**3GPP TSG-CT WG4 Meeting #130C4-253402**

**Göteborg, Sweden; 25th – 29th August 2025 was3289**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** |  | **rev** | **1** | **Current version:** |  |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Update the scope overview and service operations to add AIoT device profile data | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | , Lenovo, Huawei, HPE | | | | | | | | | |
| ***Source to TSG:*** | CT4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** |  | | | | |  | ***Date:*** | | |  |
|  |  | | | |  | |  | | |  |
| ***Category:*** |  |  | | | | | ***Release:*** | | |  |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The UDR may support the storage of AIoT device profile data and AF authorizaion data as specified in clause 4.5.8 of 3GPP TS 23.369. So, the Nudr\_DataRepository for Ambient IoT data should be specified accordingly.  So, this CR propose to update the scope, references, abbreviations, overview and service operation descripion of Nudr\_DataRepository service with Ambient IoT data related information. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | * Add the description of Nudr\_DataRepository service for Ambient IoT data with reference TS29.506. * Update the service operation description to add ADM as service consumer. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Misalignment between stage-2 and stage-3. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 1, 2, 3.2, 4, 5.2.1.1, 5.2.2.1, 5.2.2.2.2, 5.2.2.5.1, 5.2.2.5.2, 6.1.3.1, 6 1.3.x, 6.1.6, 6.1.7 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | | This CR does not impact any OpenAPI. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | * Add Lenovo, Huawei and HPE as co-signer. * Merge the updates to clause 6. * Clause 6.1.7, Add the OAuth2 scopes for AF authorization and modified the OAuth2 scope for AIoT device provice data. * Update all the AIoT device profile data to Ambient IoT data to align with the new TS name. | | | | | | | | |

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

# 1 Scope

The present document specifies the stage 3 protocol and high level data model for the Nudr Service Based Interface. It provides stage 3 protocol definitions and message flows, and specifies the API for each service offered by the Unified Data Repository (UDR). The data model and usage of the subscription data is specified in 3GPP TS 29.505 [2], the data model and usage of the policy data, structured data for exposure and application data are specified in 3GPP TS 29.519 [3] and the data model and usage of the Ambient IoT data is specified in 3GPP TS 29.506 [x].

The 5G System architecture is specified in 3GPP TS 23.501 [4]. The stage 2 definition and related procedures for Nudr SBI service are specified in 3GPP TS 23.502 [5] and 3GPP TS 23.503 [6]. The stage 2 definition and related procedures for Ambient IoT are specified in 3GPP TS 23.369 [y].

The Technical Realization of the Service Based Architecture is specified in 3GPP TS 29.500 [7] and the Principles and Guidelines for Services Definition is specified in 3GPP TS 29.501 [8].

\* \* \* Next Changes \* \* \* \*

# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non‑specific.

- For a specific reference, subsequent revisions do not apply.

- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2] 3GPP TS 29.505: "5G System; Usage of the Unified Data Repository Services for Subscription Data; Stage 3".

[3] 3GPP TS 29.519: "5G System; Usage of the Unified Data Repository Service for Policy Data, Structured Data for Exposure and Application Data; Stage 3".

[4] 3GPP TS 23.501: "System Architecture for the 5G System; Stage 2".

[5] 3GPP TS 23.502: "Procedures for the 5G System; Stage 2".

[6] 3GPP TS 23.503: "Policy and Charging Control Framework for the 5G System; Stage 2".

[7] 3GPP TS 29.500: "5G System; Technical Realization of Service Based Architecture; Stage 3".

[8] 3GPP TS 29.501: "5G System; Principles and Guidelines for Services Definition; Stage 3".

[9] IETF RFC 6901(April 2013): "JavaScript Object Notation (JSON) Pointer".

[10] 3GPP TS 29.571: "5G System; Common Data Types for Service Based Interfaces Stage 3".

[11] IETF RFC 8259: "The JavaScript Object Notation (JSON) Data Interchange Format".

