**3GPP TSG CT WG3 Meeting #135 *C3-243563***

**Hyderabad, IN, 27 - 31 May, 2024 (Revision of C3-243304)**

|  |
| --- |
| *CR-Form-v12.3* |
| **CHANGE REQUEST** |
|  |
|  | **29.519** | **CR** | **0513** | **rev** | **2** | **Current version:** | **18.5.0** |  |
|  |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* |
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|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

|  |
| --- |
|  |
| ***Title:***  | Updates to GPSI and Application Layer ID mapping information |
|  |  |
| ***Source to WG:*** | Ericsson |
| ***Source to TSG:*** | CT3 |
|  |  |
| ***Work item code:*** | Ranging\_SL |  | ***Date:*** | 2024-05-16 |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***Release:*** |  Rel-18 |
|  | *Use one of the following categories:****F*** *(correction)****A*** *(mirror corresponding to a change in an earlier release)****B*** *(addition of feature),* ***C*** *(functional modification of feature)****D*** *(editorial modification)*Detailed explanations of the above categories 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:*** | TS 23.586 clause 4.3.5 updated with NOTE: Mapping between Application Layer ID and GPSI can be pre-provisioned by operator in application data, upon the approved CR 0066, needs to be aligned in this specification.The Ranging/Sidelink Positioning-enabled UE Id mapping information between the Application Layer Id and GPSI is not suitable to be designed within the ServiceParameterData and ServiceParameterDataPatch data types, which is mainly designed for Service Parameter provisioning e2e utilized by PCF and forwarding to UE align with TS 23.502 clause 5.2.6.11.1 General definition that this service is for allowing external party to provision of service specific parameters which can be used for the UE in 5GS, while the mapping information between the Application Layer Id and GPSI is not to be used by UE.Hence not to bring future impacts to the Nnef\_ServiceParameter API and following UDR, PCF and UE procedure, needs to update the resource structure of application data in UDR with a specific ranging/sidelink UE mapping resource to avoid impacts to serviceParamData resource and not to limit future service parameter extension and handling in UDR, PCF and UE.SA2 has the related LS reply for LS out S2-2405863 (C3-242616) and TS 23.502 CR 4812 updated the UE ID mapping information as a separate resource in UDR application data, not mixed in Service Parameter information application data. |
|  |  |
| ***Summary of change:*** | Adding Ranging/Sidelink UE mapping resource definition in application data of UDR, update the data structure and remove the impacts to the ServiceParameterData and ServiceParameterDataPatch data type.Update the OpenAPI file accordingly.Adding NOTE: Ranging/Sidelink UE Id Mapping information between Application Layer ID and GPSI can also be pre-provisioned by operator in the application data of UDR. |
|  |  |
| ***Consequences if not approved:*** | Not completely and not effectively implement stage 2 requirement on Ranging/Sidelink UE GPSI and Application Layer ID mapping information in UDR, and not resolve the impacts and future limitation to the ServiceParamData resource and related NF impacts. |
|  |  |
| ***Clauses affected:*** | 6.2.2, 6.2.26(new), 6.2.27(new), 6.4.1, 6.4.2.15, 6.4.2.15A, A.3 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** | **X** |  |  Other core specifications  | TS 23.502 CR 4812  |
| ***affected:*** |  | **X** |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** | This CR introduces backwards compatible feature in the OpenAPI file of Nudr\_DataRepository API application data.Needs TS 29.522 UEId API to be implemented for the reused data type. |
|  |  |
| ***This CR's revision history:*** | **Rev 1 provides additional update:**Adding the related TS 23.502 CR 4812 in cover page and updated error handling.**Rev 2 provides additional update:**Updated upon the service operation naming changed in the agreed TS 23.502 CR 4812 and removed application errors for future discussion. |

**Additional discussion(if needed):**

**Proposed changes:**

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

### 6.2.2 Resource Structure

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

Figure 6.2.2-1 depicts the resource URIs structure for the Nudr\_DataRepository API for application data



Figure 6.2.2-1: Resource URI structure of the Nudr\_DataRepository API for application data

Table 6.2.2-1 provides an overview of the resources and applicable HTTP methods.

Table 6.2.2-1: Resources and methods overview

|  |  |  |  |
| --- | --- | --- | --- |
| Resource name | Resource URI | HTTP method or custom operation | Description |
| PFD Data | /application-data/pfds | GET | Retrieve PFDs for application identifier(s) identified by query parameter(s).Retrieve PFDs for all application identifier(s) if no query parameter is included in the Request URI. |
| Individual PFD Data | /application-data/pfds/{appId} | GET | Retrieve the corresponding PFDs of the specified application identifier. |
| DELETE | Delete the corresponding PFDs of the specified application identifier. |
| PUT | Create or update the corresponding PFDs for the specified application identifier. |
| Influence Data | /application-data/influenceData(NOTE) | GET | Retrieve the Session Influence Data of given services, S-NSSAIs and DNNs or Internal Group Identifier(s) or Subscriber Category(ies) or SUPIs. |
| Individual Influence Data | /application-data/influenceData/{influenceId}(NOTE) | PUT | Create an individual Influence Data resource identified by {influenceId}, or modify all of the properties of an individual Influence Data resource identified by {influenceId}. |
| PATCH | Modify part of the properties of an individual Influence Data resource identified by {influenceId}. |
| DELETE | Delete an individual Influence Data resource identified by {influenceId}. |
| Influence Data Subscription | /application-data/influenceData/subs-to-notify(NOTE) | POST | Create a new Individual Influence Data Subscription resource. |
| GET | Read subscriptions for a given S-NSSAI and DNN or Internal Group Identifier(s) or Subscriber Category(ies) or SUPI. |
| Individual Influence Data Subscription | /application-data/influenceData/subs-to-notify/{subscriptionId}(NOTE) | GET | Get an existing individual Influence Data Subscription resource identified by {subscriptionId}. |
| PUT | Modify an existing individual Influence Data Subscription resource identified by {subscriptionId}. |
| DELETE | Delete an individual Influence Data Subscription resource identified by {subscriptionId}. |
| Applied BDT Policy Data | /application-data/bdtPolicyData(NOTE) | GET | Retrieve the applied BDT policy data. |
| Individual Applied BDT Policy Data | /application-data/bdtPolicyData/{bdtPolicyId}(NOTE) | PUT | Create an individual applied BDT Policy Data resource identified by {bdtPolicyId}. |
| PATCH | Modify BDT Reference Id of an individual applied BDT Policy Data resource identified by {bdtPolicyId}. |
| DELETE | Delete an individual applied BDT Policy Data resource identified by {bdtPolicyId}. |
| IPTV Configurations | /application-data/iptvConfigData(NOTE) | GET | Retrieve IPTV configurations for configuration identifier(s), given S-NSSAI(s) and DNN(s), or SUPIs or Internal Group Identifiers |
| Individual IPTV Configuation | /application-data/iptvConfigData/{configurationId}(NOTE) | PUT | Create an Individual IPTV Configuration resource identified by {configurationId}, or modify all the properties of an Individual IPTV Configuration resource identified by {configurationId}. |
| PATCH | Modify some properties of an Individual IPTV Configuration resource identified by {configurationId}. |
| DELETE | Delete an Individual IPTV Configuration resource identified by {configurationId} |
| Service Parameter Data | /application-data/serviceParamData(NOTE) | GET | Retrieve the Service Parameter Data of given services, S-NSSAIs and DNNs or Internal Group Identifiers or SUPIs. |
| Individual Service Parameter Data | /application-data/serviceParamData/{serviceParamId}(NOTE) | PUT | Create an individual Service Parameter Data resource identified by {serviceParamId}, or modify all of the properties of an individual Service Parameter Data resource identified by {serviceParamId}. |
| PATCH | Modify part of the properties of an individual Service Parameter Data resource identified by {serviceParamId}. |
| DELETE | Delete an individual Service Parameter Data resource identified by {serviceParamId}. |
| AM Influence Data | /application-data/am-influence-data | GET | Retrieve the AM Influence Data of given S-NSSAIs and DNNs and/or Internal Group Identifiers or SUPIs or for LBO roaming scenarios, any inbound roaming UEs identified by their home PLMN ID(s). |
| Individual AM Influence Data | /application-data/am-influence-data/{amInfluenceId} | PUT | Create an individual AM Influence Data resource identified by {amInfluenceId}, or modify all of the properties of an individual AM Influence Data resource identified by {amInfluenceId}. |
| PATCH | Modify part of the properties of an individual AM Influence Data resource identified by {amInfluenceId}. |
| DELETE | Delete an individual AM Influence Data resource identified by {amInfluenceId}. |
| ApplicationDataSubscriptions | /application-data/subs-to-notify | POST | Create a subscription to receive notification of application data changes. |
| GET | Read all the subscriptions, or subscriptions for given S-NSSAI and DNN or Internal Group Identifier or SUPI. |
| IndividualApplicationDataSubscription | /application-data/subs-to-notify/{subsId} | PUT | Modify a subscription to receive notification of application data changes identified by {subsId}. |
| DELETE | Delete a subscription identified by {subsId}. |
| GET | Read an existing individual Subscription resource identified by {subsId}. |
| EAS Deployment Information Data | /application-data/eas-deploy-data | GET | Retrieve the EAS Deployment Information Data, given DNN(s), S-NSSAI(s), Application ID or Internal Group Identifiers. |
| Individual EAS Deployment Information Data | /application-data/eas-deploy-data/{easDeployInfoId} | GET | Read an existing individual EAS Deployment Data identified by {easDeployInfoId}. |
| PUT | Create an individual EAS deployment information Data resource identified by {easDeployInfold} or Update an individual EAS Deployment Data resource identified by {easDeployInfoId}. |
| DELETE | Delete an individual EAS Deployment Data resource identified by {easDeployInfoId}. |
| AF Requested QoS Data Sets | /application-data/af-qos-data-sets | GET | Retrieve one or several existing AF Requested QoS Data Set(s). |
| Individual AF Requested QoS Data Set | /application-data/af-qos-datasets/{afReqQosId} | PUT | Create an Individual AF Requested QoS Data Set or update an existing Individual AF Requested QoS Data Set. |
| PATCH | Modify an existing Individual AF Requested QoS Data Set. |
| DELETE | Delete an existing Individual AF Requested QoS Data Set. |
| Individual DNAI EAS Mapping | /application-data/dnai-eas-mappings/{dnai} | GET | Retrieve the EAS address information for a DNAI. |
| ECS Address Roaming Data | /application-data/ecs-address-roaming | GET | Retrieve all existing ECS Address Configuration Information for roaming UEs. |
| Individual ECS Address Roaming Data | /application-data/ecs-address-roaming/{ecsAddrInfoId} | GET | Retrieve an existing ECS Address Configuration Information entry for roaming UEs. |
| PUT | Create or Update an ECS Address Configuration Information entry for roaming UEs. |
| DELETE | Delete an existing ECS Address Configuration Information entry for roaming UEs. |
| UE ID Mappings | /application-data/ueid-mappings | GET | Retrieve alone or several existing UE ID Mapping(s). |
| Individual UE ID Mapping | /application-data/ueid-mappings/{ueMappingId} | GET | Retrieve an existing "Individual UE ID Mapping" resource. |
| PUT | Create or Update a UE ID Mapping. |
| DELETE | Delete an existing "Individual UE ID Mapping" resource. |
| NOTE: The path segment does not follow the related naming convention defined in 3GPP TS 29.501 [5]. The path segment is kept though as defined in the current specification for backward compatibility considerations. |

