Table 7.10.8.4.1-1: Notifications overview

|  |  |  |  |
| --- | --- | --- | --- |
| Notification | Callback URI | HTTP method or custom operation | Description (service operation) |
| Event Notification | {notifUri} | POST | Report the subscribed data. |

##### 7.10.8.4.2 Event Notification

###### 7.10.8.4.2.1 Description

The Event Notification is used by the A-ADRF to report the subscribed data to an NF service consumer that has subscribed to such Notifications.

###### 7.10.8.4.2.2 Operation Definition

Callback URI: **{notifUri}**

The operation shall support the callback URI variables defined in Table 7.10.8.4.2.2-1, the request data structures specified in table 7.10.8.4.2.2-2 and the response data structure and response codes specified in Table 7.10.8.4.2.2-3.

Table 7.10.8.4.2.2-1: Callback URI variables

|  |  |  |
| --- | --- | --- |
| Name | Data type | Definition |
| notifUri | Uri | The Notification Uri is assigned within the Individual A-ADRF Data Management Subscription Resource and described within the DataManageSub type. |

Table 7.10.8.4.2.2-2: Data structures supported by the POST Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| DataManageNotification | M | 1 | Provides information about the requested data. |

Table 7.10.8.4.2.2-3: Data structures supported by the POST Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Response codes | Description |
| n/a |  |  | 204 No Content | The receipt of the Notification is acknowledged. |
| RedirectResponse | O | 0..1 | 307 Temporary Redirect | Temporary redirection, during the event notification. |
| RedirectResponse | O | 0..1 | 308 Permanent Redirect | Permanent redirection, during the event notification. |
| NOTE: The mandatory HTTP error status codes for the GET method listed in table 5.2.6-1 of 3GPP TS 29.122 [3] also apply. | | | | | |

Table 7.10.8.4.2.2-4: Headers supported by the 307 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | Contains an alternative URI representing the end point of an alternative NF consumer (service) instance towards which the notification is redirected. |

Table 7.10.8.4.2.2-5: Headers supported by the 308 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | Contains an alternative URI representing the end point of an alternative NF consumer (service) instance towards which the notification is redirected. |

#### 7.10.8.5 Data Model

##### 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 |
| 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. |  |
| DataManageNotification | 7.10.8.5.2.6 | Represents the notification to the consumer. |  |
| DataManageSub | 7.10.8.5.2.2 | Represents the events subscription. |  |
| 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. |  |

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 |
| 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. |  |
| Float | 3GPP TS 29.571 [21] | Used to represent the fractional part of the proximity range in the reference UE details. |  |
| 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. |  |
| 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 | 7.5.1.4.2.13 | Represents the temporal and/or spatial conditions applied for the events to be monitored. |  |

##### 7.10.8.5.2 Structured data types

###### 7.10.8.5.2.1 Introduction

###### 7.10.8.5.2.2 Type: DataManageSub

Table 7.10.8.5.2.2-1: Definition of type DataManageSub

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| eventSubscriptions | array(EventSubscription) | M | 1..N | Subscribed events. |  |
| notifUri | Uri | M | 1 | Identifies the recipient of Notifications sent by the A-ADRF. |  |
| notifCorrId | string | O | 0..1 | Notification correlation identifier. |  |
| supportedFeatures | SupportedFeatures | C | 0..1 | List of Supported features used as described in clause 7.10.8.7.  This parameter shall be supplied by NF service consumer in the POST request that request the creation of an A-ADRF Event Subscriptions resource and shall be supplied by the A-ADRF in the reply of corresponding request. |  |