[12] 3GPP TS 33.501: "Security architecture and procedures for 5G system".

[13] IETF RFC 6749: "The OAuth 2.0 Authorization Framework".

[14] 3GPP TS 29.510: "Network Function Repository Services; Stage 3".

[15] IETF RFC 9110: "HTTP Semantics ".

[16] IETF RFC 9111: "HTTP Caching".

[17] IETF RFC 9457: "Problem Details for HTTP APIs".

[18] IETF RFC 7396: "JSON Merge Patch".

[19] IETF RFC 6902: "JavaScript Object Notation (JSON) Patch".

[20] 3GPP TR 21.900: "Technical Specification Group working methods".

[21] OpenAPI Initiative, "OpenAPI Specification Version 3.0.0", <https://spec.openapis.org/oas/v3.0.0>

[22] IETF RFC 9113: "HTTP/2".

[23] IETF RFC 3986: "Uniform Resource Identifier (URI): Generic Syntax".

[24] 3GPP TS 23.527: "5G System; Restoration procedures".

[25] 3GPP TS 29.503: "5G System; Unified Data Management Services; Stage 3".

[x] 3GPP TS 29.506: "5G System; Usage of the Unified Data Repository services for Ambient IoT Data; Stage 3".

[y] 3GPP TS 23.369: "Architecture support for Ambient power-enabled Internet of Things;Stage 2".

\* \* \* Next Changes \* \* \* \*

## 3.2 Abbreviations

For the purposes of the present document, the abbreviations given in 3GPP TR 21.905 [1] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in 3GPP TR 21.905 [1].

ADM AIoT Data Management

AIoT Ambient IoT

GPSI Generic Public Subscription Identifier

NEF Network Exposure Function

PCF Policy Control Function

SUPI Subscription Permanent Identifier

UDM Unified Data Management

UDR Unified Data Repository

\* \* \* Next Changes \* \* \* \*

# 4 Overview

The Unified Data Repository (UDR) is the network entity in the 5G Core Network (5GC) supporting the following functionalities:

- Storage and retrieval of subscription data as specified in 3GPP TS 29.505 [2];

- Storage and retrieval of policy data as specified in 3GPP TS 29.519 [3];

- Storage and retrieval of structured data for exposure as specified in 3GPP TS 29.519 [3];

- Storage and retrieval of application data (including Packet Flow Descriptions (PFDs) for application detection, application request information for multiple UEs) as specified in 3GPP TS 29.519 [3];

- Subscription to notification and the notification of subscribed data changes.

- Storage and retrieval of NF-Group Id mapping data.

- Storage and retrieval of Ambient IoT data as specified in 3GPP TS 29.506 [x].

Figures 4-1 shows the data storage architecture for the 5GC:



Figure 4-1: Data storage architecture

The Nudr interface is used by the network functions (i.e. UDM, PCF, NEF, NRF and ADM) to access a particular set of the data stored in the UDR.

NOTE: Services offered by the UDR via the Nudr service-based interface can also be consumed by the HSS as specified in 3GPP TS 23.632 clause 5.2.4.

\* \* \* Next Changes \* \* \* \*

#### 5.2.1.1 Service and operation description

The UDR is acting as NF Service Producer. It provides Unified Data Repository service to the NF service consumer. The known NF Service Consumers are the UDM, PCF, NEF and ADM.

For the Nudr\_DataRepository service, the following service operations are defined:

- Query

- Create

- Delete

- Update

- Subscribe

- Unsubscribe

- Notify

- DataRestorationNotification

This service allows NF service consumers to retrieve, create, update, modify and delete data stored in the UDR.

This service allows the NF service consumers to subscribe/unsubscribe the data change notification and to be notified of the data change.

This service allows the NF service consumers to be notified upon the UDR restoration.

\* \* \* Next Changes \* \* \* \*

#### 5.2.2.1 Introduction

This clause specifies the generic Nudr\_DataRepository service operations towards the different data sets as shown in Figure 4-1.

