

ETSI TS 129 519 V15.13.0 (2026-03)



TECHNICAL SPECIFICATION

**5G;
5G System;
Usage of the Unified Data Repository Service for Policy Data,
Application Data and Structured Data for Exposure;
Stage 3
(3GPP TS 29.519 version 15.13.0 Release 15)**



Reference

RTS/TSGC-0329519vfd0

Keywords

5G

ETSI

650 Route des Lucioles
F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - APE 7112B
Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° w061004871

Important notice

The present document can be downloaded from the
[ETSI Search & Browse Standards](#) application.

The present document may be made available in electronic versions and/or in print. The content of any electronic and/or print versions of the present document shall not be modified without the prior written authorization of ETSI. In case of any existing or perceived difference in contents between such versions and/or in print, the prevailing version of an ETSI deliverable is the one made publicly available in PDF format on [ETSI deliver](#) repository.

Users should be aware that the present document may be revised or have its status changed, this information is available in the [Milestones listing](#).

If you find errors in the present document, please send your comments to the relevant service listed under [Committee Support Staff](#).

If you find a security vulnerability in the present document, please report it through our [Coordinated Vulnerability Disclosure \(CVD\)](#) program.

Notice of disclaimer & limitation of liability

The information provided in the present deliverable is directed solely to professionals who have the appropriate degree of experience to understand and interpret its content in accordance with generally accepted engineering or other professional standard and applicable regulations.

No recommendation as to products and services or vendors is made or should be implied.

No representation or warranty is made that this deliverable is technically accurate or sufficient or conforms to any law and/or governmental rule and/or regulation and further, no representation or warranty is made of merchantability or fitness for any particular purpose or against infringement of intellectual property rights.

In no event shall ETSI be held liable for loss of profits or any other incidental or consequential damages.

Any software contained in this deliverable is provided "AS IS" with no warranties, express or implied, including but not limited to, the warranties of merchantability, fitness for a particular purpose and non-infringement of intellectual property rights and ETSI shall not be held liable in any event for any damages whatsoever (including, without limitation, damages for loss of profits, business interruption, loss of information, or any other pecuniary loss) arising out of or related to the use of or inability to use the software.

Copyright Notification

No part may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm except as authorized by written permission of ETSI.

The content of the PDF version shall not be modified without the written authorization of ETSI.

The copyright and the foregoing restriction extend to reproduction in all media.

© ETSI 2026.
All rights reserved.

Intellectual Property Rights

Essential patents

IPRs essential or potentially essential to normative deliverables may have been declared to ETSI. The declarations pertaining to these essential IPRs, if any, are publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: "*Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards*", which is available from the ETSI Secretariat. Latest updates are available on the [ETSI IPR online database](#).

Pursuant to the ETSI Directives including the ETSI IPR Policy, no investigation regarding the essentiality of IPRs, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

Trademarks

The present document may include trademarks and/or tradenames which are asserted and/or registered by their owners. ETSI claims no ownership of these except for any which are indicated as being the property of ETSI, and conveys no right to use or reproduce any trademark and/or tradename. Mention of those trademarks in the present document does not constitute an endorsement by ETSI of products, services or organizations associated with those trademarks.

DECT™, **PLUGTESTS™**, **UMTS™** and the ETSI logo are trademarks of ETSI registered for the benefit of its Members. **3GPP™**, **LTE™** and **5G™** logo are trademarks of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners. **oneM2M™** logo is a trademark of ETSI registered for the benefit of its Members and of the oneM2M Partners. **GSM®** and the GSM logo are trademarks registered and owned by the GSM Association.

Legal Notice

This Technical Specification (TS) has been produced by ETSI 3rd Generation Partnership Project (3GPP).

The present document may refer to technical specifications or reports using their 3GPP identities. These shall be interpreted as being references to the corresponding ETSI deliverables.

The cross reference between 3GPP and ETSI identities can be found at [3GPP to ETSI numbering cross-referencing](#).

Modal verbs terminology

In the present document "**shall**", "**shall not**", "**should**", "**should not**", "**may**", "**need not**", "**will**", "**will not**", "**can**" and "**cannot**" are to be interpreted as described in clause 3.2 of the [ETSI Drafting Rules](#) (Verbal forms for the expression of provisions).

