**3GPP TSG-CT WG3 Meeting #142 *C3-253216***

**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\_ADCCF\_DataCollection API |
|  |  |
| ***Source to WG:*** | Ericsson |
| ***Source to TSG:*** | C3 |
|  |  |
| ***Work item code:*** | TEI19\_ADAES |  | ***Date:*** | 2025-06-20 |
|  |  |  |  |  |
| ***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 canbe 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\_ADCCF\_DataCollection API shall be resolved before the end of the Release. |
|  |  |
| ***Summary of change:*** | This CR proposes to resolve the ENs:* Implementatation of one-time immediate report.
* Missing update service operation implementation.
 |
|  |  |
| ***Consequences if not approved:*** | The Release 19 cannot be frozen due to remaining ENs |
|  |  |
| ***Clauses affected:*** | 5.11.12.2.2.2, 7.10.13.3.1, 7.10.13.3.2.3.1, 7.10.13.3.3.3.3 (new), 7.10.13.3.3.3.4 (new), 7.10.13.6.1, 7.10.13.6.2.2, 7.10.13.6.2.9 (new), A.29 |
|  |  |
|  | **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\_ADCCF\_DataCollection.yaml |
|  |  |
| ***This CR's revision history:*** |  |

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

###### 5.11.12.2.2.2 Data Collection Subscription Creation

To subscribe to data collection, the service consumer shall send an HTTP POST message targeting the "Data Collection Subscriptions" resource, and the body containing the DataCollectionSub data structure as defined in clause 7.10.13.4.2.2.

Upon reception of the HTTP POST request message, the A-DCCF shall:

1. verify the identity of the service consumer and determine if the service consumer is authorized to subscribe to data collection event; and

2. if the service consumer authorized, the A-DCCF shall either:

a. if both one time reporting and immediate reporting were requested, respond to the service consumer with an HTTP "200 OK" status code with the response body including the DataCollectionResp data structure; or

b. create a new "Individual Data Collection Subscription" resource and respond to the service consumer with an HTTP "201 Created" status code, including a Location header field containing the URI for the created resource and the response body including the DataCollectionSub data structure containing a representation of the created resource.

If errors occur when processing the HTTP POST request, the A-DCCF shall send an appropriate HTTP error response as specified in clause 7.10.13.5.

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

##### 7.10.13.3.1 Overview

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

Figure 7.10.13.3.1-1 depicts the resource URIs structure for the SS\_ADCCF\_DataCollection.

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**Figure 7.10.13.3.1-1: Resource URI structure of the SS\_ADCCF\_DataCollection**

Table 7.10.13.3.1-1 provides an overview of the resources and applicable HTTP methods.

**Table 7.10.13.3.1-1: Resources and methods overview**

|  |  |  |  |
| --- | --- | --- | --- |
| **Resource name** | **Resource URI** | **HTTP method** | **Description**  |
| Data Collection Subscriptions | /subscriptions | POST | Create an "Individual Data Collection Subscription" resource. |
| Data Collection Subscription | /subscriptions/{subscriptionId} | GET | Read the "Individual Data Collection Subscription" resource. |
| PUT | Update the "Individual Data Collection Subscription" resource. |
| PATCH | Modify the "Individual Data Collection Subscription" resource. |
| DELETE | Remove the "Individual Data Collection Subscription" resource. |

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

7.10.13.3.2.3.1 POST

This method to subscribe to the event of the location-related UE group analytics and shall support the URI query parameters specified in table 7.10.13.3.2.3.1-1.

Table 7.10.13.3.2.3.1-1: 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 7.10.13.3.2.3.1-2 and the response data structures and response codes specified in table 7.10.13.3.2.3.1-3.