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

### 6.2.26 Resource: UE ID Mappings

#### 6.2.26.1 Description

This resource represents all the active UE ID Mappings at the UDR.

#### 6.2.26.2 Resource definition

Resource URI: **{apiRoot}/nudr-dr/<apiVersion>/application-data/ueid-mappings**

This resource shall support the resource URI variables defined in table 6.2.26.2-1.

Table 6.2.26.2-1: Resource URI variables for this resource

|  |  |  |
| --- | --- | --- |
| Name | Data type | Definition |
| apiRoot | string | See 3GPP TS 29.504 [6] clause 6.1.1. |

#### 6.2.26.3 Resource Standard Methods

##### 6.2.26.3.1 GET

This method shall support the URI query parameters specified in table 6.2.26.3.1-1.

Table 6.2.26.3.1-1: URI query parameters supported by the GET method on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| app-layer-ids | array(ApplicationlayerId) | O | 1..N | Contains the requested Application Layer ID(s).(NOTE) |
| gpsis | array(Gpsi) | O | 1..N | Contains the requested GPSI(s).(NOTE) |
| supp-feat | SupportedFeatures | O | 0..1 | Contains the list of supported features. |
| NOTE: These query parameters are mutually exclusive. Either one of them may be present. |

This method shall support the request data structures specified in table 6.2.26.3.1-2 and the response data structures and response codes specified in table 6.2.26.3.1-3.

Table 6.2.26.3.1-2: Data structures supported by the GET Request Body on this resource

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

Table 6.2.26.3.1-3: Data structures supported by the GET Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Responsecodes | Description |
| array(UeIdMappingInfo) | M | 0..N | 200 OK | Successful case. The requested UE ID mapping information is returned. |
| NOTE: The mandatory HTTP error status codes for the HTTP GET method listed in table 5.2.7.1-1 of 3GPP TS 29.500 [4] shall also apply. |

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

### 6.2.27 Resource: Individual UE ID Mapping

#### 6.2.27.1 Description

This resource represents a UE ID Mapping at the UDR.

#### 6.2.27.2 Resource definition

Resource URI: **{apiRoot}/nudr-dr/<apiVersion>/application-data/ueid-mappings/{ueMappingId}**

This resource shall support the resource URI variables defined in table 6.2.27.2-1.

Table 6.2.27.2-1: Resource URI variables for this resource

|  |  |  |
| --- | --- | --- |
| Name | Data type | Definition |
| apiRoot | string | See 3GPP TS 29.504 [6] clause 6.1.1. |
| ueMappingId | string | Identifies an "Individual UE ID Mapping" resource. |

#### 6.2.27.3 Resource Standard Methods

##### 6.2.27.3.1 GET

This method shall support the URI query parameters specified in table 6.2.27.3.1-1.

Table 6.2.27.3.1-1: URI query parameters supported by the GET method on this resource

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

This method shall support the request data structures specified in table 6.2.27.3.1-2 and the response data structures and response codes specified in table 6.2.27.3.1-3.

Table 6.2.27.3.1-2: Data structures supported by the GET Request Body on this resource

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

Table 6.2.27.3.1-3: Data structures supported by the GET Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Responsecodes | Description |
| UeIdMappingInfo | M | 1 | 200 OK | Successful case. The requested "UE ID Mapping" resource is returned. |
| NOTE: The mandatory HTTP error status codes for the HTTP GET method listed in table 5.2.7.1-1 of 3GPP TS 29.500 [4] also apply. |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |  |  |  |

##### 6.2.27.3.2 PUT

This method shall support the URI query parameters specified in table 6.2.27.3.1-1.

Table 6.2.27.3.1-1: URI query parameters supported by the PUT method on this resource

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

This method shall support the request data structures specified in table 6.2.27.3.1-2 and the response data structures and response codes specified in table 6.2.27.3.1-3.

Table 6.2.27.3.1-2: Data structures supported by the PUT Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| UeIdMappingInfo | M | 1 | The UE ID Mapping information to be stored in the UDR. |

Table 6.2.27.3.1-3: Data structures supported by the PUT Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Responsecodes | Description |
| UeIdMappingInfo | M | 1 | 201 Created | The resource has been successfully created and a response body is returned containing a representation of the resource. |
| UeIdMappingInfo | M | 1 | 200 OK | The resource has been successfully updated and a response body is returned containing a representation of the resource. |
| n/a |  |  | 204 No Content | The resource has been successfully updated. |
|  |  |  |  |  |
| NOTE 1: The mandatory HTTP error status codes for the PUT method listed in table 5.2.7.1-1 of 3GPP TS 29.500 [4] also apply. |

Table 6.2.27.3.1-4: 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}/nudr-dr/<apiVersion>/application-data/ueid-mappings/{ueMappingId} |

##### 6.2.27.3.3 DELETE

This method shall support the URI query parameters specified in table 6.2.27.3.3-1.

Table 6.2.27.3.3-1: URI query parameters supported by the DELETE method on this resource

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

This method shall support the request data structures specified in table 6.2.27.3.3-2 and the response data structures and response codes specified in table 6.2.27.3.3-3.

Table 6.2.27.3.3-2: Data structures supported by the DELETE Request Body on this resource

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

Table 6.2.27.3.3-3: Data structures supported by the DELETE Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Responsecodes | Description |
| n/a |  |  | 204 No Content | Successful case. The "UE ID Mapping" resource is successfully deleted. |
| NOTE: The mandatory HTTP error status codes for the HTTP DELETE method listed in table 5.2.7.1-1 of 3GPP TS 29.500 [4] also apply. |

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

### 6.4.1 General

This clause specifies the application data model supported by the API.

Table 6.4.1-1 specifies the data types defined for the Nudr\_DataRepository Service API for Application Data service based interface protocol.

Table 6.4.1-1: Nudr\_DataRepository specific Data Types for Application Data

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Section defined | Description | Applicability |
| AfRequestedQosData | 6.4.2.18 | Represents an AF Requested QoS Data Set. | GMEC |
| AfRequestedQosDataPatch | 6.4.2.19 | Represents the requested modifications to an AF Requested QoS Data Set. | GMEC |
| AmInfluData | 6.4.2.16 | Contains AM influence data. | DCAMP |
| AmInfluDataPatch | 6.4.2.17 | Contains AM influence data that can be updated. | DCAMP |
| ApplicationDataSubs | 6.4.2.10 | Contains application data subscription data. |  |
| ApplicationDataChangeNotif | 6.4.2.11 | Contains the new or updated application data or removed indication. |  |
| BdtPolicyData | 6.4.2.7 | Contains applied BDT policy data. | EnhancedBackgroundDataTransfer |
| BdtPolicyDataPatch | 6.4.2.8 | Contains modification instructions to be performed on the applied BDT policy data. | EnhancedBackgroundDataTransfer |
| CorrelationType | 6.4.3.4 | Indicates that the EAS(es) corresponding to a common DNAI or common EAS should be selected | CommonEASDNAI |
| DataInd | 6.4.3.3 | Indicates the type of data. |  |
| DataFilter | 6.4.2.12 | Indicates an application data filter. |  |
| DnaiEasInfo | 6.4.2.22 | Contains EAS information for a DNAI. | DnaiEasMappings |
| DnaiEasMapping | 6.4.2.21 | Contains DNAI(s) to EAS mapping. | DnaiEasMappings |
| EcsAddrData | 6.4.2.23 | Represents ECS Address Configuration Data. | HR-SBO |
| IptvConfigData | 6.4.2.9 | Represents IPTV configuration data information. |  |
| PfdDataForAppExt | 6.4.2.6 | The PFDs and related data for the application |  |
| QosRequirements | 6.4.6.24 | Represents QoS requirements. | GMEC |
| QosRequirementsRm | 6.4.6.25 | Represents the same as the QosRequirements data type but with the OpenAPI "nullable: true" property. | GMEC |
| ServiceParameterData | 6.4.2.15 | Contains the service parameter data. |  |
| TrafficCorrelationInfo | 6.4.2.18 | Contains the information for traffic correlation. | CommonEASDNAI |
| ServiceParameterDataPatch | 6.4.2.15A | Contains the service parameter data that can be updated. |  |
| TrafficInfluData | 6.4.2.2 | Contains traffic influence data. |  |
| TrafficInfluDataPatch | 6.4.2.3 | Contains modification instructions to be performed on the traffic influence data. |  |
| TrafficInfluDataNotif | 6.4.2.14 | Contains traffic influence data for notification. | EnhancedInfluDataNotification |
| TrafficInfluSub | 6.4.2.4 | Contains traffic influence subscription data. |  |

Table 6.4.1-2 specifies data types re-used by the Nudr\_DataRepository Service API for Application Data service based interface protocol from other specifications, including a reference to their respective specifications and when needed, a short description of their use within the Nudr\_DataRepository Service API for Application Data service based interface.