###### 7.10.8.5.2.3 Type: EventSubscription

Table 7.10.8.5.2.3-1: Definition of type EventSubscription

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| event | AadrfEvent | M | 1 | The event that is subscribed. |  |
| dataCollectReq | string | O | 0..1 | The requirements for data collection. |  |
| dataProducerIds | array(string) | O | 1..N | The list of Data Producer IDs. |  |
| valUes | array(ValTargetUe) | O | 1..N | The target VAL UE(s) identifiers. |  |
| valServerId | string | O | 0..1 | Identifies the target VAL server for which the data collection subscription applies. |  |
| valServiceId | string | O | 0..1 | The VAL service ID of the VAL application. |  |
| profileCriteria | string | O | 0..1 | The characteristics of the data producers to be used. |  |
| validConds | ValidityConditions | O | 0..1 | Represents the temporal and/or spatial conditions applied for the request. |  |
| edgeReq | EdgeReq | O | 0..1 | The EDGE data collection requirement.  This attribute may be present if the subscribed event is "EDGE\_DATA". |  |
| snssais | array(Snssai) | C | 1..N | Identification(s) of network slice(s) to which the subscription applies.  This attribute shall be present if the subscribed event is "NETWORK\_SLICE". |  |
| apiLogReq | ApiLogReq | O | 0..1 | The historical service API logs requirement.  This attribute may be present if the subscribed event is "HISTORICAL\_SERVICEAPI". |  |

Editor's Note: The data type of "profileCriteria" and "dataCollectReq" attributes, and whether new features are needed for different events are FFS.

###### 7.10.8.5.2.4 Type: EdgeReq

Table 7.10.1.4.2.4-1: Definition of type EdgeReq

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| dnais | array(Dnai) | C | 1..N | Identifiers the DN Access Identifier representing location of the service flow.  (NOTE) |  |
| destEasId | string | C | 0..1 | Identifier for the destination EAS, for which the edge load analytics subscription or the edge load data collection subscription, is requested.  (NOTE) |  |
| destEesId | string | C | 0..1 | Identifier for the destination EES, for which the edge load analytics subscription or the edge load data collection subscription, is requested.  (NOTE) |  |
| dnns | array(Dnn) | C | 1..N | Identifiers of the DNNs.  (NOTE) |  |
| NOTE: At least one of these attributes shall be present. | | | | | | |

###### 7.10.8.5.2.5 Type: ApiLogReq

Table 7.10.8.5.2.5-1: Definition of type ApiLogReq

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| apiRequestorInfo | string | M | 1 | Identifier of the originated application querying service API log request. |  |
| apiId | string | O | 0..1 | String identifying the API invoked. |  |
| apiName | string | O | 0..1 | Name of the API which was invoked, it is set as {apiName} part of the URI structure as defined in clause 5.2.4 of 3GPP TS 29.122 [3]. |  |
| apiVersion | string | O | 0..1 | Version of the API which was invoked. |  |
| inputParameters | ANY TYPE | O | 0..1 | List of input parameters. |  |
| result | string | O | 0..1 | For HTTP protocol, it contains HTTP status code of the invocation. |  |
| apiInvokerId | string | O | 0..1 | Identity of the API invoker which invoked the service API. |  |
| exposureLvl | ExposureLevel | O | 0..1 | The level of exposure requirement for the logs to be exposed. |  |
| apiAggreInfo | string | O | 0..1 | The aggregation or abstraction/filtering requirement needs to be applied. |  |

Editor's Note: The data type of "apiAggreInfo" attribute is FFS.