Table 7.10.13.3.2.3.1-2: Data structures supported by the POST Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| DataCollectionSub | M | 1 | Subscription to the location-related UE group analytics. |

Table 7.10.13.3.2.3.1-3: Data structures supported by the POST Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Responsecodes | Description |
| DataCollectionSub | M | 1 | 201 Created | The "Individual Data Collection Subscription" resource is created. |
| DataCollectionResp | M | 1 | 200 OK | The requested data collection response is returned. |
| NOTE: The mandatory HTTP error status codes for the POST method listed in table 5.2.6-1 of 3GPP TS 29.122 [3] shall also apply. |

Table 7.10.13.3.2.3.1-4: 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-adccf-dc/<apiVersion>/subscriptions/{subscriptionId} |

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

7.10.13.3.3.3.3 PUT

The HTTP PUT method allows a service consumer to request the update of an existing "Individual Data Collection Subscription" resource at the A-DCCF.

This method shall support the URI query parameters specified in table 7.10.13.3.3.3.3-1.

Table 7.10.13.3.3.3.3-1: URI query parameters supported by the PUT method on this resource

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

This method shall support the request data structures specified in table 7.10.13.3.3.3.3-2 and the response data structures and response codes specified in table 7.10.13.3.3.3.3-3.

Table 7.10.13.3.3.3.3-2: Data structures supported by the PUT Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| DataCollectionSub | M | 1 | Contains the updated representation of the "Individual Data Collection Subscription" resource. |

Table 7.10.13.3.3.3.3-3: Data structures supported by the PUT Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Responsecodes | Description |
| DataCollectionSub | M | 1 | 200 OK | Successful case. The "Individual Data Collection Subscription" resource is successfully updated, and a representation of the updated resource is returned in the response body. |
| n/a |  |  | 204 No Content | Successful case. The "Individual Data Collection Subscription" resource is successfully updated, and no content is returned in the response body. |
| n/a |  |  | 307 Temporary Redirect | Temporary redirection.The response shall include a Location header field containing an alternative target URI of the resource located in an alternative A-DCCF.Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [3]. |
| n/a |  |  | 308 Permanent Redirect | Permanent redirection.The response shall include a Location header field containing an alternative target URI of the resource located in an alternative A-DCCF.Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [3]. |
| NOTE: The mandatory HTTP error status codes for the HTTP PUT method listed in table 5.2.6-1 of 3GPP TS 29.122 [3] shall also apply. |

Table 7.10.13.3.3.3.3-4: Headers supported by the 307 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | Contains an alternative target URI of the resource located in an alternative A-DCCF. |

Table 7.10.13.3.3.3.3-5: Headers supported by the 308 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | Contains an alternative target URI of the resource located in an alternative A-DCCF. |

7.10.13.3.3.3.4 PATCH

The HTTP PATCH method allows a service consumer to request the modification of an existing "Individual Data Collection Subscription" resource at the A-DCCF.

This method shall support the URI query parameters specified in table 7.10.13.3.3.3.4-1.

Table 7.10.13.3.3.3.4-1: URI query parameters supported by the PATCH method on this resource

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

This method shall support the request data structures specified in table 7.10.13.3.3.3.4-2 and the response data structures and response codes specified in table 7.10.13.3.3.3.4-3.

Table 7.10.13.3.3.3.4-2: Data structures supported by the PATCH Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| DataCollectionSubPatch | M | 1 | Contains the requested modifications to the "Individual Data Collection Subscription" resource. |

Table 7.10.13.3.3.3.4-3: Data structures supported by the PATCH Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Responsecodes | Description |
| DataCollectionSub | M | 1 | 200 OK | Successful case. The "Individual Data Collection Subscription" resource is successfully modified and a representation of the updated resource is returned in the response body. |
| n/a |  |  | 204 No Content | Successful case. The "Individual Data Collection Subscription" resource is successfully modified and no content is returned in the response body. |
| n/a |  |  | 307 Temporary Redirect | Temporary redirection.The response shall include a Location header field containing an alternative target URI of the resource located in an alternative A-DCCF.Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [3]. |
| n/a |  |  | 308 Permanent Redirect | Permanent redirection.The response shall include a Location header field containing an alternative target URI of the resource located in an alternative A-DCCF.Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [3]. |
| NOTE: The mandatory HTTP error status codes for the HTTP PATCH method listed in table 5.2.6-1 of 3GPP TS 29.122 [3] shall also apply. |

Table 7.10.13.3.3.3.4-4: Headers supported by the 307 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | Contains an alternative target URI of the resource located in an alternative A-DCCF. |

Table 7.10.13.3.3.3.4-5: Headers supported by the 308 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | Contains an alternative target URI of the resource located in an alternative A-DCCF. |

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

##### 7.10.13.6.1 General

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

Table 7.10.13.6.1-1 specifies the data types defined specifically for the SS\_ADCCF\_DataCollection service.