Table 6.4.1-2: Nudr\_DataRepository re-used Data Types for Application Data

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Reference | Comments | Applicability |
| A2xParamsPc5 | 3GPP TS 29.522 [19] | Contains the A2X service parameters data provisioned over PC5. | A2X |
| A2xParamsPc5Rm | 3GPP TS 29.522 [19] | This data type is defined in the same way as the A2xParamsPc5 data type, but with the OpenAPI nullable property set to true. | A2X |
| AmInfluEvent | 3GPP TS 29.522 [19] | Identifies the type of AM related events of which the AF requests to be notified. |  |
| AlternativeServiceRequirementsData | 3GPP TS 29.514 [52] | Contains alternative QoS related parameters and a reference to them. | GMEC |
| ApplicationId | 3GPP TS 29.571 [7] | Indicates an application identifier. |  |
| BdtReferenceId | 3GPP TS 29.122 [9] | Identifies a selected policy of background data transfer. | EnhancedBackgroundDataTransfer |
| BitRate | 3GPP TS 29.571 [7] | Represent a bitrate. | GMEC |
| DateTime | 3GPP TS 29.571 [7] | Indicates a date and time. |  |
| DateTimeRm | 3GPP TS 29.571 [7] | Indicates a date and time that can be updated. |  |
| Dnai | 3GPP TS 29.571 [7] | Represents a DNAI. | DnaiEasMappings |
| DnaiChangeType | 3GPP TS 29.571 [7] | Describes the types of DNAI change. |  |
| Dnn | 3GPP TS 29.571 [7] | Identifies a Data Network Name. (NOTE 2) |  |
| DnnSnssaiInformation | 3GPP TS 29.522 [19] | Represents a DNN, S-NSSAI combination. | DCAMP |
| DurationSec | 3GPP TS 29.571 [7] | Represents a duration in seconds. | DCAMPCachingTimer |
| DurationSecRm | 3GPP TS 29.571 [7] | Represents a removable duration in seconds. | DCAMP |
| EasDeployInfoData | 3GPP TS 29.591 [23] | Represnts the EAS Deployment Information. | EasDeployment |
| EcsServerAddr | 3GPP TS 29.571 [7] | Represents the Edge Configuration Server (ECS) address configuration information. | HR-SBO |
| EthFlowDescription | 3GPP TS 29.514 [16] | Contains the Ethernet data flow information.(NOTE) |  |
| EthFlowInfo | 3GPP TS 29.122 [9] | Represents Ethernet flow information | GMEC |
| Event | 3GPP TS 29.522 [19] | Contains the outcome of the UE Policy Delivery related to the invocation of AF provisioned service parameters. | DeliveryOutcome |
| EventsSubscReqData | 3GPP TS 29.514 [16] | Identifies the events the application subscribes to. | GMEC |
| EventsSubscReqDataRm | 3GPP TS 29.514 [16] | This data type is defined in the same way as the EventsSubsReqData data type, but with the OpenAPI nullable property set to true. | GMEC |
| FlowInfo | 3GPP TS 29.122 [9] | Contains the flow information. |  |
| FqdnPatternMatchingRule | 3GPP TS 29.571 [7] | Identifies an FQDN pattern matching rule. | DnaiEasMappings |
| GroupId | 3GPP TS 29.571 [7] | Identifies a group of users. | EasDeployment |
| IpAddr | 3GPP TS 29.571 [7] | IP address and/or prefix. | DnaiEasMappings |
| IptvConfigDataPatch | 3GPP TS 29.522 [19] | Contains the IPTV configuration data used for PATCH. |  |
| Ipv4Addr | 3GPP TS 29.571 [7] | Identifies an IPv4 address. |  |
| Ipv6Addr | 3GPP TS 29.571 [7] | Identifies an IPv6 address. |  |
| Link | 3GPP TS 29.122 [9] | Identifies a referenced resource. | HR-SBO |
| MacAddr48 | 3GPP TS 29.571 [7] | MAC Address. |  |
| MulticastAccessControl | 3GPP TS 29.522 [19] | Represents the multicast access control information. |  |
| NetworkAreaInfo | 3GPP TS 29.554 [13] | Describes a network area information. |  |
| NetworkDescription | 3GPP TS 29.522 [19] | Represents the description of a PLMN in terms of the PLMN ID, the MCC (and optionally, applicable MNCs) or the indication of any PLMN | VPLMNSpecificURSP |
| ParameterOverPc5 | 3GPP TS 29.522 [19] | Contains the V2X service parameters data provisioned over PC5. |  |
| ParameterOverPc5Rm | 3GPP TS 29.522 [19] | This data type is defined in the same way as the ParameterOverPc5 data type, but with the OpenAPI nullable property set to true. |  |
| ParameterOverUu | 3GPP TS 29.522 [19] | Contains the V2X service parameters data provisioned over Uu. |  |
| ParameterOverUuRm | 3GPP TS 29.522 [19] | This data type is defined in the same way as the ParameterOverUu data type, but with the OpenAPI nullable property set to true. |  |
| ParamForProSeDc | 3GPP TS 29.522 [19] | Contains the service parameters for 5G ProSe direct communications. | ProSe |
| ParamForProSeDcRm | 3GPP TS 29.522 [19] | This data type is defined in the same way as the ParamForProSeDc data type, but with the OpenAPI nullable property set to true. |  |
| ParamForProSeDd | 3GPP TS 29.522 [19] | Contains the service parameters for 5G ProSe direct discovery. | ProSe |
| ParamForProSeDdRm | 3GPP TS 29.522 [19] | This data type is defined in the same way as the ParamForProSeDd data type, but with the OpenAPI nullable property set to true. |  |
| ParamForProSeEndUe | 3GPP TS 29.522 [19] | Contains the service parameters for 5G ProSe End UE. | ProSe\_Ph2 |
| ParamForProSeEndUeRm | 3GPP TS 29.522 [19] | This data type is defined in the same way as the ParamForProSeEndUe data type, but with the OpenAPI nullable property set to true. | ProSe\_Ph2 |
| ParamForProSeRemUe | 3GPP TS 29.522 [19] | Contains the service parameters for 5G ProSe remote UE. | ProSe |
| ParamForProSeRemUeRm | 3GPP TS 29.522 [19] | This data type is defined in the same way as the ParamForProSeRemUe data type, but with the OpenAPI nullable property set to true. |  |
| ParamForProSeU2NRelUe | 3GPP TS 29.522 [19] | Contains the service parameters for 5G ProSe UE-to-network relay UE. | ProSe |
| ParamForProSeU2NRelUeRm | 3GPP TS 29.522 [19] | This data type is defined in the same way as the ParamForProSeU2NRelUe data type, but with the OpenAPI nullable property set to true. |  |
| ParamForProSeU2URelUe | 3GPP TS 29.522 [19] | Contains the service parameters for 5G ProSe UE-to-UE Relay UE. | ProSe\_Ph2 |
| ParamForProSeU2URelUeRm | 3GPP TS 29.522 [19] | This data type is defined in the same way as the ParamForProSeU2URelUe data type, but with the OpenAPI nullable property set to true. | ProSe\_Ph2 |
| ParamForRangingSlPos | 3GPP TS 29.522 [19] | Contains the service parameters for ranging and sidelink positioning. | Ranging\_SL |
| ParamForRangingSlPosRm | 3GPP TS 29.522 [19] | This data type is defined in the same way as the "ParamForRangingSlPos" data type, but with the OpenAPI "nullable: true" property. | Ranging\_SL |
| PfdChangeNotification | 3GPP TS 29.551 [8] | Describes the PFD change. |  |
| PfdContent | 3GPP TS 29.551 [8] | Represents the content of a PFD for an application identifier. |  |
| PlmnId | 3GPP TS 29.571 [7] | Identifies a PLMN. | DCAMP\_Roaming\_LBO |
| RouteToLocation | 3GPP TS 29.571 [7] | Identifies the N6 traffic routing requirement. |  |
| ServiceAreaCoverageInfo | 3GPP TS 29.534 [22] | Contains service area coverage information. | DCAMP |
| Snssai | 3GPP TS 29.571 [7] | Identifies a Single Network Slice Selection Assistance Information. |  |
| SpatialValidityCond | 3GPP TS 29.571 [7] | Indicates the spatial validity condition. | HR-SBO |
| SubscribedEvent | 3GPP TS 29.522 [19] | Identified the type of UP path management events of which the AF requests to be notified. |  |
| Supi | 3GPP TS 29.571 [7] | Identifies a SUPI that shall contain either an IMSI or an NAI. |  |
| SupportedFeatures | 3GPP TS 29.571 [7] | Used to negotiate the applicability of the optional features. |  |
| TemporalInValidity | 3GPP TS 29.565 [27] | Indicates the time interval during which the NF service consumer request shall not to be applied | GMEC |
| TemporalValidity | 3GPP TS 29.514 [16] | Indicates the time interval during which the AF request is to be applied. | MultiTemporalCondition |
| TnapId | 3GPP TS 29.571 [7] | Trusted Network Access Point identifier. | AfGuideTNAPs |
| TscaiInputContainer | 3GPP TS 29.514 [16] | Represents the TSCAI Input information container. | GMEC |
| TsnQosContainer | 3GPP TS 29.514 [16] | Represents the TSC traffic QoS parameters. | GMEC |
| UeIdMappingInfo | 3GPP TS 29.522 [19] | Contains the UE ID mapping information. | Ranging\_SL |
|  |  |  |  |
| Uinteger | 3GPP TS 29.571 [7] | Unsigned Integer, i.e. only value 0 and integers greater than 0 are allowed. |  |
| UintegerRm | 3GPP TS 29.571 [7] | This data type is defined in the same way as the "Uinteger" data type, but with the OpenAPI "nullable: true" property. |  |
| Uri | 3GPP TS 29.571 [7] | Identifies a URI. |  |
| UriRm | 3GPP TS 29.571 [7] | Identifies a removable URI. | DCAMP |
| UrspRuleRequest | 3GPP TS 29.522 [19] | Contains service parameter data used to guide the URSP. | AfGuideURSP |
| NOTE 1: In order to support a set of MAC addresses with a specific range in the traffic filter, feature MacAddressRange as specified in clause 6.1.8 of TS 29.504 [6] shall be supported.NOTE 2: The UDR uses the DNN as received from the NF service consumer without applying any transformation. To successfully perform DNN matching, in a specific deployment a DNN shall always be encoded either with the full DNN (e.g., because there are multiple Operator Identifiers for a Network Identifier) or the DNN Network Identifier only. |

