**3GPP TSG-CT3 Meeting #119e C3-216162\_r1**

**E-Meeting, 11th – 19th November 2021**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.519** | **CR** | **0288** | **rev** | **1** | **Current version:** | **17.4.0** |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
|  | | | | | | | | |

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Feature negotiation at PFD data retrieval | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | ZTE | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI17, en5GPccSer | | | | |  | ***Date:*** | | | 2021-09-30 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***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:*** | | The SMF can either use local configuration or query NRF to discover the NEF. If the SMF uses local configuration to discover the NEF, it is possible the SMF selected NEF is not the provisioning NEF so that the UDR is used to notify the PFD change.  In the case that the SMF selected NEF is not the provisioning NEF, there might be a first interaction with a GET on PFD data resource and Individual PFD Data resource, therefore a query parameter of the SupportedFeatures data type for the GET operation is needed. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Clauses 6.2.3.3.1 and 6.2.4.3.1 updated to include a query parameter of the SupportedFeatures data type for the GET operation.  OpenAPI file updated accordingly. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | DomainNameProtocol feature may not be negotiated between the NEF and UDR during the first interaction at PFD data retrieval using GET operation. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.2.3.3.1, 6.2.4.3.1, 6.4.2.6, A.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 corrections to the OpenAPI file for Nudr\_DataRepository API for Application Data. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

\*\*\* First Change \*\*\*

##### 6.2.3.3.1 GET

This method shall support the URI query parameters specified in table 6.2.3.3.1-1.

Table 6.2.3.3.1-1: URI query parameters supported by the GET method on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| appId | array(ApplicationId) | O | 1..N | Contains the information of the application identifier(s) for the querying PFD Data resource.  If none appId is included in the URI, it applies to all application identifier(s) for the querying PFD Data resource. |
| supp-feat | SupportedFeatures | O | 0..1 | The features supported by the NF service consumer. |

This method shall support the request data structures specified in table 6.2.3.3.1-2 and the response data structures and response codes specified in table 6.2.3.3.1-3.

Table 6.2.3.3.1-2: Data structures supported by the GET Request Body on this resource

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

Table 6.2.3.3.1-3: Data structures supported by the GET Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Response  codes | Description |
| array(PfdDataForAppExt) | M | 0..N | 200 OK | A representation of PFDs for request applications is returned. |
| NOTE: The mandatory HTTP error status codes for the GET method listed in table 5.2.7.1-1 of 3GPP TS 29.500 [4] also apply. | | | | |

\*\*\* Next Change \*\*\*

##### 6.2.4.3.1 GET

This method shall support the URI query parameters specified in table 6.2.4.3.1-1.

Table 6.2.4.3.1-1: URI query parameters supported by the GET method on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Data type** | **P** | **Cardinality** | **Description** |
| supp-feat | SupportedFeatures | O | 0..1 | The features supported by the NF service consumer. |

This method shall support the request data structures specified in table 6.2.4.3.1-2 and the response data structures and response codes specified in table 6.2.4.3.1-3.

Table 6.2.4.3.1-2: Data structures supported by the GET Request Body on this resource

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

Table 6.2.4.3.1-3: Data structures supported by the GET Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Response  codes | Description |
| PfdDataForAppExt | M | 1 | 200 OK | A representation of PFDs for the request application identified by the application identifier is returned. |
| NOTE: The mandatory HTTP error status codes for the GET method listed in table 5.2.7.1-1 of 3GPP TS 29.500 [4] also apply. | | | | |

\*\*\* Next Change \*\*\*

#### 6.4.2.6 Type: PfdDataForAppExt

Table 6.4.2.6-1: Definition of type PfdDataForAppExt

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| suppFeat | SupportedFeatures | O | 0..1 | Used to negotiate the applicability of the optional features.  This attribute shall be provided in the PUT request and in the response of successful resource creation.  This attribute shall be provided in the HTTP GET response if the "supp-feat" attribute query parameter is included in the HTTP GET request. |  |
| NOTE: This data type also contains all the properties defined for PfdDataForApp data type in 3GPP TS 29.551 [8]. | | | | | |

\*\*\* Next Change \*\*\*

# A.3 Nudr\_DataRepository API for Application Data

For the purpose of referencing entities in the Open API file defined in this Annex, it shall be assumed that this Open API file is contained in a physical file named "TS29519\_Application\_Data.yaml".

openapi: 3.0.0

info:

version: '-'

title: Unified Data Repository Service API file for Application Data

description: |

The API version is defined in 3GPP TS 29.504

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externalDocs:

description: 3GPP TS 29.519 V17.4.0; 5G System; Usage of the Unified Data Repository Service for Policy Data, Application Data and Structured Data for Exposure.

url: 'http://www.3gpp.org/ftp/Specs/archive/29\_series/29.519/'

paths:

/application-data/pfds:

get:

summary: Retrieve PFDs for application identifier(s)

operationId: ReadPFDData

tags:

- PFD Data (Store)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

parameters:

- name: appId

in: query

description: Contains the information of the application identifier(s) for the querying PFD Data resource. If none appId is included in the URI, it applies to all application identifier(s) for the querying PFD Data resource.

required: false

schema:

type: array

items:

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

minItems: 1

parameters:

- name: supp-feat

in: query

description: Supported Features

required: false

schema:

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

responses:

'200':

description: A representation of PFDs for request applications is returned.

content:

application/json:

schema:

type: array

items:

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

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/pfds/{appId}:

get:

summary: Retrieve the corresponding PFDs of the specified application identifier

operationId: ReadIndividualPFDData

tags:

- Individual PFD Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

parameters:

- name: appId

in: path

description: Indicate the application identifier for the request pfd(s). It shall apply the format of Data type ApplicationId.

required: true

schema:

type: string

parameters:

- name: supp-feat

in: query

description: Supported Features

required: false

schema:

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

responses:

'200':

description: A representation of PFDs for the request application identified by the application identifier is returned.

content:

application/json:

schema:

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

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

delete:

summary: Delete the corresponding PFDs of the specified application identifier

operationId: DeleteIndividualPFDData

tags:

- Individual PFD Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

parameters:

- name: appId

in: path

description: Indicate the application identifier for the request pfd(s). It shall apply the format of Data type ApplicationId.

required: true

schema:

type: string

responses:

'204':

description: Successful case. The Individual PFD Data resource related to the application identifier was deleted.

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

put:

summary: Create or update the corresponding PFDs for the specified application identifier

operationId: CreateOrReplaceIndividualPFDData

tags:

- Individual PFD Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

requestBody:

required: true

content:

application/json:

schema:

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

parameters:

- name: appId

in: path

description: Indicate the application identifier for the request pfd(s). It shall apply the format of Data type ApplicationId.

required: true

schema:

type: string

responses:

'201':

description: The creation of an Individual PFD Data resource related to the application-identifier is confirmed and a representation of that resource is returned.

content:

application/json:

schema:

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

headers:

Location:

description: 'Contains the URI of the newly created resource, according to the structure: {apiRoot}/nudr-dr/<apiVersion>/application-data/pfds/{appId}'

required: true

schema:

type: string

'200':

description: Successful case. The upgrade of an Individual PFD Data resource related to the application identifier is confirmed and a representation of that resource is returned.

content:

application/json:

schema:

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

'204':

description: No content

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/influenceData:

get:

summary: Retrieve Traffic Influence Data

operationId: ReadInfluenceData

tags:

- Influence Data (Store)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

parameters:

- name: influence-Ids

in: query

description: Each element identifies a service.

required: false

schema:

type: array

items:

type: string

minItems: 1

- name: dnns

in: query

description: Each element identifies a DNN.

required: false

schema:

type: array

items:

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

minItems: 1

- name: snssais

in: query

description: Each element identifies a slice.

required: false

content:

application/json:

schema:

type: array

items:

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

minItems: 1

- name: internal-Group-Ids

in: query

description: Each element identifies a group of users.

required: false

schema:

type: array

items:

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

minItems: 1

- name: supis

in: query

description: Each element identifies the user.

required: false

schema:

type: array

items:

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

minItems: 1

- name: supp-feat

in: query

required: false

description: Supported Features

schema:

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

responses:

'200':

description: The Traffic Influence Data stored in the UDR are returned.

content:

application/json:

schema:

type: array

items:

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

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/influenceData/{influenceId}:

put:

summary: Create or update an individual Influence Data resource

operationId: CreateOrReplaceIndividualInfluenceData

tags:

- Individual Influence Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

requestBody:

required: true

content:

application/json:

schema:

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

parameters:

- name: influenceId

in: path

description: The Identifier of an Individual Influence Data to be created or updated. It shall apply the format of Data type string.

required: true

schema:

type: string

responses:

'201':

description: The creation of an Individual Traffic Influence Data resource is confirmed and a representation of that resource is returned.

content:

application/json:

schema:

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

headers:

Location:

description: 'Contains the URI of the newly created resource, according to the structure: {apiRoot}/nudr-dr/<apiVersion>/application-data/influenceData/{influenceId}'

required: true

schema:

type: string

'200':

description: The update of an Individual Traffic Influence Data resource is confirmed and a response body containing Traffic Influence Data shall be returned.

content:

application/json:

schema:

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

'204':

description: No content

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

patch:

summary: Modify part of the properties of an individual Influence Data resource

operationId: UpdateIndividualInfluenceData

tags:

- Individual Influence Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

requestBody:

required: true

content:

application/merge-patch+json:

schema:

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

parameters:

- name: influenceId

in: path

description: The Identifier of an Individual Influence Data to be updated. It shall apply the format of Data type string.

required: true

schema:

type: string

responses:

'200':

description: The update of an Individual Traffic Influence Data resource is confirmed and a response body containing Traffic Influence Data shall be returned.

content:

application/json:

schema:

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

'204':

description: No content

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

delete:

summary: Delete an individual Influence Data resource

operationId: DeleteIndividualInfluenceData

tags:

- Individual Influence Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

parameters:

- name: influenceId

in: path

description: The Identifier of an Individual Influence Data to be updated. It shall apply the format of Data type string.

required: true

schema:

type: string

responses:

'204':

description: The Individual Influence Data was deleted successfully.