Table 7.10.13.6.1-1: SS\_ADCCF\_DataCollection specific Data Types

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Section defined | Description | Applicability |
| AdccfDataType | 7.10.13.6.2.6 | Represents type of A-DCCF data. |  |
| DataCollectionNotif | 7.10.13.6.2.3 | Represents the Data Collection Notification. |  |
| DataCollectionReq | 7.10.13.6.2.4 | Represents the data collection requirements. |  |
| DataCollectionResp | 7.10.13.6.2.10 | Represents the data collection response. |  |
| DataCollectionSub | 7.10.13.6.2.2 | Represents the Data Collection Subscription. |  |
| DataCollectionSubPatch | 7.10.13.6.2.9 | Represents the requested modifications to a Data Collection Subscription. |  |
| DataOutput | 7.10.13.6.2.8 | Represents the A-DCCF data output. |  |
| DataType | 7.10.13.6.3.3 | Represents the type of data. |  |
| GranularityType | 7.10.13.6.3.4 | Represents the granularity type. |  |
| ProcessingReq | 7.10.13.6.2.5 | Represents the data processing requirements. |  |
| StorageRequirements | 7.10.13.6.2.7 | Represents the data storage requirements. |  |

Table 7.10.13.6.1-2 specifies data types re-used by the SS\_ADCCF\_DataCollection service:

Table 7.10.13.6.1-2: Re-used Data Types

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Reference | Comments | Applicability |
| AnalyticsType | Clause 7.10.1.4.2.6 | Represents the type of analytics. |  |
| DataProducerProfile | Clause 7.10.8.5.2.12 | Represents the data producer profile. |  |
| DurationSec | 3GPP TS 29.122 [3] | Represents a period of time in units of seconds. |  |
| dataFormat | 3GPP TS 29.222 [16] | Represents the data format. |  |
| LocationArea5G | 3GPP TS 29.122 [3] | Represents location information. |  |
| SupportedFeatures | 3GPP TS 29.571 [21] | Used to negotiate the supported optional features of the API. |  |
| Uri | 3GPP TS 29.122 [3] | Indicate the notification URI. |  |

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

###### 7.10.13.6.2.2 Type: DataCollectionSub

Table 7.10.13.6.2.2-1: Definition of type DataCollectionSub

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| dataColEvnId | string | M | 1 | Represents data collection event identifier. |  |
| dataColReq | DataCollectionReq | M | 1 | Represents data collection requirements. |  |
| repReq | ReportingInformation | O | 0..1 | Represents the reporting requirements of the subscription. |  |
| analyticsId | string | O | 0..1 | Represents the analytics ID. |  |
| dataProdIds | array(string) | O | 0..1 | Represents list of data producer identifier(s). |  |
| profiles | array(DataProducerProfile) | C | 1..N | Represent the data producer profile criteria.This attribute shall be provided if "dataProdId" is provided. |  |
| area | LocationArea5G | O | 0..1 | Represents the location information for the data producers subscription requests. |  |
| duration | DurationSec | O | 0..1 | Represents the time validity for the data producers subscription requests. |  |
| procReq | ProcessingReq | O | 0..1 | Represents the processing requirements. |  |
| storageReqs | StorageRequirements | O | 1..N | Represents the strorage requirements. |  |
| notifUri | Uri | M | 1 | Represents the notification URI. |  |
| imReport | DataCollectionNotif | C | 0..1 | Represents the immediate report.This attribute shall be present only when immediate reporting was requested and there are available report(s). |  |
| suppFeat | SupportedFeatures | C | 0..1 | Used to negotiate the applicability of optional features.This attribute shall be present only if feature negotiation needs to take place. |  |