###### 7.10.8.5.2.6 Type: DataManageNotification

Table 7.10.1.4.2.6-1: Definition of type DataManageNotification

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| event | AadrfEvent | M | 1 | The event that is subscribed. |  |
| notifCorrId | string | O | 0..1 | Notification correlation identifier. |  |
| valServerId | string | O | 0..1 | Identifies the target VAL server for which the data collection subscription applies.  This attribute shall be present if the subscribed event is "HISTORICAL\_SERVICEAPI". |  |
| valServiceId | string | O | 0..1 | The VAL service ID of the VAL application. |  |
| valUeIds | array(ValTargetUe) | O | 1..N | The target VAL UE(s) identifiers. |  |
| locAccuracy | string | O | 0..1 | The requested location analytics/data. |  |
| validConds | ValidityConditions | O | 0..1 | Represents the temporal and/or spatial conditions applied for the request. |  |
| apiLog | ApiLogInfo | O | 0..1 | The API log information.  This attribute may be present if the subscribed event is "HISTORICAL\_SERVICEAPI". |  |
| rttDeviation | Float | O | 0..1 | Indicates the deviation value of RTT.  This attribute may be present if the subscribed event is "NETWORK\_SLICE". |  |
| snssais | array(Snssai) | O | 1..N | Identification(s) of network slice(s) to which the subscription applies.  This attribute may be present if the subscribed event is "NETWORK\_SLICE". |  |
| edgeInfo | EdgeInfo | O | 0..1 | The EDGE related information.  This attribute may be present if the subscribed event is "EDGE\_DATA". |  |

Editor's Note: The data type of "locAccuracy" attribute is FFS.

###### 7.10.8.5.2.7 Type: ApiLogInfo

Table 7.10.1.4.2.7-1: Definition of type ApiLogInfo

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| apiId | string | M | 1 | String identifying the API invoked. |  |
| apiName | string | O | 0..1 | Name of the API which was invoked, it is set as {apiName} part of the URI structure as defined in clause 5.2.4 of 3GPP TS 29.122 [3]. |  |
| failNum | Uinteger | O | 0..1 | Indicates the number of failure API invocations. |  |
| apiAvailableInd | boolean | O | 0..1 | Indicates the API availability. Set to "true" to indicate that the API is available. Default value is "false" if omitted. |  |
| apiVerChgNum | Uinteger | O | 0..1 | Indicates the number of API version changes. |  |
| apiLocChg | boolean | O | 0..1 | Indicates the API location changes for the target API. Set to "true" to indicate that the API location has changed. Default value is "false" if omitted. |  |
| apiThrottlingEvents | string | O | 0..1 | Indicates the API throttling events. |  |
| invokeNum | Uinteger | O | 0..1 | Indicates the number of API invocations. |  |
| apiVersion | string | O | 0..1 | Version of the API which was invoked. |  |

Editor's Note: The data type of "apiThrottlingEvents" attribute is FFS.

###### 7.10.8.5.2.8 Type: EdgeInfo

Table 7.10.8.5.2.8-1: Definition of type EdgeInfo

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| edgeReq | EdgeReq | O | 0..1 | Indicates the DNAI, EAS and EES information which the data applies. |  |
| output | string | O | 0..1 | The reported data. |  |

Editor's Note: The data type of "output" attribute is FFS.

##### 7.10.8.5.3 Simple data types and enumerations

###### 7.10.8.5.3.1 Enumeration: AadrfEvent

Table 7.10.8.5.3.1-1: Enumeration AadrfEvent

|  |  |  |
| --- | --- | --- |
| Enumeration value | Description | Applicability |
| 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. |  |

###### 7.10.8.5.3.2 Enumeration: ExposureLevel

Table 7.10.8.5.3.2-1: Enumeration ExposureLevel

|  |  |  |
| --- | --- | --- |
| Enumeration value | Description | Applicability |
| 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. |  |

#### 7.10.8.6 Error Handling

##### 7.10.8.6.1 General

HTTP error handling shall be supported as specified in clause 6.7.

##### 7.10.8.6.2 Protocol Errors

In this Release of the specification, there are no additional protocol errors applicable for the SS\_AADRF\_DataManagement API.

##### 7.10.8.6.3 Application Errors

The application errors defined for SS\_AADRF\_DataManagement API are listed in table 7.10.8.6.3-1.

Table 7.10.8.6.3-1: Application errors

|  |  |  |  |
| --- | --- | --- | --- |
| Application Error | HTTP status code | Description | Applicability |
|  |  |  |  |

#### 7.10.8.7 Feature negotiation

General feature negotiation procedures are defined in clause 6.8.

Table 7.10.8.7-1: Supported Features

|  |  |  |
| --- | --- | --- |
| **Feature number** | **Feature Name** | **Description** |
|  |  |  |

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