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

#### 6.4.2.15 Type ServiceParameterData

Table 6.4.2.15-1: Definition of type ServiceParameterData

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| dnn | Dnn | O | 0..1 | Identifies a DNN. (NOTE 2) |  |
| snssai | Snssai | O | 0..1 | Identifies an S-NSSAI. (NOTE 2) |  |
| appId | string | O | 0..1 | Identifies an application identifier. (NOTE 2) |  |
| supi | Supi | O | 0..1 | Identifies a user. (NOTE1) |  |
| ueIpv4 | Ipv4Addr | O | 0..1 | The IPv4 address of the served UE. (NOTE1) |  |
| ueIpv6 | Ipv6Addr | O | 0..1 | The IPv6 address of the served UE. (NOTE1) |  |
| ueMac | MacAddr48 | O | 0..1 | The MAC address of the served UE. (NOTE1) |  |
| interGroupId | GroupId | O | 0..1 | Identifies a group of users. (NOTE1) |  |
| anyUeInd | boolean | O | 0..1 | Identifies whether the service parameters applies to any non-roaming UE. This attribute shall set to "true" if applicable for any UE, otherwise, set to "false". (NOTE1) |  |
| roamUeNetDescs | array(NetworkDescription) | O | 1..N | Each element identifies one (e.g., combination of MCC and MNC) or more (e.g. a MCC only) PLMN ID(s). It indicates the PLMN(s) of inbound roamers to which the provided AF guidance on VPLMN-specific URSP rules apply. (NOTE 1) | VPLMNSpecificURSP |
| paramOverPc5 | ParameterOverPc5 | O | 0..1 | Contains the V2X service parameters used over PC5. |  |
| paramOverUu | ParameterOverUu | O | 0..1 | Contains the V2X service parameters used over Uu. |  |
| a2xParamsPc5 | A2xParamsPc5 | O | 0..1 | Contains the A2X service parameters used over PC5. | A2X |
| urspGuidance | array(UrspRuleRequest) | O | 1..N | Contains the service parameter used to guide the URSP and/or, when the VPLMNSpecificURSP feature is supported, to guide the VPLMN-specific URSP.(NOTE 3) | AfGuideURSP |
| paramForProSeDd | ParamForProSeDd | O | 0..1 | Contains the service parameters for 5G ProSe direct discovery. | ProSe |
| paramForProSeDc | ParamForProSeDc | O | 0..1 | Contains the service parameters for 5G ProSe direct communications. | ProSe |
| paramForProSeU2NRelUe | ParamForProSeU2NRelUe | O | 0..1 | Contains the service parameters for 5G ProSe UE-to-network relay UE. | ProSe |
| paramForProSeRemUe | ParamForProSeRemUe | O | 0..1 | Contains the service parameters for 5G ProSe remote UE. | ProSe |
| paramForProSeU2URelUe | ParamForProSeU2URelUe | O | 0..1 | Contains the service parameters for 5G ProSe UE-to-UE Relay UE. | ProSe\_Ph2 |
| paramForProSeEndUe | ParamForProSeEndUe | O | 0..1 | Contains the service parameters for 5G ProSe End UE. | ProSe\_Ph2 |
| tnaps | array(TnapId) | O | 1..N | Contains the TNAP ID(s) collocated with the 5G-RG(s) of a specific user. | AfGuideTNAPs |
| deliveryEvents | array(Event) | O | 1..N | Contains the events related to the outcome of UE policy delivery.  | DeliveryOutcome |
| policDelivNotifCorreId | string | C | 0..1 | Contains the Notification Correlation Id allocated by the NEF for the notification of UE Policy delivery outcome. It shall be included when the NEF requests the notification of UE Policy delivery outcome. | DeliveryOutcome |
| policDelivNotifUri | Uri | C | 0..1 | Contains the URI where the NEF receives the notification of UE Policy delivery outcome. It shall be included when the NEF requests the notification of UE policy delivery outcome. | DeliveryOutcome |
| headers | array(string) | O | 1..N | Headers provisioned by the NEF. E.g. 3gpp-Sbi-Binding header (as specified in 3GPP TS 29.500 [4]) with the binding indication for the URI included in the policDelivNotifUri attribute. The encoding of the header shall comply with clause 6.3 of IETF RFC 9110 [21]. | DeliveryOutcome |
| suppFeat | SupportedFeatures | C | 0..1 | Indicates the list of Supported features used as described in clause 5.8.This parameter shall be supplied in the PUT request that requested the creation of an individual Service parameter resource, and in the PUT response. |  |
| resUri | Uri | C | 0..1 | Represents the URI of Individual Service Parameter Data.It shall only be included in the HTTP GET response. |  |
| resetIds | array(string) | O | 1..N | This IE uniquely identifies a part of temporary data in UDR that contains the created resource.This attribute may be provided in the response of successful resource creation. |  |
| paramForRangingSlPos | ParamForRangingSlPos | O | 0..1 | Contains the service parameters for ranging and sidelink positioning. | Ranging\_SL |
|  |  |  |  |  |  |
| NOTE 1: Only one of the "supi", "anyUeInd", "interGroupId", "ueIpv4", "ueIpv6" or "ueMac" attribute, and when the feature "VPLMNSpecificURSP" is supported, or "roamUeNetDescs attribute", shall be provided. When the "AfGuideTNAPs" feature is supported, and the attribute "tnaps" is included, only the "supi" attribute shall be provided. When the "VPLMNSpecificURSP" feature is supported, the "roamUeNetDescs" attribute only applies to URSP service parameter provisioning and shall be included when the "urspGuidance" attribute contains VPLMN(s) description.NOTE 2: Only the combination of "dnn" and "snssai" or "appId" attribute shall be provided. When the "AfGuideTNAPs" feature is supported and the attribute "tnaps" is included, only the combination of "dnn" and "snssai" attributes shall be provided.NOTE 3: when the "AfGuideURSP" feature is supported and the attribute "urspGuidance" is included, the provided URSP guidance may apply to DNN and S-NSSAI combination(s) and/or application(s) different to the ones provided within the "dnn" and "snssai" or "appId" attributes. |