The HTTP request of the service operations contains a resource URI where the {apiSpecificResourceUriPart} (see clause 4.4.2 in 3GPP TS 29.501 [8]) consists of a top-level segment and sub-level segment(s), followed by query parameters (optional or required).

If multiple query parameters are defined for a method on the resource, the default logical relationship between the different query parameters shall be the logical "AND", unless explicitly indicated on each specific resource and operation on the Nudr\_DataRepository API.

NOTE: Not all query parameters imply necessarily a logical relationship with other parameters (e.g. "supported-features"); whether or not such logical relationship exists, is determined by the semantics of the different query parameters in each resource and operation.

For Create, Query, Update and Delete operations, the top-level segment indicates one top level resource representing one of the data sets, which are defined as "/subscription-data", "/policy-data", "/exposure-data", "/application-data" and "/ambient-iot-data" in Figure 6.1.3.1-1. And a certain child resource is indicated by of the end URI of the sub-level segments, which are defined in 3GPP TS 29.505 [2] for use when the top-level segment is "/subscription-data", in 3GPP TS 29.519 [3] for use when the top-level segment is "/policy-data", "/exposure-data" or "/application-data" and in 3GPP TS 29.506 [x] for use when the top-level segment is "/ambient-iot-data".

For Subscribe/Unsubscribe to data change notification operations, the resource of the subscription to the notification should be as the child resource of each of the data sets (i.e. "/subscription-data", "/policy-data", "/exposure-data" and "/application-data"), which are indicated by the top-level segment in the URI. And the resource representation of the subscription to the notification should be indicated by the sub-level segment of each data set.

The following procedures for each operation should be taken as the common procedures and applicable to corresponding detail procedures with the same service operation in 3GPP TS 29.505 [2], 3GPP TS 29.519 [3] and 3GPP TS 29.506 [x].

\* \* \* Next Changes \* \* \* \*

##### 5.2.2.2.2 Data retrieval

Figure 5.2.2.2.2-1 shows a scenario where the NF service consumer (e.g. UDM, PCF, NEF or ADM) sends a request to the UDR to retrieve data.

Query parameters may be used for data retrieval:

i) Clause 5.2.2.2.3 specifies the query parameter used for retrieving subset of a resource;

ii) Other query parameters are defined in 3GPP TS 29.505 [2], 3GPP TS 29.519 [3] and 3GPP TS 29.506 [x].



Figure 5.2.2.2.2-1: Retrieving Data

1. The NF service consumer shall send a GET request to the resource representing the data. Query parameters may be used to restrict the response to the requested data record(s) of the resource's representation. Query parameters may also indicate the features that the NF service consumer supports as described in clause 6.6.2 of 3GPP TS 29.500 [7].

2. On success, the UDR shall respond with "200 OK" with the message body containing the requested data record(s) restricted to the query parameters. (and thus also to the indicated features supported by the NF service consumer).

On failure, the UDR shall return an appropriated error code with the error cause information.

The error codes of corresponding service operations in 3GPP TS 29.505 [2], 3GPP TS 29.519 [3] and 3GPP TS 29.506 [x] shall align and comply with the failure response mechanism which is defined in 3GPP TS 29.500 [7].

\* \* \* Next Changes \* \* \* \*

##### 5.2.2.5.1 General

The Update service operation is used by the NF service consumer (e.g. UDM, PCF, NEF, or ADM) to update the data stored in the UDR.

The following procedures using the Update service operation are supported:

- Data Update using PATCH

- Data Update using PUT

HTTP PATCH method shall be used to add/create, delete or modify part of the value(s) in the data record (e.g. a specific data or a group of data in one data subset). HTTP PUT method shall be used to replace a complete data record.

\* \* \* Next Changes \* \* \* \*

##### 5.2.2.5.2 Data Update using PATCH

Figure 5.2.2.5.2-1 shows a scenario where the NF service consumer (e.g. UDM, PCF, NEF or ADM) sends a request to the UDR to update some parts of the data record.