"**must**" and "**must not**" are **NOT** allowed in ETSI deliverables except when used in direct citation.

Contents

Intellectual Property Rights	2
Legal Notice	2
Modal verbs terminology.....	2
Foreword.....	7
1 Scope	8
2 References	8
3 Definitions and abbreviations.....	9
3.1 Definitions	9
3.2 Abbreviations	9
4 Overview	9
5 Usage of Nudr_DataRepository Service API for Policy Data.....	9
5.1 Introduction	9
5.2 Resources	9
5.2.1 Overview	9
5.2.2 Resource Structure.....	10
5.2.3 Resource: AccessAndMobilityPolicyData.....	11
5.2.3.1 Description	11
5.2.3.2 Resource definition	12
5.2.3.3 Resource Standard Methods.....	12
5.2.3.3.1 GET	12
5.2.4 Resource: UEPolicySet.....	12
5.2.4.1 Description	12
5.2.4.2 Resource definition	12
5.2.4.3 Resource Standard Methods.....	13
5.2.4.3.1 PUT	13
5.2.4.3.2 PATCH.....	13
5.2.4.3.3 GET	14
5.2.5 Resource: SessionManagementPolicyData.....	14
5.2.5.1 Description	14
5.2.5.2 Resource definition	14
5.2.5.3 Resource Standard Methods.....	15
5.2.5.3.1 GET	15
5.2.5.3.2 PATCH.....	15
5.2.6 Resource: UsageMonitoringInformation	16
5.2.6.1 Description	16
5.2.6.2 Resource definition	16
5.2.6.3 Resource Standard Methods.....	16
5.2.6.3.1 PUT	16
5.2.6.3.2 DELETE.....	16
5.2.6.3.3 GET	17
5.2.7 Resource: SponsorConnectivityData	17
5.2.7.1 Description	17
5.2.7.2 Resource definition	18
5.2.7.3 Resource Standard Methods.....	18
5.2.7.3.1 GET	18
5.2.8 Resource: BdtData	18
5.2.8.1 Description	18
5.2.8.2 Resource definition	18
5.2.8.3 Resource Standard Methods.....	19
5.2.8.3.1 GET	19
5.2.9 Resource: IndividualBdtData.....	19
5.2.9.1 Description	19
5.2.9.2 Resource definition	19

5.2.9.3	Resource Standard Methods.....	20
5.2.9.3.1	GET	20
5.2.9.3.2	PUT	20
5.2.9.3.3	DELETE	21
5.2.10	Resource: PolicyDataSubscriptions	21
5.2.10.1	Description	21
5.2.10.2	Resource definition	21
5.2.10.3	Resource Standard Methods.....	21
5.2.10.3.1	POST	21
5.2.11	Resource: IndividualPolicyDataSubscription	22
5.2.11.1	Description	22
5.2.11.2	Resource definition	22
5.2.11.3	Resource Standard Methods.....	22
5.2.11.3.1	PUT	22
5.2.11.3.2	DELETE	23
5.2.12	Resource: OperatorSpecificData.....	23
5.2.12.1	Description	23
5.2.12.2	Resource Definition	23
5.2.12.3	Resource Standard Methods.....	24
5.2.12.3.1	GET	24
5.2.12.3.2	PATCH.....	24
5.2.12.3.3	PUT	25
5.2.13	Resource: PlmnUePolicySet	25
5.2.13.1	Description	25
5.2.13.2	Resource definition	26
5.2.13.3	Resource Standard Methods.....	26
5.2.13.3.1	GET	26
5.3	Notifications	26
5.3.1	General.....	26
5.3.2	Policy Data Change Notification	26
5.4	Data Model.....	27
5.4.1	General.....	27
5.4.2	Structured data types.....	29
5.4.2.1	Introduction.....	29
5.4.2.2	Type AmPolicyData	29
5.4.2.3	Type UePolicySection.....	30
5.4.2.4	Type UePolicySet	30
5.4.2.5	Type SmPolicyData	30
5.4.2.6	Type UsageMonDataLimit.....	31
5.4.2.7	Type UsageMonData	31
5.4.2.8	Type SponsorConnectivityData	32
5.4.2.9	Type BdtData	32
5.4.2.10	Type PolicyDataSubscription.....	32
5.4.2.11	Type PolicyDataChangeNotification	33
5.4.2.12	Type TimePeriod.....	35
5.4.2.13	Type UsageMonDataScope.....	35
5.4.2.14	Type SmPolicySnssaiData	35
5.4.2.15	Type SmPolicyDnnData.....	36
5.4.2.16	Type LimitIdToMonitoringKey	37
5.4.2.17	Type UePolicySetPatch.....	37
5.4.2.18	Type PlmnRouteSelectionDescriptor	37
5.4.2.19	Type SnssaiRouteSelectionDescriptor	37
5.4.2.20	Type DnnRouteSelectionDescriptor.....	37
5.4.3	Simple data types and enumerations	38
5.4.3.1	Introduction	38
5.4.3.2	Simple data types	38
5.4.3.3	Enumeration: UsageMonLevel	38
5.4.3.4	Enumeration: Periodicity	38
5.5	Error handling	38
5.5.1	General.....	38
5.5.2	Protocol Errors.....	39
5.5.3	Application Errors	39