\*\*\* 6th Change \*\*\*

#### 6.4.2.15A Type ServiceParameterDataPatch

Table 6.4.2.15A-1: Definition of type ServiceParameterDataPatch

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| paramOverPc5 | ParameterOverPc5Rm | O | 0..1 | Contains the V2X service parameters used over PC5. When the"NullableSupport" feature is supported, this attribute is nullable. When the"NullableSupport" feature is not supported, this attribute is not nullable. |  |
| paramOverUu | ParameterOverUuRm | O | 0..1 | Contains the V2X service parameters used over Uu. When the "NullableSupport" feature is supported, this attribute is nullable. When the "NullableSupport" feature is not supported, this attribute is not nullable. |  |
| a2xParamsPc5 | A2xParamsPc5Rm | O | 0..1 | Contains the A2X service parameters used over PC5. | A2X |
| urspInfluence | array(UrspRuleRequest) | O | 1..N | Contains the service parameter used to influence the URSP.This attribute is deprecated by the "urspGuidance" attribute that should be used instead. | AfGuideURSP |
| urspGuidance | array(UrspRuleRequest) | O | 1..N | Contains the service parameter used to guide the URSP and/or, when the VPLMNSpecificURSP feature is supported, to guide the VPLMN-specific URSP. | AfGuideURSPPatchCorrection |
| paramForProSeDd | ParamForProSeDdRm | O | 0..1 | Contains the service parameters for 5G ProSe direct discovery.When the "NullableSupport" feature is supported, this attribute is nullable. When the "NullableSupport" feature is not supported, this attribute is not nullable. | ProSe |
| paramForProSeDc | ParamForProSeDcRm | O | 0..1 | Contains the service parameters for 5G ProSe direct communications.When the "NullableSupport" feature is supported, this attribute is nullable. When the "NullableSupport" feature is not supported, this attribute is not nullable. | ProSe |
| paramForProSeU2NRelUe | ParamForProSeU2NRelUeRm | O | 0..1 | Contains the service parameters for 5G ProSe UE-to-network relay UE.When the "NullableSupport" feature is supported, this attribute is nullable. When the "NullableSupport" feature is not supported, this attribute is not nullable. | ProSe |
| paramForProSeRemUe | ParamForProSeRemUeRm | O | 0..1 | Contains the service parameters for 5G ProSe remote UE.When the "NullableSupport" feature is supported, this attribute is nullable. When the "NullableSupport" feature is not supported, this attribute is not nullable. | ProSe |
| paramForProSeU2URelUE | ParamForProSeU2URelUeRm | O | 0..1 | Contains the service parameters for 5G ProSe UE-to-UE Relay UE. | ProSe\_Ph2 |
| paramForProSeEndUe | ParamForProSeEndUeRm | O | 0..1 | Contains the service parameters for 5G ProSe End UE. | ProSe\_Ph2 |
| tnaps | array(TnapId) | O | 1..N | Contains the TNAP ID(s) collocated with the 5G-RG(s) of a specific user. | AfGuideTNAPs |
| deliveryEvents | array(Event) | O | 1..N | Contains the events related to the outcome of UE policy delivery.When the "NullableSupport" feature is supported, this attribute is nullable. When the "NullableSupport" feature is not supported, this attribute is not nullable. | DeliveryOutcome |
| policDelivNotifUri | Uri | C | 0..1 | Contains the URI where the NEF receives the notification of UE Policy delivery outcome. It shall be included when the NEF requests the notification of UE policy delivery outcome. | DeliveryOutcome |
| headers | array(string) | O | 1..N | Headers provisioned by the NEF. E.g. 3gpp-Sbi-Binding header (as specified in 3GPP TS 29.500 [4]) with the binding indication for the URI included in the policDelivNotifUri IE. The encoding of the header shall comply with clause 6.3 of IETF RFC 9110 [21]. | DeliveryOutcome |
| paramForRangingSlPos | ParamForRangingSlPosRm | O | 0..1 | Contains the service parameters for ranging and sidelink positioning. | Ranging\_SL |
|  |  |  |  |  |  |

\*\*\* 7th 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 V18.5.0; 5G System; Usage of the Unified Data Repository Service for Policy Data,

 Application Data and Structured Data for Exposure.

 url: 'https://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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:pfds:read

 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

 - 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:pfds:read

 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

 - 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:pfds:modify

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:pfds:create

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:influence-data:read

 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: internal-group-ids-Add

 in: query

 description: Each element identifies an internal Group.

 required: false

 schema:

 type: array

 items:

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

 minItems: 1

 - name: subscriber-categories

 in: query

 description: >

 Each element identifies a subscriber category.

 required: false

 schema:

 type: array

 items:

 type: string

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:influence-data:create

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:influence-data:modify

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:influence-data:modify

 parameters:

 - name: influenceId

 in: path

 description: >

 The Identifier of an Individual Influence Data to be deleted. 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:influence-data:subscriptions:create

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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: '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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:influence-data:subscriptions:read

 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'

 - name: internal-group-ids

 in: query

 description: >

 Each element identifies an internal group.

 required: false

 schema:

 type: array

 items:

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

 minItems: 1

 - name: subscriber-categories

 in: query

 description: >

 Each element identifies a subscriber category.

 required: false

 schema:

 type: array

 items:

 type: string

 minItems: 1

 - name: roam-ue-plmn-ids

 in: query

 description: >

 Each element identifies a PLMN.

 required: false

 schema:

 type: array

 items:

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

 minItems: 1

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:influence-data:subscriptions:read

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:influence-data:subscriptions:modify

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:influence-data:subscriptions:modify

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:bdt-policy-data:read

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:bdt-policy-data:create

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:bdt-policy-data:modify

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:bdt-policy-data:modify

 parameters:

 - name: bdtPolicyId

 in: path

 description: >

 The Identifier of an Individual Applied BDT Policy Data to be deleted.

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:iptv-config-data:read

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:iptv-config-data:create

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:iptv-config-data:modify

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:iptv-config-data:modify

 parameters:

 - name: configurationId

 in: path

 description: >

 The Identifier of an Individual IPTV Configuration to be deleted. 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:service-param-data:read

 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: any-ue

 in: query

 description: Indicates whether the request is for any UE.

 required: false

 schema:

 type: boolean

 - name: roam-ue-net-descs

 in: query

 description: >

 Each element identifies oner or more PLMNs for a roaming UE.

 required: false

 schema:

 type: array

 items:

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

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:service-param-data:create

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:service-parameter-data:modify

 requestBody:

 required: true

 content:

 application/merge-patch+json:

 schema:

 $ref: '#/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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:service-parameter-data:modify

 parameters:

 - name: serviceParamId

 in: path

 description: >

 The Identifier of an Individual Service Parameter Data to be deleted.

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:am-influence-data:read

 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: dnn-snssai-infos

 in: query

 description: Each element identifies a combination of (DNN, S-NSSAI).

 required: false

 content:

 application/json:

 schema:

 type: array

 items:

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

 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: any-ue

 in: query

 description: Indicates whether the request is for any UE.

 required: false

 schema:

 type: boolean

 - 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:am-influence-data:create

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:am-influence-data:modify

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:am-influence-data:modify

 parameters:

 - name: amInfluenceId

 in: path

 description: >

 The Identifier of an Individual AM Influence Data to be deleted. 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:subs-to-notify:create

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:subs-to-notify:read

 parameters:

 - name: data-filter

 in: query

 description: The data filter for the query.

 required: false

 content:

 application/json:

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '503':

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

 default:

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

 /application-data/af-qos-data-sets:

 get:

 summary: Retrieve one or several existing Individual AF Requested QoS Data Set resource(s).

 operationId: ReadAFReqQoSDataSets

 tags:

 - AF Requested QoS Data Sets (Collection)

 security:

 - {}

 - oAuth2ClientCredentials:

 - nudr-dr

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:af-qos-data-sets:read

 parameters:

 - 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 network slice.

 required: false

 content:

 application/json:

 schema:

 type: array

 items:

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

 minItems: 1

 - name: int-group-ids

 in: query

 description: Each element identifies a group of subscriber(s).

 required: false

 schema:

 type: array

 items:

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

 minItems: 1

 - name: supis

 in: query

 description: Each element identifies a subscriber.

 required: false

 schema:

 type: array

 items:

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

 minItems: 1

 - name: data-set-ids

 in: query

 description: Each element identifies an Individual AF requested QoS Set resource.

 required: false

 schema:

 type: array

 items:

 type: string

 minItems: 1

 - name: supp-feat

 in: query

 required: false

 description: Supported Features

 schema:

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

 responses:

 '200':

 description: >

 The requested "Individual AF requested QoS Data Set resource(s) stored in the UDR are

 returned.

 content:

 application/json:

 schema:

 type: array

 items:

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

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '503':

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

 default:

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

 /application-data/af-qos-data-sets/{afReqQosId}:

 parameters:

 - name: afReqQosId

 in: path

 description: >

 Represents the identifier of an Individual AF Requested QoS Data Set.

 required: true

 schema:

 type: string

 put:

 summary: Create or update an Individual AF Requested QoS Data Set resource.

 operationId: CreateOrUpdateIndAFReqQoSDataSet

 tags:

 - Individual AF Requested QoS Data Set (Document)

 security:

 - {}

 - oAuth2ClientCredentials:

 - nudr-dr

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:af-qos-data-sets:create

 requestBody:

 required: true

 content:

 application/json:

 schema:

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

 responses:

 '201':

 description: >

 Created. The Individual AF Requested QoS Data Set resource is successfully created and a

 representation of the created resource shall be returned in the response body.

 content:

 application/json:

 schema:

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

 headers:

 Location:

 description: >

 Contains the URI of the newly created resource.

 required: true

 schema:

 type: string

 '200':

 description: >

 OK. The Individual AF Requested QoS Data Set resource is successfully updated and a

 representation of the updated resource shall be returned in the response body.

 content:

 application/json:

 schema:

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

 '204':

 description: >

 No Content. The Individual AF Requested QoS Data Set resource is successfully updated

 and no content is returned in the response body.

 '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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '503':

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

 default:

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

 patch:

 summary: Modify of an existing Individual AF Requested QoS Data Set" resource

 operationId: ModifyIndAFReqQoSDataSet

 tags:

 - Individual AF requested QoS Data Set (Document)

 security:

 - {}

 - oAuth2ClientCredentials:

 - nudr-dr

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:af-qos-data-sets:modify

 requestBody:

 required: true

 content:

 application/merge-patch+json:

 schema:

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

 responses:

 '200':

 description: >

 OK. The Individual AF Requested QoS Data Set resource is successfully modified and a

 representation of the updated resource shall be returned in the response body.

 content:

 application/json:

 schema:

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

 '204':

 description: >

 No Content. The Individual AF Requested QoS Data Set resource is successfully modified

 and no content is returned in the response body.