Figure 5.2.2.5.2-1: Data Updating using PATCH

1. The NF service consumer shall send a PATCH request to the resource representing the data record. The content contains the modification instruction towards the data record.

2. On success, the UDR shall respond with "204 No Content".

On failure, the UDR shall return an appropriated error code with the error cause information.

\* \* \* Next Changes \* \* \* \*

#### 6.1.3.1 Overview



Figure 6.1.3.1-1: Resource URI structure of the Nudr\_DataRepository API

Table 6.1.3.1-1 provides an overview of the resources and applicable HTTP methods.

Table 6.1.3.1-1: Resources and methods overview

|  |  |  |  |
| --- | --- | --- | --- |
| Resource name | Resource URI | HTTP method or custom operation | Description |
| SubscriptionData | /subscription-data | none | For sub-level resource names, resource URIs and HTTP methods see 3GPP TS 29.505 [2] |
| PolicyData | /policy-data | none | For sub-level resource names, resource URIs and HTTP methods see 3GPP TS 29.519 [3] |
| StructuredDataForExposure | /exposure-data | none | For sub-level resource names, resource URIs and HTTP methods see 3GPP TS 29.519 [3] |
| ApplicationData | /application-data | none | For sub-level resource names, resource URIs and HTTP methods see 3GPP TS 29.519 [3] |
| AmbientIoTData | /ambient-iot-data | none | For sub-level resource names, resource URIs and HTTP methods see 3GPP TS 29.506 [x] |
| DataRestorationEvents | /data-restoration-events | POST | This is a pseudo operation. |

\* \* \* Next Changes \* \* \* \*

#### 6.1.3.x AmbientIoTData

See 3GPP TS 29.506 [x].

\* \* \* Next Changes \* \* \* \*

#### 6.1.5.1 General

This clause specifies the general mechanism of notifications in the following scenarios:

- notification of changed data which are stored in the UDR;

- notification of data restoration.

The mechanism shall be applicable to the data specified in 3GPP TS 29.505 [2], 3GPP TS 29.519 [3], and 3GPP TS 29.506 [x].

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

### 6.1.6 Error Handling

Table 6.1.6-1 lists common response body data structures used within the nudr-dr (Nudr\_DataRepository) API

Table 6.1.6-1: Common Response Body Data Structures

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Data type** | **P** | **Cardinality** | **Response**  **codes** | **Description** |
| ProblemDetails | O | 0..1 | 4xx, 5xx responses | For error status codes, the UDR may provide detailed information. |
| NOTE: In addition common data structures as defined in 3GPP TS 29.500 [7] are supported. | | | | |

The "ProblemDetails" data structure may contain a "cause" attribute to indicate the application error, see 3GPP TS 29.571 [10]. The values for "cause" attribute are defined in table 6.1.6-2.