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

###### 7.10.13.6.2.9 Type: DataCollectionSubPatch

Table 7.10.13.6.2.9-1: Definition of type DataCollectionSubPatch

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| dataColReq | DataCollectionReq | O | 0..1 | Represents data collection requirements. |  |
| repReq | ReportingInformation | O | 0..1 | Represents the reporting requirements of the subscription. |  |
| dataProdIds | array(string) | O | 1..N | Represents list of data producer identifier(s). |  |
| profiles | array(DataProducerProfile) | O | 1..N | Represent the data producer profile criteria. |  |
| duration | DurationSec | O | 0..1 | Represents the time validity for the data producers subscription requests. |  |
| notifUri | Uri | O | 0..1 | Represents the notification URI. |  |

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

###### 7.10.13.6.2.10 Type: DataCollectionResp

Table 7.10.13.6.2.10-1: Definition of type DataCollectionResp

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| reports | array(DataCollectionNotif) | M | 1..N | Represents the data collection reports. |  |
| suppFeat | SupportedFeatures | C | 0..1 | Used to negotiate the applicability of optional features.This attribute shall be present only if feature negotiation needs to take place. |  |

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

# A.29 SS\_ADCCF\_DataCollection API

openapi: 3.0.0

info:

 title: SS\_ADCCF\_DataCollection API

 version: 1.0.0-alpha.1

 description: |

 API for A-DCCF Data Collection service.

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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-adccf-dc/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 an "Individual Data Collection Subscription" resource.

 operationId: SubscribeDataCollection

 tags:

 - Data Collection Subscriptions (Collection)

 requestBody:

 required: true

 content:

 application/json:

 schema:

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

 responses:

 '201':

 description: >

 The "Individual Data Collection Subscription" resource is created.

 content:

 application/json:

 schema:

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

 headers:

 Location:

 description: Contains the URI of the newly created individual resource.

 required: true

 schema:

 type: string

 '200':

 description: The requested data collection response is returned.

 content:

 application/json:

 schema:

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

 '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:

 DataCollectionNotif:

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

 post:

 requestBody:

 required: true

 content:

 application/json:

 schema:

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

 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 identifier of an Individual Location-Related UE

 Group Analytics Subscription.

 required: true

 schema:

 type: string

 get:

 summary: Read the "Individual Data Collection Subscription" resource.

 operationId: ReadDataCollectionSubscription

 tags:

 - Individual Data Collection Subscription (Document)

 responses:

 '200':

 description: >

 The requested "Individual Data Collection Subscription"

 resource is returned.

 content:

 application/json:

 schema:

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

 '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'

 put:

 summary: >

 Update the "Individual Data Collection Subscription" resource.

 operationId: UpdateDataCollectionSubscription

 tags:

 - Individual Data Collection Subscription (Document)

 requestBody:

 required: true

 content:

 application/json:

 schema:

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

 responses:

 '200':

 description: >

 Successful case. The "Individual Data Collection Subscription"

 resource is successfully updated, and a representation of the

 updated resource is returned in the response body.

 content:

 application/json:

 schema:

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

 '204':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/204'

 '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'

 patch:

 summary: Modify the "Individual Data Collection Subscription" resource.

 operationId: ModifyDataCollectionSubscription

 tags:

 - Individual Data Collection Subscription (Document)

 requestBody:

 required: true

 content:

 application/merge-patch+json:

 schema:

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

 responses:

 '200':

 description: >

 Successful case. The "Individual Data Collection Subscription"

 resource is successfully modified and a representation of the updated

 resource is returned in the response body.

 content:

 application/json:

 schema:

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

 '204':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/204'

 '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'

 delete:

 summary: Remove the "Individual Data Collection Subscription" resource.

 operationId: RemoveDataCollectionSubscription

 tags:

 - Individual Data Collection Subscription (Document)

 responses:

 '204':

 description: >

 The "Individual Data Collection 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'

components:

 securitySchemes:

 oAuth2ClientCredentials:

 type: oauth2

 flows:

 clientCredentials:

 tokenUrl: '{tokenUrl}'

 scopes: {}

 schemas:

 DataCollectionSub:

 description: >

 Represents the Data Collection Subscription.

 type: object

 properties:

 dataColEvnId:

 type: string

 dataColReq:

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

 repReq:

 $ref: 'TS29523\_Npcf\_EventExposure.yaml#/components/schemas/ReportingInformation'

 analyticsId:

 type: string

 dataProdIds:

 type: array

 items:

 type: string

 minItems: 1

 profiles:

 type: array

 items:

 $ref: 'TS29549\_SS\_AADRF\_DataManagement.yaml#/components/schemas/DataProducerProfile'

 minItems: 1

 area:

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

 duration:

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

 procReq:

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

 storageReqs:

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

 notifUri:

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

 suppFeat:

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

 imReport:

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

 required:

 - dataColEvnId

 - dataColReq

 - notifUri

 DataCollectionSubPatch:

 description: >

 Represents the requested modifications to a Data Collection Subscription.

 type: object

 properties:

 dataColReq:

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

 repReq:

 $ref: 'TS29523\_Npcf\_EventExposure.yaml#/components/schemas/ReportingInformation'

 dataProdIds:

 type: array

 items:

 type: string

 minItems: 1

 profiles:

 type: array

 items:

 $ref: 'TS29549\_SS\_AADRF\_DataManagement.yaml#/components/schemas/DataProducerProfile'

 minItems: 1

 duration:

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

 notifUri:

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

 DataCollectionResp:

 description: >

 Represents the data collection response.

 type: object

 properties:

 reports:

 type: array

 items:

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

 minItems: 1

 suppFeat:

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

 required:

 - reports

 DataCollectionNotif:

 description: >

 Represents the Data Collection Notification.

 type: object

 properties:

 dataColEvnId:

 type: string

 analyticsId:

 type: string

 analyticsType:

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

 dataType:

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

 dataOutput:

 type: string

 procReq:

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

 storageReqs:

 type: array

 items:

 type: string

 minItems: 1

 required:

 - dataColEvnId

 - dataOutput

 DataCollectionReq:

 description: >

 Represents the data collection requirements.

 type: object

 properties:

 dataFormat:

 $ref: 'TS29222\_CAPIF\_Publish\_Service\_API.yaml#/components/schemas/DataFormat'

 repFreq:

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

 abstraction:

 type: integer

 minimum: 0

 maximum: 100

 accuracy:

 type: integer

 minimum: 0

 maximum: 100

 required:

 - dataFormat

 - repFreq

 - abstraction

 - accuracy

 ProcessingReq:

 description: >

 Represents the data processing requirements.

 type: object

 properties:

 req:

 type: string

 anyOf:

 - required: [req]

 AdccfDataType:

 description: >

 Represents A-DCCD data type.

 type: object

 properties:

 type:

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

 gran:

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

 oneOf:

 - required: [type]

 - required: [gran]

 DataOutput:

 description: >

 Represents the A-DCCF data output.

 type: object

 properties:

 dataOutput:

 type: string

 required:

 - dataOutput

 StorageRequirements:

 description: >

 Represents the data storage requirements.

 type: object

 properties:

 storageReqs:

 type: array

 items:

 type: string

 minItems: 1

 required:

 - storageReqs

# Simple data types and Enumerations

 DataType:

 anyOf:

 - type: string

 enum:

 - UE\_DATA

 - NETWORK\_DATA

 - APP\_DATA

 - EDGE\_DATA

 - 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 data type.

 Possible values are:

 - UE\_DATA: Indicates that the data sample related to the UE data.

 - NETWORK\_DATA: Indicates that the data sample related to the network data.

 - APP\_DATA: Indicates that the data sample related to the application data.

 - EDGE\_DATA: Indicates that the data sample related to the edge data.

 GranularityType:

 anyOf:

 - type: string

 enum:

 - REAL\_TIME

 - NON\_REAL\_TIME

 - 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 granularity type.

 Possible values are:

 - REAL\_TIME: Indicates that the data granularity is real time.

 - NON\_REAL\_TIME: Indicates that the data granularity is non-real time.

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