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/influenceData/subs-to-notify:

post:

summary: Create a new Individual Influence Data Subscription resource

operationId: CreateIndividualInfluenceDataSubscription

tags:

- Influence Data Subscriptions (Collection)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'201':

description: The subscription was created successfully.

content:

application/json:

schema:

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

headers:

Location:

description: 'Contains the URI of the newly created resource'

required: true

schema:

type: string

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

callbacks:

trafficInfluenceDataChangeNotification:

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

post:

requestBody:

required: true

content:

application/json:

schema:

type: array

items:

oneOf:

- $ref: '#/components/schemas/TrafficInfluData'

- $ref: '#/components/schemas/TrafficInfluDataNotif'

minItems: 1

responses:

'204':

description: No Content, Notification was successful

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'403':

$ref: 'TS29122\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29122\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

get:

summary: Read Influence Data Subscriptions

operationId: ReadInfluenceDataSubscriptions

tags:

- Influence Data Subscriptions (Collection)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

parameters:

- name: dnn

in: query

description: Identifies a DNN.

required: false

schema:

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

- name: snssai

in: query

description: Identifies a slice.

required: false

content:

application/json:

schema:

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

- name: internal-Group-Id

in: query

description: Identifies a group of users.

required: false

schema:

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

- name: supi

in: query

description: Identifies a user.

required: false

schema:

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

responses:

'200':

description: The subscription information as request in the request URI query parameter(s) are returned.

content:

application/json:

schema:

type: array

items:

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

minItems: 0

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/influenceData/subs-to-notify/{subscriptionId}:

get:

summary: Get an existing individual Influence Data Subscription resource

operationId: ReadIndividualInfluenceDataSubscription

tags:

- Individual Influence Data Subscription (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

parameters:

- name: subscriptionId

in: path

description: String identifying a subscription to the Individual Influence Data Subscription

required: true

schema:

type: string

responses:

'200':

description: The subscription information is returned.

content:

application/json:

schema:

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

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

put:

summary: Modify an existing individual Influence Data Subscription resource

operationId: ReplaceIndividualInfluenceDataSubscription

tags:

- Individual Influence Data Subscription (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

requestBody:

required: true

content:

application/json:

schema:

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

parameters:

- name: subscriptionId

in: path

description: String identifying a subscription to the Individual Influence Data Subscription

required: true

schema:

type: string

responses:

'200':

description: The subscription was updated successfully.

content:

application/json:

schema:

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

'204':

description: No content

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

delete:

summary: Delete an individual Influence Data Subscription resource

operationId: DeleteIndividualInfluenceDataSubscription

tags:

- Individual Influence Data Subscription (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

parameters:

- name: subscriptionId

in: path

description: String identifying a subscription to the Individual Influence Data Subscription

required: true

schema:

type: string

responses:

'204':

description: The subscription was terminated successfully.

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/bdtPolicyData:

get:

summary: Retrieve applied BDT Policy Data

operationId: ReadBdtPolicyData

tags:

- BdtPolicy Data (Store)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

parameters:

- name: bdt-policy-ids

in: query

description: Each element identifies a service.

required: false

schema:

type: array

items:

type: string

minItems: 1

- name: internal-group-ids

in: query

description: Each element identifies a group of users.

required: false

schema:

type: array

items:

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

minItems: 1

- name: supis

in: query

description: Each element identifies the user.

required: false

schema:

type: array

items:

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

minItems: 1

responses:

'200':

description: The applied BDT policy Data stored in the UDR are returned.

content:

application/json:

schema:

type: array

items:

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

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/bdtPolicyData/{bdtPolicyId}:

put:

summary: Create an individual applied BDT Policy Data resource

operationId: CreateIndividualAppliedBdtPolicyData

tags:

- Individual Applied BDT Policy Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

requestBody:

required: true

content:

application/json:

schema:

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

parameters:

- name: bdtPolicyId

in: path

description: The Identifier of an Individual Applied BDT Policy Data to be created or updated. It shall apply the format of Data type string.

required: true

schema:

type: string

responses:

'201':

description: The creation of an Individual Applied BDT Policy Data resource is confirmed and a representation of that resource is returned.

content:

application/json:

schema:

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

headers:

Location:

description: 'Contains the URI of the newly created resource, according to the structure: {apiRoot}/nudr-dr/<apiVersion>/application-data/bdtPolicyData/{bdtPolicyId}'

required: true

schema:

type: string

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

patch:

summary: Modify part of the properties of an individual Applied BDT Policy Data resource

operationId: UpdateIndividualAppliedBdtPolicyData

tags:

- Individual Applied BDT Policy Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

requestBody:

required: true

content:

application/merge-patch+json:

schema:

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

parameters:

- name: bdtPolicyId

in: path

description: The Identifier of an Individual Applied BDT Policy Data to be updated. It shall apply the format of Data type string.

required: true

schema:

type: string

responses:

'200':

description: The update of an Individual Applied BDT Policy Data resource is confirmed and a response body containing Applied BDT Policy Data shall be returned.

content:

application/json:

schema:

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

'204':

description: No content

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

delete:

summary: Delete an individual Applied BDT Policy Data resource

operationId: DeleteIndividualAppliedBdtPolicyData

tags:

- Individual Applied BDT Policy Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

parameters:

- name: bdtPolicyId

in: path

description: The Identifier of an Individual Applied BDT Policy Data to be updated. It shall apply the format of Data type string.

required: true

schema:

type: string

responses:

'204':

description: The Individual Applied BDT Policy Data was deleted successfully.

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/iptvConfigData:

get:

summary: Retrieve IPTV configuration Data

operationId: ReadIPTVCongifurationData

tags:

- IPTV Configuration Data (Store)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

parameters:

- name: config-ids

in: query

description: Each element identifies a configuration.

required: false

schema:

type: array

items:

type: string

minItems: 1

- name: dnns

in: query

description: Each element identifies a DNN.

required: false

schema:

type: array

items:

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

minItems: 1

- name: snssais

in: query

description: Each element identifies a slice.

required: false

content:

application/json:

schema:

type: array

items:

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

minItems: 1

- name: supis

in: query

description: Each element identifies the user.

required: false

schema:

type: array

items:

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

minItems: 1

- name: inter-group-ids

in: query

description: Each element identifies a group of users.

required: false

schema:

type: array

items:

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

minItems: 1

responses:

'200':

description: The IPTV configuration data stored in the UDR are returned.

content:

application/json:

schema:

type: array

items:

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

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/iptvConfigData/{configurationId}:

put:

summary: Create or update an individual IPTV configuration resource

operationId: CreateOrReplaceIndividualIPTVConfigurationData

tags:

- Individual IPTV Configuration Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

requestBody:

required: true

content:

application/json:

schema:

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

parameters:

- name: configurationId

in: path

description: The Identifier of an Individual IPTV Configuration Data to be created or updated. It shall apply the format of Data type string.

required: true

schema:

type: string

responses:

'201':

description: The creation of an Individual IPTV Configuration Data resource is confirmed and a representation of that resource is returned.

content:

application/json:

schema:

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

headers:

Location:

description: 'Contains the URI of the newly created resource'

required: true

schema:

type: string

'200':

description: The update of an Individual IPTV configuration resource.

content:

application/json:

schema:

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

'204':

description: No content

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

patch:

summary: Partial update an individual IPTV configuration resource

operationId: PartialReplaceIndividualIPTVConfigurationData

tags:

- Individual IPTV Configuration Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

requestBody:

required: true

content:

application/merge-patch+json:

schema:

$ref: 'TS29522\_IPTVConfiguration.yaml#/components/schemas/IptvConfigDataPatch'

parameters:

- name: configurationId

in: path

description: The Identifier of an Individual IPTV Configuration Data to be updated. It shall apply the format of Data type string.

required: true

schema:

type: string

responses:

'200':

description: The update of an Individual IPTV configuration resource.

content:

application/json:

schema:

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

'204':

description: No content

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

delete:

summary: Delete an individual IPTV configuration resource

operationId: DeleteIndividualIPTVConfigurationData

tags:

- Individual IPTV Configuration Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

parameters:

- name: configurationId

in: path

description: The Identifier of an Individual IPTV Configuration to be updated. It shall apply the format of Data type string.

required: true

schema:

type: string

responses:

'204':

description: The resource was deleted successfully.