5.6	Feature negotiation	39
6	Usage of Nudr_DataRepository Service API for Application Data	39
6.1	Introduction	39
6.2	Resources	39
6.2.1	Overview	39
6.2.2	Resource Structure	40
6.2.3	Resource: PFD Data	41
6.2.3.1	Description	41
6.2.3.2	Resource definition	41
6.2.3.3	Resource Standard Methods	42
6.2.3.3.1	GET	42
6.2.4	Resource: Individual PFD Data	42
6.2.4.1	Description	42
6.2.4.2	Resource definition	42
6.2.4.3	Resource Standard Methods	42
6.2.4.3.1	GET	42
6.2.4.3.2	DELETE	43
6.2.4.3.3	PUT	43
6.2.5	Resource: Influence Data	44
6.2.5.1	Description	44
6.2.5.2	Resource definition	44
6.2.5.3	Resource Standard Methods	44
6.2.5.3.1	GET	44
6.2.6	Resource: Individual Influence Data	45
6.2.6.1	Description	45
6.2.6.2	Resource definition	45
6.2.6.3	Resource Standard Methods	45
6.2.6.3.1	PUT	45
6.2.6.3.2	PATCH	46
6.2.6.3.3	DELETE	46
6.2.7	Resource: Influence Data Subscription	47
6.2.7.1	Description	47
6.2.7.2	Resource definition	47
6.2.7.3	Resource Standard Methods	47
6.2.7.3.1	POST	47
6.2.7.3.2	GET	48
6.2.8	Resource: Individual Influence Data Subscription	48
6.2.8.1	Description	48
6.2.8.2	Resource definition	48
6.2.8.3	Resource Standard Methods	48
6.2.8.3.1	GET	48
6.2.8.3.2	PUT	49
6.2.8.3.3	DELETE	49
6.3	Notifications	50
6.3.1	General	50
6.3.2	Void	50
6.3.3	Influence Data Update Notification	50
6.3.3.1	Description	50
6.3.3.2	Operation Definition	50
6.4	Data Model	51
6.4.1	General	51
6.4.2	Structured data types	52
6.4.2.1	Introduction	52
6.4.2.2	Type TrafficInfluData	52
6.4.2.5	Void	54
6.5	Error handling	54
6.5.1	General	54
6.5.2	Protocol Errors	54
6.5.3	Application Errors	55
6.6	Feature negotiation	55