 '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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '503':

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

 default:

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

 delete:

 summary: Delete an existing Individual AF requested QoS Data Set resource

 operationId: DeleteIndAFReqQosDataSet

 tags:

 - Individual AF requested QoS Data Set (Document)

 security:

 - {}

 - oAuth2ClientCredentials:

 - nudr-dr

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:af-qos-data-sets:modify

 responses:

 '204':

 description: >

 No Content. The Individual AF requested QoS Data Set is successfully 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:subs-to-notify:modify

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:subs-to-notify:modify

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '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

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:subs-to-notify:read

 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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '503':

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

 default:

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

 /application-data/eas-deploy-data:

 get:

 summary: Retrieve EAS Deployment Information Data

 operationId: ReadEasDeployData

 tags:

 - EAS Deployment Data (Store)

 security:

 - {}

 - oAuth2ClientCredentials:

 - nudr-dr

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:eas-deploy-data:read

 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 an S-NSSAI.

 required: false

 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: appId

 in: query

 description: Identifies an application.

 required: false

 schema:

 type: string

 responses:

 '200':

 description: The EAS Deployment Data stored in the UDR are returned.

 content:

 application/json:

 schema:

 type: array

 items:

 $ref: 'TS29591\_Nnef\_EASDeployment.yaml#/components/schemas/EasDeployInfoData'

 minItems: 1

 '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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '503':

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

 default:

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

 /application-data/eas-deploy-data/{easDeployInfoId}:

 get:

 summary: Retrieve an individual EAS Deployment Data resource

 operationId: ReadIndividualEasDeployData

 tags:

 - Individual EAS Deployment Data (Document)

 security:

 - {}

 - oAuth2ClientCredentials:

 - nudr-dr

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:eas-deploy-data:read

 parameters:

 - name: easDeployInfoId

 description: >

 String identifying an Individual EAS Deployment Information Data resource.

 in: path

 required: true

 schema:

 type: string

 responses:

 '200':

 description: >

 The EAS Deployment Data stored in the UDR for an Individual EAS Deployment

 Information Data resource is returned.

 content:

 application/json:

 schema:

 $ref: 'TS29591\_Nnef\_EASDeployment.yaml#/components/schemas/EasDeployInfoData'

 '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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '503':

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

 default:

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

 put:

 summary: Create or update an individual EAS Deployment Data resource

 operationId: CreateOrReplaceIndividualEasDeployData

 tags:

 - Individual EAS Deployment Data (Document)

 security:

 - {}

 - oAuth2ClientCredentials:

 - nudr-dr

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:eas-deploy-data:create

 requestBody:

 required: true

 content:

 application/json:

 schema:

 $ref: 'TS29591\_Nnef\_EASDeployment.yaml#/components/schemas/EasDeployInfoData'

 parameters:

 - name: easDeployInfoId

 in: path

 description: >

 The Identifier of an Individual EAS Deployment 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 EAS Deployment Data resource is confirmed and a

 representation of that resource is returned.

 content:

 application/json:

 schema:

 $ref: 'TS29591\_Nnef\_EASDeployment.yaml#/components/schemas/EasDeployInfoData'

 headers:

 Location:

 description: >

 Contains the URI of the newly created resource, according to the structure:

 {apiRoot}/nudr-dr/<apiVersion>/application-data/eas-deploy-data/{easDeployInfoId}

 required: true

 schema:

 type: string

 '200':

 description: >

 The update of an Individual EAS Deployment Data resource is confirmed and a response

 body containing EAS Deployment Data shall be returned.

 content:

 application/json:

 schema:

 $ref: 'TS29591\_Nnef\_EASDeployment.yaml#/components/schemas/EasDeployInfoData'

 '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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '503':

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

 default:

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

 delete:

 summary: Delete an individual EAS Deployment Data resource

 operationId: DeleteIndividualEasDeployData

 tags:

 - Individual EasDeployment Data (Document)

 security:

 - {}

 - oAuth2ClientCredentials:

 - nudr-dr

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:eas-deploy-data:modify

 parameters:

 - name: easDeployInfoId

 in: path

 description: >

 The Identifier of an Individual EAS Deployment Data to be deleted.

 It shall apply the format of Data type string.

 required: true

 schema:

 type: string

 responses:

 '204':

 description: The Individual EAS Deployment 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/dnai-eas-mappings/{dnai}:

 parameters:

 - name: dnai

 in: path

 required: true

 schema:

 type: string

 get:

 summary: Retrieves the EAS address information for a DNAI.

 operationId: ReadDnaiEasMapping

 tags:

 - DnaiEasMapping (Document)

 security:

 - {}

 - oAuth2ClientCredentials:

 - nudr-dr

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:dnai-eas:read

 parameters:

 - name: supp-feat

 in: query

 description: Supported Features

 required: false

 schema:

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

 responses:

 '200':

 description: >

 Upon success, a response body containing EAS address information for a DNAI

 is returned.

 content:

 application/json:

 schema:

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

 '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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '503':

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

 default:

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

 /application-data/ecs-address-roaming:

 get:

 summary: Retrieve ECS Address Roaming Data

 operationId: ReadEcsRoamingData

 tags:

 - ECS Address Roaming Data (Store)

 security:

 - {}

 - oAuth2ClientCredentials:

 - nudr-dr

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:ecs-address-roaming:read

 parameters:

 - name: internal-group-id

 in: query

 description: Identifies a group of users.

 required: false

 schema:

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

 - name: any-ue

 in: query

 description: >

 Indicates that any UE is targetted if included and set to true, otherwise set to false.

 Default value is false if omitted.

 required: false

 schema:

 type: boolean

 responses:

 '200':

 description: The ECS Address Roaming Data stored in the UDR are returned.

 content:

 application/json:

 schema:

 type: array

 items:

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

 minItems: 1

 '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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '503':

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

 default:

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

 /application-data/ecs-address-roaming/{ecsAddrInfoId}:

 get:

 summary: Retrieve an individual ECS Address Roaming Data resource

 operationId: ReadIndividualEcsAddr

 tags:

 - Individual ECS Address Roaming Data (Document)

 security:

 - {}

 - oAuth2ClientCredentials:

 - nudr-dr

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:ecs-address-roaming:read

 parameters:

 - name: ecsAddrInfoId

 description: >

 String identifying an Individual ECS Address Roaming Data resource.

 in: path

 required: true

 schema:

 type: string

 responses:

 '200':

 description: >

 The ECS Address Roaming Data stored in the UDR for an Individual ECS Address Roaming

 Data resource is returned.

 content:

 application/json:

 schema:

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

 '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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '503':

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

 default:

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

 put:

 summary: Create or update an individual ECS Address Roaming Data resource

 operationId: CreateOrReplaceIndividualEcsAddressData

 tags:

 - Individual ECS Address Roaming Data (Document)

 security:

 - {}

 - oAuth2ClientCredentials:

 - nudr-dr

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:ecs-address-roaming:create

 requestBody:

 required: true

 content:

 application/json:

 schema:

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

 parameters:

 - name: ecsAddrInfoId

 in: path

 description: >

 The Identifier of an Individual ECS Address Roaming Data to be created or updated.

 required: true

 schema:

 type: string

 responses:

 '201':

 description: >

 The creation of an Individual EECS Address Roaming Data resource is confirmed

 and a representation of that resource is returned.

 content:

 application/json:

 schema:

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

 headers:

 Location:

 description: >

 Contains the URI of the newly created resource.

 required: true

 schema:

 type: string

 '200':

 description: >

 The update of an Individual ECS Address Roaming Data resource is confirmed

 and a response body containing ECS Address Roaming Data is returned.

 content:

 application/json:

 schema:

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

 '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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '503':

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

 default:

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

 delete:

 summary: Delete an individual ECS Address Roaming Data resource

 operationId: DeleteIndividualEcsAddrData

 tags:

 - Individual ECS Address Roaming Data (Document)

 security:

 - {}

 - oAuth2ClientCredentials:

 - nudr-dr

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:ecs-address-roaming:modify

 parameters:

 - name: ecsAddrInfoId

 in: path

 description: >

 The Identifier of an Individual ECS Address Roaming Data to be updated.

 required: true

 schema:

 type: string

 responses:

 '204':

 description: The Individual ECS Address Roaming 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/ueid-mappings:

 get:

 summary: Retrieve one or several UE ID Mapping(s)

 operationId: GetUeIdMappings

 tags:

 - UE ID Mappings (Store)

 security:

 - {}

 - oAuth2ClientCredentials:

 - nudr-dr

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:ueid-mappings:read

 parameters:

 - name: app-layer-ids

 in: query

 description: Contains the requested Application layer Id(s).

 required: false

 schema:

 type: array

 items:

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

 minItems: 1

 - name: gpsis

 in: query

 description: Contains the requested GPSI(s).

 required: false

 schema:

 type: array

 items:

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

 minItems: 1

 - name: supp-feat

 in: query

 description: Supported Features

 required: false

 schema:

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

 responses:

 '200':

 description: The requested UE ID Mapping is returned.

 content:

 application/json:

 schema:

 type: array

 items:

 $ref: 'TS29522\_UEId.yaml#/components/schemas/UeIdMappingInfo'

 minItems: 1

 '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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '503':

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

 default:

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

 /application-data/ueid-mappings/{ueMappingId}:

 parameters:

 - name: mappingId

 description: >

 Contains the identifier of the Individual UE ID Mapping resource.

 in: path

 required: true

 schema:

 type: string

 get:

 summary: Retrieve an individual UE ID Mapping resource

 operationId: GetIndividualUeIdMapping

 tags:

 - Individual UE ID Mapping (Document)

 security:

 - {}

 - oAuth2ClientCredentials:

 - nudr-dr

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:ueid-mappings:read

 responses:

 '200':

 description: >

 The UE ID Mapping Data stored in the UDR for an Individual UE Mapping Id

 Data resource is returned.

 content:

 application/json:

 schema:

 $ref: 'TS29522\_UEId.yaml#/components/schemas/UeIdMappingInfo'

 '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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '503':

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

 default:

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

 put:

 summary: Create or update an individual UE ID Mapping resource

 operationId: CreateOrReplaceIndividualUeIdMapping

 tags:

 - Individual UE ID Mapping (Document)

 security:

 - {}

 - oAuth2ClientCredentials:

 - nudr-dr

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:ueid-mappings:create

 requestBody:

 required: true

 content:

 application/json:

 schema:

 $ref: 'TS29522\_UEId.yaml#/components/schemas/UeIdMappingInfo'

 - name: ueMappingId

 in: path

 description: >

 The Identifier of an Individual UE ID Mapping Data to be created or

 updated.

 required: true

 schema:

 type: string

 responses:

 '201':

 description: >

 The creation of an Individual UE ID Mapping Data resource is confirmed

 and a representation of that resource is returned.

 content:

 application/json:

 schema:

 $ref: 'TS29522\_UEId.yaml#/components/schemas/UeIdMappingInfo'

 headers:

 Location:

 description: >

 Contains the URI of the newly created resource.

 required: true

 schema:

 type: string

 '200':

 description: >

 The update of an Individual UE ID Mapping resource is confirmed

 and a response body containing UE ID Mapping is returned.

 content:

 application/json:

 schema:

 $ref: 'TS29522\_UEId.yaml#/components/schemas/UeIdMappingInfo'

 '204':

 description: No content. The Individual UE ID Mapping Data resource is updated.