Table 6.1.6-2: Application Errors

|  |  |  |
| --- | --- | --- |
| Application Error | HTTP status code | Description |
| NF\_TYPE\_NOT\_ALLOWED | 403 Forbidden | The target data set is not permitted to access for the NF type of the NF consumer. |
| UNSUPPORTED\_MONITORED\_URI | 501 Not Implemented | The subscribe service operation is not able to be implemented due to invalid resource URI to be monitored). |
| USER\_NOT\_FOUND | 404 Not Found | The user indicated in the HTTP/2 request does not exist in the UDR. |
| DATA\_NOT\_FOUND | 404 Not Found | The data indicated in the HTTP/2 request is unavailable in the UDR. |
| INCORRECT\_CONDITIONAL\_REQUEST | 412 Precondition Failed | One or more conditions given in the request header fields evaluated to false when tested in the UDR. |
| UNPROCESSABLE\_REQUEST | 422 Unprocessable Entity | The request cannot be processed due to semantic errors when trying to process a patch method. |
| DATABASE INCONSISTENCY | 500 Internal Server Error | Requested data cannot be returned due to database inconsistency |
| RESOURCE\_TEMP\_MOVED | 307 Temporary Redirect | The resource is unavailable in the current target URI but can be temporarily found in an alternative URI. |
| RESOURCE\_MOVED | 308 Permanent Redirect | The resource is unavailable in the current target URI but can be permanently found in an alternative URI. |
| GROUP\_IDENTIFIER\_NOT\_FOUND | 404 Not Found | The group identifier does not exist. |
| MODIFICATION\_NOT\_ALLOWED | 403 Forbidden | Modification of the target resource representation is not permitted. |
| PLMN\_NOT\_FOUND | 404 Not Found | The 'servingPlmnId' indicated in the HTTP/2 query is unavailable in the UDR. This status code is also used when 'servingPlmnId' path variable contains SNPN ID, see Table 5.2.3.2-1 in 3GPP TS 29.505 [2]. |
| INTERNAL\_GROUP\_ID\_NOT\_UNIQUE | 403 Forbidden | The internal group ID allocated by the UDM for a newly created 5G VN Group already exists in the UDR. |
| CREATION\_NOT\_ALLOWED | 403 Forbidden | Creation of the resource is not allowed |
| DNN\_NOT\_ALLOWED | 403 Forbidden | NIDD authorization for the DNN is rejected |
| MTC\_PROVIDER\_NOT\_ALLOWED | 403 Forbidden | NIDD authorization for the MTC Provider is rejected |
| AF\_INSTANCE\_NOT\_ALLOWED | 403 Forbidden | NIDD authorization for the AF Instance is rejected |
| SNSSAI\_NOT\_ALLOWED | 403 Forbidden | NIDD authorization for the SNSSAI is rejected |
| NOTE: The error codes shall apply to 3GPP TS 29.505 [2], 3GPP TS 29.519 [3] and 3GPP TS 29.506 [x]. In addition error codes shall comply with the definition in clause 5.2.7.2 of 3GPP TS 29.500 [7]. | | |

\* \* \* Next Changes \* \* \* \*

### 6.1.7 Security

As indicated in 3GPP TS 33.501 [12], the access to the Nudr\_DataRepository API may be authorized by means of the OAuth2 protocol (see IETF RFC 6749 [13]), using the "Client Credentials" authorization grant, where the NRF (see 3GPP TS 29.510 [14]) plays the role of the authorization server.

If Oauth2 authorization is used, an NF Service Consumer, prior to consuming services offered by the Nudr\_DataRepository API, shall obtain a "token" from the authorization server, by invoking the Access Token Request service, as described in 3GPP TS 29.510 [14], clause 5.4.2.2.

NOTE: When multiple NRFs are deployed in a network, the NRF used as authorization server is the same NRF that the NF Service Consumer used for discovering the Nudr\_DataRepository service.

The Nudr\_DataRepository API defines the following scopes for OAuth2 authorization:

Table 6.1.7-1: OAuth2 scopes defined in Nudr\_DataRepository API

|  |  |
| --- | --- |
| Scope | Description |
| "nudr-dr" | Access to the Nudr DataRepository API |
| "nudr-dr:subscription-data" | Access to the SubscriptionData data set. |
| "nudr-dr:subscription-data:authentication-subscription:read" | Access to read the AuthenticationSubscription resource of the SubscriptionData data set. |
| "nudr-dr:subscription-data:authentication-subscription:modify" | Access to update the AuthenticationSubscription resource of the SubscriptionData data set. |
| "nudr-dr:subscription-data:registrations:write" | Write access to NF registration resources of the SubscriptionData data set. |
| "nudr-dr:policy-data" | Access to the PolicyData data set. |
| "nudr-dr:policy-data:ues:read" | Access to read the UEs resource. |
| "nudr-dr:policy-data:ues:am-data:read" | Access to read the UEs Access and Mobility Policy data. |
| "nudr-dr:policy-data:ues:ue-policy-set:read" | Access to read the UEs Policy Set data. |
| "nudr-dr:policy-data:ues:ue-policy-set:create" | Access to create the UEs Policy Set data. |
| "nudr-dr:policy-data:ues:ue-policy-set:modify" | Access to update the UEs Policy Set data. |
| "nudr-dr:policy-data:ues:sm-data:read" | Access to read the UEs Session Management policy data. |
| "nudr-dr:policy-data:ues:sm-data:modify" | Access to update the UEs Session Management policy data. |
| "nudr-dr:policy-data:ues:sm-data:create" | Access to create the UEs Session Management policy data. |
| "nudr-dr:policy-data:sponsor-connectivity-data:read" | Access to read the sponsored connectivity data. |
| "nudr-dr:policy-data:bdt-data:read" | Access to read the BDT data resource. |
| "nudr-dr:policy-data:bdt-data:create" | Access to create the BDT data resource. |
| "nudr-dr:policy-data:bdt-data:modify" | Access to update the BDT data resource. |
| "nudr-dr:policy-data:subs-to-notify:read" | Access to read Subscriptions resources. |
| "nudr-dr:policy-data:subs-to-notify:create" | Access to create Subscriptions resources. |
| "nudr-dr:policy-data:subs-to-notify:modify" | Access to update Subscriptions resources. |
| "nudr-dr:policy-data:ues:operator-specific-data:read" | Access to read the UEs operator specific policy data. |
| "nudr-dr:policy-data:ues:operator-specific-data:modify" | Access to update the UEs operator specific policy data. |
| "nudr-dr:policy-data:ues:operator-specific-data:create" | Access to create the UEs operator specific policy data. |
| "nudr-dr:policy-data:plmns:ue-policy-set:read" | Access to read UE Policy SET |
| "nudr-dr:policy-data:slice-control-data:read" | Access to read Slice specific Policy Control Data. |
| "nudr-dr:policy-data:slice-control-data:modify" | Access to update Slice specific Policy Control Data. |
| "nudr-dr:policy-data:mbs-session-pol-data:read" | Access to read MBS Session Policy Data |
| "nudr-dr:policy-data:group-control-data:read" | Access to read Group Control Data. |
| "nudr-dr:policy-data:group-control-data:modify" | Access to update Group Control Data. |
| "nudr-dr:policy-data:pdtq-data:read" | Access to read PDTQ Data |
| "nudr-dr:policy-data:pdtq-data:create" | Access to create PDTQ Data |
| "nudr-dr:policy-data:pdtq-data:modify" | Access to update PDTQ Data |
| "nudr-dr:exposure-data" | Access to the ExposureData data set. |
| "nudr-dr:exposure-data:access-and-mobility-data:create" | Access to create Access and Mobility data. |
| "nudr-dr:exposure-data:access-and-mobility-data:read" | Access to read Access and Mobility data. |
| "nudr-dr:exposure-data:access-and-mobility-data:modify" | Access to update Access and Mobility data. |
| "nudr-dr:exposure-data:session-management-data:create" | Access to create Session Management data. |
| "nudr-dr:exposure-data:session-management-data:read" | Access to read Session Management data. |
| "nudr-dr:exposure-data:session-management-data:modify" | Access to update Session Management data. |
| "nudr-dr:exposure-data:subs-to-notify:create" | Access to create Subscriptions resources. |
| "nudr-dr:exposure-data:subs-to-notify:modify" | Access to update Subscriptions resources. |