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/serviceParamData:

get:

summary: Retrieve Service Parameter Data

operationId: ReadServiceParameterData

tags:

- Service Parameter Data (Store)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

parameters:

- name: service-param-ids

in: query

description: Each element identifies a service.

required: false

schema:

type: array

items:

type: string

minItems: 1

- name: dnns

in: query

description: Each element identifies a DNN.

required: false

schema:

type: array

items:

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

minItems: 1

- name: snssais

in: query

description: Each element identifies a slice.

required: false

content:

application/json:

schema:

type: array

items:

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

minItems: 1

- name: internal-group-ids

in: query

description: Each element identifies a group of users.

required: false

schema:

type: array

items:

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

minItems: 1

- name: supis

in: query

description: Each element identifies the user.

required: false

schema:

type: array

items:

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

minItems: 1

- name: ue-ipv4s

in: query

description: Each element identifies the user.

required: false

schema:

type: array

items:

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

minItems: 1

- name: ue-ipv6s

in: query

description: Each element identifies the user.

required: false

schema:

type: array

items:

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

minItems: 1

- name: ue-macs

in: query

description: Each element identifies the user.

required: false

schema:

type: array

items:

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

minItems: 1

- name: supp-feat

in: query

description: Supported Features

required: false

schema:

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

responses:

'200':

description: The Service Parameter Data stored in the UDR are returned.

content:

application/json:

schema:

type: array

items:

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

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/serviceParamData/{serviceParamId}:

put:

summary: Create or update an individual Service Parameter Data resource

operationId: CreateOrReplaceServiceParameterData

tags:

- Individual Service Parameter Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

requestBody:

required: true

content:

application/json:

schema:

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

parameters:

- name: serviceParamId

in: path

description: The Identifier of an Individual Service Parameter Data to be created or updated. It shall apply the format of Data type string.

required: true

schema:

type: string

responses:

'201':

description: The creation of an Individual Service Parameter Data resource is confirmed and a representation of that resource is returned.

content:

application/json:

schema:

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

headers:

Location:

description: 'Contains the URI of the newly created resource, according to the structure: {apiRoot}/nudr-dr/<apiVersion>/application-data/serviceParamData/{serviceParamId}'

required: true

schema:

type: string

'200':

description: The update of an Individual Service Parameter Data resource is confirmed and a response body containing Service Parameter Data shall be returned.

content:

application/json:

schema:

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

'204':

description: No content

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

patch:

summary: Modify part of the properties of an individual Service Parameter Data resource

operationId: UpdateIndividualServiceParameterData

tags:

- Individual Service Parameter Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

requestBody:

required: true

content:

application/merge-patch+json:

schema:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ServiceParameterDataPatch'

parameters:

- name: serviceParamId

in: path

description: The Identifier of an Individual Service Parameter Data to be updated. It shall apply the format of Data type string.

required: true

schema:

type: string

responses:

'200':

description: The update of an Individual Service Parameter Data resource is confirmed and a response body containing Service Parameter Data shall be returned.

content:

application/json:

schema:

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

'204':

description: No content

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

delete:

summary: Delete an individual Service Parameter Data resource

operationId: DeleteIndividualServiceParameterData

tags:

- Individual Service Parameter Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

parameters:

- name: serviceParamId

in: path

description: The Identifier of an Individual Service Parameter Data to be updated. It shall apply the format of Data type string.

required: true

schema:

type: string

responses:

'204':

description: The Individual Service Parameter Data was deleted successfully.

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/am-influence-data:

get:

summary: Retrieve AM Influence Data

operationId: ReadAmInfluenceData

tags:

- AM Influence Data (Store)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

parameters:

- name: am-Influence-Ids

in: query

description: Each element identifies a service.

required: false

schema:

type: array

items:

type: string

minItems: 1

- name: dnns

in: query

description: Each element identifies a DNN.

required: false

schema:

type: array

items:

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

minItems: 1

- name: snssais

in: query

description: Each element identifies a slice.

required: false

content:

application/json:

schema:

type: array

items:

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

minItems: 1

- name: internal-Group-Ids

in: query

description: Each element identifies a group of users.

required: false

schema:

type: array

items:

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

minItems: 1

- name: supis

in: query

description: Each element identifies the user.

required: false

schema:

type: array

items:

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

minItems: 1

- name: supp-feat

in: query

required: false

description: Supported Features

schema:

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

responses:

'200':

description: The AM Influence Data stored in the UDR are returned.

content:

application/json:

schema:

type: array

items:

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

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/am-influence-data/{amInfluenceId}:

put:

summary: Create or update an individual AM Influence Data resource

operationId: CreateOrReplaceIndividualAmInfluenceData

tags:

- Individual AM Influence Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

requestBody:

required: true

content:

application/json:

schema:

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

parameters:

- name: amInfluenceId

in: path

description: The Identifier of an Individual AM Influence Data to be created or updated. It shall apply the format of Data type string.

required: true

schema:

type: string

responses:

'201':

description: The creation of an Individual AM Influence Data resource is confirmed and a representation of that resource is returned.

content:

application/json:

schema:

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

headers:

Location:

description: 'Contains the URI of the newly created resource, according to the structure: {apiRoot}/nudr-dr/<apiVersion>/application-data/am-influence-data/{amInfluenceId}'

required: true

schema:

type: string

'200':

description: The update of an Individual AM Influence Data resource is confirmed and a response body containing AM Influence Data shall be returned.