 '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'

 '502':

 $ref: 'TS29571\_CommonData.yaml#/components/responses/502'

 '503':

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

 default:

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

 delete:

 summary: Delete an individual UE ID Mapping resource

 operationId: DeleteIndividualUeIdMappingData

 tags:

 - Individual UE ID Mapping Data (Document)

 security:

 - {}

 - oAuth2ClientCredentials:

 - nudr-dr

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - oAuth2ClientCredentials:

 - nudr-dr

 - nudr-dr:application-data

 - nudr-dr:application-data:ueid-mappings:modify

 - name: ueMappingId

 in: path

 description: >

 The Identifier of an Individual UE ID Mapping to be deleted.

 required: true

 schema:

 type: string

 responses:

 '204':

 description: The Individual UE ID Mapping 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'

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'

 interGroupIdList:

 type: array

 items:

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

 minItems: 2

 description: >

 Identifies a list of Internal Groups.

 subscriberCatList:

 type: array

 items:

 type: string

 minItems: 1

 description: >

 Identifies a list of Subscriber Category(s).

 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.

 sfcIdDl:

 type: string

 description: Reference to a pre-configured service function chain for DL traffic

 sfcIdUl:

 type: string

 description: Reference to a pre-configured service function chain for UL traffic

 metadata:

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

 traffCorreInd:

 type: boolean

 tfcCorreInfo:

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

 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:

 description: Contains the headers provisioned by the NEF.

 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

 maxAllowedUpLat:

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

 simConnInd:

 type: boolean

 description: >

 Indicates whether simultaneous connectivity should be temporarily

 maintained for the source and target PSA.

 simConnTerm:

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

 supportedFeatures:

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

 resUri:

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

 resetIds:

 type: array

 items:

 type: string

 minItems: 1

 nscSuppFeats:

 type: object

 additionalProperties:

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

 minProperties: 1

 description: >

 Identifies a list of Network Function Service Consumer supported per service. The key

 used in this map for each entry is the ServiceName value as defined in

 3GPP TS 29.510[24].

 allOf:

 - oneOf:

 - required: [afAppId]

 - required: [trafficFilters]

 - required: [ethTrafficFilters]

 - oneOf:

 - required: [supi]

 - required: [interGroupId]

 - required: [interGroupIdList]

 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.

 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.

 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.

 sfcIdDl:

 type: string

 description: Reference to a pre-configured service function chain for DL traffic

 nullable: true

 sfcIdUl:

 type: string

 description: Reference to a pre-configured service function chain for UL traffic

 nullable: true

 metadata:

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

 traffCorreInd:

 type: boolean

 tfcCorreInfo:

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

 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:

 description: Contains the headers provisioned by the NEF.

 type: array

 items:

 type: string

 minItems: 1

 afAckInd:

 type: boolean

 addrPreserInd:

 type: boolean

 maxAllowedUpLat:

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

 simConnInd:

 type: boolean

 description: >

 Indicates whether simultaneous connectivity should be temporarily maintained

 for the source and target PSA.

 simConnTerm:

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

 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.

 internalGroupIdsAdd:

 type: array

 items:

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

 minItems: 1

 description: >

 Each element identifies an internal group.

 subscriberCatList:

 type: array

 items:

 type: string

 minItems: 1

 description: >

 Each element identifies a subscriber category.

 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'

 resetIds:

 type: array

 items:

 type: string

 minItems: 1

 immRep:

 type: boolean

 description: >

 If provided and set to true, it indicates that existing entries that

 match this subscription shall be immediately reported in the response.

 immReports:

 type: array

 items:

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

 minItems: 1

 description: Immediate report with existing UDR entries.

 required:

 - notificationUri

 oneOf:

 - required: [dnns]

 - required: [snssais]

 - required: [internalGroupIds]

 - required: [internalGroupIdsAdd]

 - 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.

 type: object

 properties:

 applicationId:

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

 pfds:

 type: array

 items:

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

 minItems: 1

 cachingTime:

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

 cachingTimer:

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

 suppFeat:

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

 resetIds:

 type: array

 items:

 type: string

 minItems: 1

 allowedDelay:

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

 required:

 - applicationId

 - pfds

 not:

 required: [cachingTime,cachingTimer]

 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'

 resetIds:

 type: array

 items:

 type: string

 minItems: 1

 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'

 resetIds:

 type: array

 items:

 type: string

 minItems: 1

 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

 description: >

 Identifies whether the service parameters applies to any non roaming UE.

 roamUeNetDescs:

 type: array

 items:

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

 minItems: 1

 description: Each element identifies one or more PLMN IDs of inbound roamers.

 paramOverPc5:

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

 paramOverUu:

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

 a2xParamsPc5:

 $ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/A2xParamsPc5'

 paramForProSeDd:

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

 paramForProSeDc:

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

 paramForProSeU2NRelUe:

 $ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParamForProSeU2NRelUe'

 paramForProSeRemUe:

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

 paramForProSeU2URelUe:

 $ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParamForProSeU2URelUe'

 paramForProSeEndUe:

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

 urspGuidance:

 type: array

 items:

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

 minItems: 1

 description: >

 Contains the service parameter used to guide the URSP and/or VPLMN specific URSP.

 tnaps:

 type: array

 items:

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

 minItems: 1

 description: Contains the TNAP IDs collocated with the 5G-RG(s) of a specific user.

 deliveryEvents:

 type: array

 items:

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

 minItems: 1

 description: Contains the outcome of the UE Policy Delivery.

 policDelivNotifCorreId:

 type: string

 description: >

 Contains the Notification Correlation Id allocated by the NEF for the notification

 of UE Policy delivery outcome.

 policDelivNotifUri:

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

 suppFeat:

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

 resUri:

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

 headers:

 description: Contains the headers provisioned by the NEF.

 type: array

 items:

 type: string

 minItems: 1

 resetIds:

 type: array

 items:

 type: string

 minItems: 1

 paramForRangingSlPos:

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

 ServiceParameterDataPatch:

 description: Represents the service parameter data that can be updated.

 type: object

 properties:

 paramOverPc5:

 $ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParameterOverPc5Rm'

 paramOverUu:

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

 a2xParamsPc5:

 $ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/A2xParamsPc5Rm'

 paramForProSeDd:

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

 paramForProSeDc:

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

 paramForProSeU2NRelUe:

 $ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParamForProSeU2NRelUeRm'

 paramForProSeRemUe:

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

 paramForProSeU2URelUE:

 $ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParamForProSeU2URelUeRm'

 paramForProSeEndUe:

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

 urspInfluence:

 type: array

 items:

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

 minItems: 1

 deprecated: true

 description: Contains the service parameter used to influence the URSP. This attribute is

 deprecated by the urspGuidance attribute.

 urspGuidance:

 type: array

 items:

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

 minItems: 1

 nullable: true

 description: >

 Contains the service parameter used to influence the URSP and/or VPLMN specific URSP.

 tnaps:

 type: array

 items:

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

 minItems: 1

 description: Contains the TNAP IDs collocated with the 5G-RG(s) of a specific user.

 nullable: true

 deliveryEvents:

 type: array

 items:

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

 minItems: 1

 nullable: true

 description: Contains the outcome of the UE Policy Delivery.

 policDelivNotifUri:

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

 headers:

 description: Contains the headers provisioned by the NEF.

 type: array

 items:

 type: string

 minItems: 1

 paramForRangingSlPos:

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

 AmInfluData:

 description: Represents the AM Influence Data.

 type: object

 properties:

 appIds:

 type: array

 items:

 type: string

 minItems: 1

 description: Identifies one or more applications.

 dnnSnssaiInfos:

 type: array

 items:

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

 minItems: 1

 description: Identifies one or more DNN, S-NSSAI combinations.

 interGroupId:

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

 supi:

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

 anyUeInd:

 type: boolean

 description: >

 When set to true, it indicates whether the data is applicable for any UE. Otherwise set

 to "false". Default value is "false" if omitted.

 roamUePlmnIds:

 type: array

 items:

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

 minItems: 1

 description: >

 Indicates a list of PLMNs representing the home PLMN for the inbound roaming

 UEs in LBO roaming scenario.

 policyDuration:

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

 evSubs:

 type: array

 items:

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

 minItems: 1

 description: List of AM related events for which a subscription is required.

 notifUri:

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

 notifCorrId:

 type: string

 description: Notification correlation identifier.

 headers:

 type: array

 description: Contains the headers provisioned by the NEF.

 items:

 type: string

 minItems: 1

 thruReq:

 type: boolean

 description: >

 When set to true, it indicates whether high throughput is desired for the

 indicated UE traffic. Otherwise set to "false". Default value is "false" if omitted.

 covReq:

 type: array

 items:

 $ref: 'TS29534\_Npcf\_AMPolicyAuthorization.yaml#/components/schemas/ServiceAreaCoverageInfo'

 minItems: 1

 description: Indicates the service area coverage requirement.

 supportedFeatures:

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

 resUri:

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

 resetIds:

 type: array

 items:

 type: string

 minItems: 1

 allOf:

 - anyOf:

 - required: [thruReq]

 - required: [covReq]

 - oneOf:

 - required: [supi]

 - required: [interGroupId]

 - required: [anyUeInd]

 - required: [roamUePlmnIds]

 AmInfluDataPatch:

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

 type: object

 properties:

 appIds:

 type: array

 items:

 type: string

 minItems: 1

 description: Identifies one or more applications.

 nullable: true

 dnnSnssaiInfos:

 type: array

 items:

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

 minItems: 1

 description: Identifies one or more DNN, S-NSSAI combinations.

 nullable: true

 evSubs:

 type: array

 items:

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

 minItems: 1

 description: List of AM related events for which a subscription is required.

 nullable: true

 headers:

 type: array

 description: Contains the headers provisioned by the NEF.

 items:

 type: string

 minItems: 1

 thruReq:

 type: boolean

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

 nullable: true

 notifUri:

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

 notifCorrId:

 type: string

 description: Notification correlation identifier.

 nullable: true

 covReq:

 type: array

 items:

 $ref: 'TS29534\_Npcf\_AMPolicyAuthorization.yaml#/components/schemas/ServiceAreaCoverageInfo'

 minItems: 1

 description: Indicates the service area coverage requirement.

 nullable: true

 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'

 immRep:

 type: boolean

 description: Immediate reporting indication.

 amInfluEntries:

 type: array

 items:

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

 minItems: 1

 description: The AM Influence Data entries stored in the UDR that match a subscription.

 supportedFeatures:

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

 resetIds:

 type: array

 items:

 type: string

 minItems: 1

 immReports:

 type: array

 items:

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

 minItems: 1

 description: Immediate report with existing UDR entries.

 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'

 dnaiEasData:

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

 afReqQosData:

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

 ecsAddrData:

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

 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

 anyUeInd:

 type: boolean

 description: Indicates the request is for any UE.

 dnnSnssaiInfos:

 description: >

 Indicates the request is for any DNN and S-NSSAI combination present in the array.

 type: array

 items:

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

 minItems: 1

 dnais:

 type: array

 items:

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

 minItems: 1

 required:

 - dataInd

 TrafficCorrelationInfo:

 description: >

 Contains the information for traffic correlation.

 type: object

 properties:

 corrType:

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

 tfcCorrId:

 type: string

 description: >

 Identification of a set of UEs accessing the application identified by the

 Application Identifier or traffic filtering information.

 comEasIpv4Addr:

 $ref: 'TS29571\_CommonData.yaml#/components/schemas/Ipv4AddrRm'

 comEasIpv6Addr:

 $ref: 'TS29571\_CommonData.yaml#/components/schemas/Ipv6AddrRm'

 fqdnRange:

 type: array

 items:

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

 minItems: 1

 nullable: true

 notifUri:

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

 notifCorrId:

 type: string

 nullable: true

 description: Notification correlation identifier.

 nullable: true

 AfRequestedQosData:

 description: Represents AF Requested QoS data.

 type: object

 properties:

 supi:

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

 interGroupId:

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

 afAppId:

 type: string

 description: Identifies an AF application.

 dnn:

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

 sliceInfo:

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

 evSubsc:

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

 flowInfo:

 type: array

 items:

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

 minItems: 1

 ethFlowInfo:

 type: array

 items:

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

 minItems: 1

 enEthFlowInfo:

 type: array

 items:

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

 minItems: 1

 qosReference:

 type: string

 qosReqs:

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

 altSerReqs:

 type: array

 items:

 type: string

 minItems: 1

 altSerReqsData:

 type: array

 items:

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

 minItems: 1

 description: >

 Contains alternative service requirements that include individual QoS parameter sets.

 disUeNotif:

 type: boolean

 marBwDl:

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

 marBwUl:

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

 mirBwDl:

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

 mirBwUl:

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

 tempInValidity:

 $ref: 'TS29565\_Ntsctsf\_QoSandTSCAssistance.yaml#/components/schemas/TemporalInValidity'

 headers:

 description: Contains the headers provisioned by the NEF.

 type: array

 items:

 type: string

 minItems: 1

 suppFeat:

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

 allOf:

 - oneOf:

 - required: [supi]

 - required: [interGroupId]

 - oneOf:

 - required: [flowInfo]

 - required: [ethFlowInfo]

 - required: [enEthFlowInfo]

 - oneOf:

 - required: [qosReference]

 - required: [qosReqs]

 - not:

 required: [qosReference, altQosReqs]

 - not:

 required: [altQosReqs, altQoSReferences]

 AfRequestedQosDataPatch:

 description: Represents modification of Individual AF Requested QoS data.

 type: object

 properties:

 afAppId:

 type: string

 description: Identifies an AF application.

 nullable: true

 evSubsc:

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

 flowInfo:

 type: array

 items:

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

 minItems: 1

 nullable: true

 ethFlowInfo:

 type: array

 items:

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

 minItems: 1

 enEthFlowInfo:

 type: array

 items:

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

 minItems: 1

 qosReference:

 type: string

 nullable: true

 qosReqs:

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

 altSerReqs:

 type: array

 items:

 type: string

 minItems: 1

 nullable: true

 altSerReqsData:

 type: array

 items:

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

 minItems: 1

 description: >

 Contains removable alternative service requirements that include individual QoS

 parameter sets.

 nullable: true

 disUeNotif:

 type: boolean

 nullable: true

 tempInValidity:

 $ref: 'TS29565\_Ntsctsf\_QoSandTSCAssistance.yaml#/components/schemas/TemporalInValidity'

 headers:

 description: Contains the headers provisioned by the NEF.

 type: array

 items:

 type: string

 minItems: 1

 DnaiEasMapping:

 description: Contains DNAI to EAS mapping information.

 type: object

 properties:

 dnaiEasInfos:

 type: array

 items:

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

 minItems: 1

 description: Each element conrtains EAS address information for a DNAI.

 required:

 - dnaiEasInfos

 DnaiEasInfo:

 description: Contains EAS information for a DNAI.

 type: object

 properties:

 dnn:

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

 snssai:

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

 dnais:

 type: array

 items:

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

 minItems: 1

 description: DNAI(s) for the EAS Deployment Information.

 easIpAddrs:

 type: array

 items:

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

 minItems: 1

 description: >

 Each element contains EAS IP address(es), IP address ranges, and/or IPv6 prefixes.

 fqdns:

 type: array

 items:

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

 minItems: 1

 description: Each element contains FQDN for the EAS(s) of a DNAI.

 required:

 - dnais

 anyOf:

 - required: [dnn]

 - required: [snssai]

 oneOf:

 - required: [easIpAddrs]

 - required: [fqdns]

 EcsAddrData:

 description: Represents ECS Address Data.

 type: object

 properties:

 self:

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

 ecsServerAddr:

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

 spatialValidityCond:

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

 anyUeInd:

 type: boolean

 description: >

 If provided and set to true it indicates that all the UEs are targetted,

 otherwise set to false. The default value is false if omitted.

 internalGroupId:

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

 suppFeat:

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

 required:

 - ecsServerAddr

 QosRequirements:

 description: Represents QoS requirements.

 type: object

 properties:

 marBwUl:

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

 marBwDl:

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

 mirBwUl:

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

 mirBwDl:

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

 tsnQos:

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

 tscaiTimeDom:

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

 tscaiInputDl:

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

 tscaiInputUl:

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

 capBatAdaptation:

 type: boolean

 description: >

 Indicates the capability for AF to adjust the burst sending time, when it is supported

 and set to "true". The default value is "false" if omitted.

 QosRequirementsRm:

 description: Represents QoS requirements.

 nullable: true

 type: object

 properties:

 marBwUl:

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

 marBwDl:

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

 mirBwUl:

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

 mirBwDl:

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

 tsnQos:

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

 tscaiTimeDom:

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

 tscaiInputDl:

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

 tscaiInputUl:

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

 capBatAdaptation:

 type: boolean

 description: >

 Indicates the capability for AF to adjust the burst sending time, when it is supported

 and set to "true". The default value is "false" if omitted.

 DataInd:

 anyOf:

 - type: string

 enum:

 - PFD

 - IPTV

 - BDT

 - SVC\_PARAM

 - AM

 - DNAI\_EAS

 - REQ\_QOS

 - ECS

 - 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: |

 Indicates the type of data.

 Possible values are

 - PFD: PFD data.

 - IPTV: IPTV configuration data.

 - BDT: BDT data.

 - SVC\_PARAM: Service parameter data.

 - AM: AM influence data.

 - DNAI\_EAS: DNAI EAS mapping data.

 - REQ\_QOS: AF Requested QoS data for a UE or group of UE(s) not identified by UE address(es).

 - ECS: ECS Address data.

 CorrelationType:

 description: Indicates that a common DNAI or common EAS should be selected.

 anyOf:

 - type: string

 enum:

 - COMMON\_DNAI

 - COMMON\_EAS

 - 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.

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