| "nudr-dr:application-data" | Access to the ApplicationData data set. |
| "nudr-dr:application-data:pfds:read" | Access to read PFDData. |
| "nudr-dr:application-data:pfds:modify" | Access to update PFDData. |
| "nudr-dr:application-data:pfds:create" | Access to create PFDData. |
| "nudr-dr:application-data:influence-data:read" | Access to read Traffic Influence Data. |
| "nudr-dr:application-data:influence-data:create" | Access to create Traffic Influence Data. |
| "nudr-dr:application-data:influence-data:modify" | Access to update Traffic Influence Data. |
| "nudr-dr:application-data:influence-data:subscriptions:create" | Access to create Traffic Influence Data Subscriptions. |
| "nudr-dr:application-data:influence-data:subscriptions:read" | Access to read Traffic Influence Data Subscriptions. |
| "nudr-dr:application-data:influence-data:subscriptions:modify" | Access to update Traffic Influence Data Subscriptions. |
| "nudr-dr:application-data:bdt-policy-data:read" | Access to read BDT Policy Data. |
| "nudr-dr:application-data:bdt-policy-data:create" | Access to create BDT Policy Data. |
| "nudr-dr:application-data:bdt-policy-data:modify" | Access to update BDT Policy Data. |
| "nudr-dr:application-data:iptv-config-data:read" | Access to read IPTV Configuration Data. |
| "nudr-dr:application-data:iptv-config-data:create" | Access to create IPTV Configuration Data. |
| "nudr-dr:application-data:iptv-config-data:modify" | Access to update IPTV Configuration Data. |
| "nudr-dr:application-data:service-param-data:read" | Access to read Service Parameter Data. |
| "nudr-dr:application-data:service-param-data:create" | Access to create Service Parameter Data. |
| "nudr-dr:application-data:service-param-data:modify" | Access to update Service Parameter Data. |
| "nudr-dr:application-data:am-influence-data:read" | Access to read AM Influence Data. |
| "nudr-dr:application-data:am-influence-data:create" | Access to create AM Influence Data. |
| "nudr-dr:application-data:am-influence-data:modify" | Access to update AM Influence Data. |
| "nudr-dr:application-data:subs-to-notify:create" | Access to create Subscriptions resources. |
| "nudr-dr:application-data:subs-to-notify:read" | Access to read Subscriptions resources. |
| "nudr-dr:application-data:subs-to-notify:modify" | Access to update Subscriptions resources. |
| "nudr-dr:application-data:eas-deploy-data:read" | Access to read EAS Deployment Information Data. |
| "nudr-dr:application-data:eas-deploy-data:create" | Access to create EAS Deployment Information Data. |
| "nudr-dr:application-data:eas-deploy-data:modify" | Access to update EAS Deployment Information Data. |
| "nudr-dr:application-data:ecs-address-roaming:read" | Access to read ECS Address Roaming Data resources |
| "nudr-dr:application-data:ecs-address-roaming:create" | Access to create ECS Address Roaming Data resources |
| "nudr-dr:application-data:ecs-address-roaming:modify" | Access to update ECS Address Roaming Data resources |
| "nudr-dr:application-data:dnai-eas:read" | Access to read DNAI-EAS mapping resources. |
| "nudr-dr:application-data:af-qos-data-sets:read | Access to read AF QoS Data Sets |
| "nudr-dr:application-data:af-qos-data-sets:create | Access to create AF QoS Data Sets |
| "nudr-dr:application-data:af-qos-data-sets:modify | Access to update AF QoS Data Sets |
| "nudr-dr:application-data:ueid-mappings:read" | Access to read UE Id Mappings |
| "nudr-dr:application-data:ueid-mappings:create" | Access to create UE Id Mappings |
| "nudr-dr:application-data:ueid-mappings:delete" | Access to delete UE Id Mappings |
| "nudr-dr:ambient-iot-data:aiot-device-profile-data" | Access to AIoT device profile data |
| "nudr-dr:ambient-iot-data:aiot-device-profile-data:deviceId:device-profile-data:read" | Access to read AIoT device profile data |
| "nudr-dr:ambient-iot-data:aiot-device-profile-data:deviceId:device-profile-data:modify" | Access to update AIoT device profile data |
| "nudr-dr:ambient-iot-data:af-authorization-data" | | Access to AF Authorization data |
| "nudr-dr:ambient-iot-data:af-authorization-data:afId" | | Access to read AF Authorization data |

\* \* \* End of Change \* \* \* \*