content:

application/json:

schema:

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

'204':

description: No content

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

patch:

summary: Modify part of the properties of an individual AM Influence Data resource

operationId: UpdateIndividualAmInfluenceData

tags:

- Individual AM Influence Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

requestBody:

required: true

content:

application/merge-patch+json:

schema:

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

parameters:

- name: amInfluenceId

in: path

description: The Identifier of an Individual AM Influence Data to be updated. It shall apply the format of Data type string.

required: true

schema:

type: string

responses:

'200':

description: The update of an Individual AM Influence Data resource is confirmed and a response body containing AM Influence Data shall be returned.

content:

application/json:

schema:

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

'204':

description: No content

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

delete:

summary: Delete an individual AM Influence Data resource

operationId: DeleteIndividualAmInfluenceData

tags:

- Individual AM Influence Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

parameters:

- name: amInfluenceId

in: path

description: The Identifier of an Individual AM Influence Data to be updated. It shall apply the format of Data type string.

required: true

schema:

type: string

responses:

'204':

description: The Individual AM Influence Data was deleted successfully.

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/subs-to-notify:

post:

summary: Create a subscription to receive notification of application data changes

operationId: CreateIndividualApplicationDataSubscription

tags:

- ApplicationDataSubscriptions (Collection)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'201':

description: Upon success, a response body containing a representation of each Individual subscription resource shall be returned.

content:

application/json:

schema:

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

headers:

Location:

description: 'Contains the URI of the newly created resource'

required: true

schema:

type: string

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

callbacks:

applicationDataChangeNotif:

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

post:

requestBody:

required: true

content:

application/json:

schema:

type: array

items:

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

minItems: 1

responses:

'204':

description: No Content, Notification was successful

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

get:

summary: Read Application Data change Subscriptions

operationId: ReadApplicationDataChangeSubscriptions

tags:

- ApplicationDataSubscriptions (Collection)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

parameters:

- name: data-filter

in: query

description: The data filter for the query.

required: false

schema:

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

responses:

'200':

description: The subscription information as request in the request URI query parameter(s) are returned.

content:

application/json:

schema:

type: array

items:

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

minItems: 0

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/subs-to-notify/{subsId}:

parameters:

- name: subsId

in: path

required: true

schema:

type: string

put:

summary: Modify a subscription to receive notification of application data changes

operationId: ReplaceIndividualApplicationDataSubscription

tags:

- IndividualApplicationDataSubscription (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'200':

description: The individual subscription resource was updated successfully.

content:

application/json:

schema:

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

'204':

description: The individual subscription resource was updated successfully and no additional content is to be sent in the response message.

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

delete:

summary: Delete the individual Application Data subscription

operationId: DeleteIndividualApplicationDataSubscription

tags:

- IndividualApplicationDataSubscription (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

responses:

'204':

description: Upon success, an empty response body shall be returned.

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

get:

summary: Get an existing individual Application Data Subscription resource

operationId: ReadIndividualApplicationDataSubscription

tags:

- IndividualApplicationDataSubscription (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

parameters:

- name: subsId

in: path

description: String identifying a subscription to the Individual Application Data Subscription

required: true

schema:

type: string

responses:

'200':

description: The subscription information is returned.

content:

application/json:

schema:

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

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

components:

schemas:

TrafficInfluData:

description: Represents the Traffic Influence Data.

type: object

properties:

upPathChgNotifCorreId:

type: string

description: Contains the Notification Correlation Id allocated by the NEF for the UP path change notification.

appReloInd:

type: boolean

description: Identifies whether an application can be relocated once a location of the application has been selected.

afAppId:

type: string

description: Identifies an application.

dnn:

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

ethTrafficFilters:

type: array

items:

$ref: 'TS29514\_Npcf\_PolicyAuthorization.yaml#/components/schemas/EthFlowDescription'

minItems: 1

description: Identifies Ethernet packet filters. Either "trafficFilters" or "ethTrafficFilters" shall be included if applicable.

snssai:

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

interGroupId:

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

supi:

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

trafficFilters:

type: array

items:

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

minItems: 1

description: Identifies IP packet filters. Either "trafficFilters" or "ethTrafficFilters" shall be included if applicable.

trafficRoutes:

type: array

items:

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

minItems: 1

description: Identifies the N6 traffic routing requirement.

traffCorreInd:

type: boolean

validStartTime:

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

validEndTime:

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

tempValidities:

type: array

items:

$ref: 'TS29514\_Npcf\_PolicyAuthorization.yaml#/components/schemas/TemporalValidity'

minItems: 1

description: Identifies the temporal validities for the N6 traffic routing requirement.

nwAreaInfo:

$ref: 'TS29554\_Npcf\_BDTPolicyControl.yaml#/components/schemas/NetworkAreaInfo'

upPathChgNotifUri:

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

headers:

type: array

items:

type: string

minItems: 1

subscribedEvents:

type: array

items:

$ref: 'TS29522\_TrafficInfluence.yaml#/components/schemas/SubscribedEvent'

minItems: 1

dnaiChgType:

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

afAckInd:

type: boolean

addrPreserInd:

type: boolean

upLatReq:

$ref: 'TS29512\_Npcf\_SMPolicyControl.yaml#/components/schemas/UserPlaneLatencyRequirements'

supportedFeatures:

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

resUri:

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

allOf:

- oneOf:

- required: [afAppId]

- required: [trafficFilters]

- required: [ethTrafficFilters]

- oneOf:

- required: [supi]

- required: [interGroupId]

TrafficInfluDataPatch:

description: Represents the Traffic Influence Data to be updated in the UDR.

type: object

properties:

upPathChgNotifCorreId:

type: string

description: Contains the Notification Correlation Id allocated by the NEF for the UP path change notification.

appReloInd:

type: boolean

description: Identifies whether an application can be relocated once a location of the application has been selected.

dnn:

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

ethTrafficFilters:

type: array

items:

$ref: 'TS29514\_Npcf\_PolicyAuthorization.yaml#/components/schemas/EthFlowDescription'

minItems: 1

description: Identifies Ethernet packet filters. Either "trafficFilters" or "ethTrafficFilters" shall be included if applicable.

snssai:

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

internalGroupId:

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

supi:

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

trafficFilters:

type: array

items:

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

minItems: 1

description: Identifies IP packet filters. Either "trafficFilters" or "ethTrafficFilters" shall be included if applicable.

trafficRoutes:

type: array

items:

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

minItems: 1

description: Identifies the N6 traffic routing requirement.

traffCorreInd:

type: boolean

validStartTime:

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

validEndTime:

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

tempValidities:

type: array

items:

$ref: 'TS29514\_Npcf\_PolicyAuthorization.yaml#/components/schemas/TemporalValidity'

minItems: 1

nullable: true

description: Identifies the temporal validities for the N6 traffic routing requirement.

nwAreaInfo:

$ref: 'TS29554\_Npcf\_BDTPolicyControl.yaml#/components/schemas/NetworkAreaInfo'

upPathChgNotifUri:

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

headers:

type: array

items:

type: string

minItems: 1

afAckInd:

type: boolean

addrPreserInd:

type: boolean

upLatReq:

$ref: 'TS29512\_Npcf\_SMPolicyControl.yaml#/components/schemas/UserPlaneLatencyRequirements'

TrafficInfluSub:

description: Represents traffic influence subscription data.

type: object

properties:

dnns:

type: array

items:

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

minItems: 1

description: Each element identifies a DNN.

snssais:

type: array

items:

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

minItems: 1

description: Each element identifies a slice.

internalGroupIds:

type: array

items:

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

minItems: 1

description: Each element identifies a group of users.

supis:

type: array

items:

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

minItems: 1

description: Each element identifies the user.

notificationUri:

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

expiry:

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

supportedFeatures:

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

required:

- notificationUri

oneOf:

- required: [dnns]

- required: [snssais]

- required: [internalGroupIds]

- required: [supis]

TrafficInfluDataNotif:

description: Represents traffic influence data for notification.

type: object

properties:

resUri:

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

trafficInfluData:

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

required:

- resUri

PfdDataForAppExt:

description: Represents the PFDs and related data for the application.

allOf:

- $ref: 'TS29551\_Nnef\_PFDmanagement.yaml#/components/schemas/PfdDataForApp'

- type: object

properties:

suppFeat:

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

BdtPolicyData:

description: Represents applied BDT policy data.

type: object

properties:

interGroupId:

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

supi:

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

bdtRefId:

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

dnn:

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

snssai:

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

resUri:

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

required:

- bdtRefId

BdtPolicyDataPatch:

description: Represents modification instructions to be performed on the applied BDT policy data.

type: object

properties:

bdtRefId:

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

required:

- bdtRefId

IptvConfigData:

description: Represents IPTV configuration data information.

type: object

properties:

supi:

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

interGroupId:

description: Identifies a group of users.

dnn:

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

snssai:

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

afAppId:

type: string

multiAccCtrls:

type: object

additionalProperties:

$ref: 'TS29522\_IPTVConfiguration.yaml#/components/schemas/MulticastAccessControl'

minProperties: 1

description: Identifies a list of multicast address access control information. Any string value can be used as a key of the map.

suppFeat:

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

resUri:

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

required:

- afAppId

- multiAccCtrls

oneOf:

- required: [interGroupId]

- required: [supi]

ServiceParameterData:

description: Represents the service parameter data.

type: object

properties:

appId:

type: string

description: Identifies an application.

dnn:

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

snssai:

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

interGroupId:

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

supi:

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

ueIpv4:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/Ipv4Addr'

ueIpv6:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/Ipv6Addr'

ueMac:

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

anyUeInd:

type: boolean

paramOverPc5:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParameterOverPc5'

paramOverUu:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParameterOverUu'

paramForProSeDd:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParamForProSeDd'

paramForProSeDc:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParamForProSeDc'

paramForProSeU2N:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParamForProSeU2N'

paramForProSeUsageRep:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParamForProSeUsageRep'

paramForProSeServPathSel:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParamForProSeServPathSel'

urspInfluence:

type: array

items:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/UrspRuleRequest'

minItems: 1

description: Contains the service parameter used to influence the URSP.

suppFeat:

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

resUri:

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

AmInfluData:

description: Represents the AM Influence Data.

type: object

properties:

appId:

type: string

description: Identifies an application.

dnn:

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

ethTrafficFilters:

type: array

items:

$ref: 'TS29514\_Npcf\_PolicyAuthorization.yaml#/components/schemas/EthFlowDescription'

minItems: 1

description: Identifies Ethernet packet filters. Either "trafficFilters" or "ethTrafficFilters" shall be included if applicable.

snssai:

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

interGroupId:

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

supi:

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

anyUeInd:

type: boolean

description: Indicates whether the data is applicable for any UE.

trafficFilters:

type: array

items:

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

minItems: 1

description: Identifies IP packet filters. Either "trafficFilters" or "ethTrafficFilters" shall be included if applicable.

startTime:

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

endTime:

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

evSubs:

type: array

items:

type: object

# The actual type definition will be included in TS 29.522

# $ref: 'TS29522\_AMInfluence.yaml#/components/schemas/AmInfluEvent'

minItems: 1

thruReq:

type: boolean

description: Indicates whether high throughput is desired for the indicated UE traffic.

covReq:

type: string

description: Indicates the service area coverage requirement.

supportedFeatures:

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

resUri:

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

allOf:

- anyOf:

- required: [thruReq]

- required: [covReq]

- oneOf:

- required: [supi]

- required: [interGroupId]

- required: [anyUeInd]

AmInfluDataPatch:

description: Represents the AM Influence Data that can be updated.

type: object

properties:

appId:

type: string

description: Identifies an application.

dnn:

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

ethTrafficFilters:

type: array

items:

$ref: 'TS29514\_Npcf\_PolicyAuthorization.yaml#/components/schemas/EthFlowDescription'

minItems: 1

description: Identifies Ethernet packet filters. Either "trafficFilters" or "ethTrafficFilters" shall be included if applicable.

snssai:

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

interGroupId:

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

supi:

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

anyUeInd:

type: boolean

description: Indicates whether the data is applicable for any UE.

trafficFilters:

type: array

items:

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

minItems: 1

description: Identifies IP packet filters. Either "trafficFilters" or "ethTrafficFilters" shall be included if applicable.

startTime:

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

endTime:

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

evSubs:

type: array

items:

type: object

# The actual type definition will be included in TS 29.522

# $ref: 'TS29522\_AMInfluence.yaml#/components/schemas/AmInfluEvent'

minItems: 1

thruReq:

type: boolean

description: Indicates whether high throughput is desired for the indicated UE traffic.

covReq:

type: string

description: Indicates the service area coverage requirement.

oneOf:

- required: [supi]

- required: [interGroupId]

- required: [anyUeInd]

ApplicationDataSubs:

description: Identifies a subscription to application data change notification.

type: object

properties:

notificationUri:

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

dataFilters:

type: array

items:

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

minItems: 1

expiry:

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

supportedFeatures:

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

required:

- notificationUri

ApplicationDataChangeNotif:

description: Contains changed application data for which notification was requested.

type: object

properties:

iptvConfigData:

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

pfdData:

$ref: 'TS29551\_Nnef\_PFDmanagement.yaml#/components/schemas/PfdChangeNotification'

bdtPolicyData:

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

resUri:

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

serParamData:

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

amInfluData:

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

required:

- resUri

DataFilter:

description: Identifies a data filter.

type: object

properties:

dataInd:

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

dnns:

type: array

items:

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

minItems: 1

snssais:

type: array

items:

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

minItems: 1

internalGroupIds:

type: array

items:

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

minItems: 1

supis:

type: array

items:

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

minItems: 1

appIds:

type: array

items:

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

minItems: 1

ueIpv4s:

type: array

items:

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

minItems: 1

ueIpv6s:

type: array

items:

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

minItems: 1

ueMacs:

type: array

items:

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

minItems: 1

required:

- dataInd

DataInd:

anyOf:

- type: string

enum:

- PFD

- IPTV

- BDT

- SVC\_PARAM

- AM

- 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

- PFD

- IPTV

- BDT

- SVC\_PARAM

- AM

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