7	Usage of Nudr_DataRepository Service API for Structured Data for Exposure.....	55
7.1	Introduction	55
7.2	Resources	55
7.2.1	Overview	55
7.2.2	Resource Structure	56
7.2.3	Resource: AccessAndMobilityData	57
7.2.3.1	Description	57
7.2.3.2	Resource definition	57
7.2.3.3	Resource Standard Methods.....	57
7.2.3.3.1	PUT	57
7.2.3.3.2	GET	58
7.2.3.3.3	DELETE.....	58
7.2.4	Resource: PduSessionManagementData.....	58
7.2.4.1	Description	58
7.2.4.2	Resource definition	59
7.2.4.3	Resource Standard Methods.....	59
7.2.4.3.1	PUT	59
7.2.4.3.2	GET	59
7.2.4.3.3	DELETE.....	60
7.2.5	Resource: ExposureDataSubscriptions	61
7.2.5.1	Description	61
7.2.5.2	Resource Definition	61
7.2.5.3	Resource Standard Methods.....	61
7.2.5.3.1	POST	61
7.2.6	Resource: IndividualExposureDataSubscription	61
7.2.6.1	Description	61
7.2.6.2	Resource Definition	62
7.2.6.3	Resource Standard Methods.....	62
7.2.6.3.1	PUT	62
7.2.6.3.2	DELETE.....	62
7.3	Data Model.....	63
7.3.1	General.....	63
7.3.2	Structured data types.....	64
7.3.2.1	Introduction	64
7.3.2.2	Type AccessAndMobilityData	65
7.3.2.3	Type PduSessionManagementData.....	66
7.3.2.4	Type ExposureDataSubscription.....	66
7.3.2.5	Type ExposureDataChangeNotification.....	67
7.3.3	Simple data types and enumerations.....	67
7.3.3.1	Introduction.....	67
7.3.3.2	Simple data types	67
7.3.3.3	Enumeration: PduSessionStatus	67
7.4	Error handling	67
7.4.1	General.....	67
7.4.2	Protocol Errors.....	68
7.4.3	Application Errors	68
7.5	Feature negotiation	68
7.6	Notifications	68
7.6.1	General.....	68
7.6.2	Exposure Data Change Notification	68
Annex A (normative): OpenAPI specification		70
A.1	General	70
A.2	Nudr_DataRepository API for Policy Data.....	70
A.3	Nudr_DataRepository API for Application Data	87
A.4	Nudr_DataRepository API for Exposure Data	98
Annex B (informative): Change history		108
History		111

Foreword

This Technical Specification has been produced by the 3rd Generation Partnership Project (3GPP).

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

Version x.y.z

where:

- x the first digit:
 - 1 presented to TSG for information;
 - 2 presented to TSG for approval;
 - 3 or greater indicates TSG approved document under change control.
- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
- z the third digit is incremented when editorial only changes have been incorporated in the document.

Sample Document

get full document from standards.iteh.ai

1 Scope

The present specification provides the stage 3 definition for the usage of the Unified Data Repository service (Nudr_DataRepository) of 5G System for Policy Data, Application Data and Structured Data for Exposure.

The Unified Data Repository (UDR) provides the Unified Data Repository service. This service provides a repository for policy data, application data and exposure data.

The stage 3 protocol definition for Nudr Service Based Interface which is common for subscription data, policy data, application data and exposure data is specified in 3GPP TS 29.504 [6].

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] Void.
- [3] OpenAPI: "OpenAPI 3.0.0 Specification", <https://github.com/OAI/OpenAPI-Specification/blob/master/versions/3.0.0.md>.
- [4] 3GPP TS 29.500: "5G System; Technical Realization of Service Based Architecture; Stage 3".
- [5] 3GPP TS 29.501: "5G System; Principles and Guidelines for Services Definition; Stage 3".
- [6] 3GPP TS 29.504: "5G System; Unified Data Repository Services; Stage 3".
- [7] 3GPP TS 29.571: "5G System; Common Data Types for Service Based Interfaces Stage 3".
- [8] 3GPP TS 29.551: "5G System; Packet Flow Description Management Service; Stage 3".
- [9] 3GPP TS 29.122: "T8 reference point for Northbound APIs".
- [10] 3GPP TS 29.518: "5G System; Access and Mobility Management Services; Stage 3".
- [11] 3GPP TS 24.501: "Non-Access-Stratum (NAS) protocol for 5G System (5GS); Stage 3".
- [12] 3GPP TS 29.512: "5G System; Session Management Policy Control Service; Stage 3".
- [13] 3GPP TS 29.554: "5G System; Background Data Transfer Policy Control Service; Stage 3".
- [14] Void.
- [15] 3GPP TS 29.505: "5G System; Usage of the Unified Data Repository services for Subscription Data; Stage 3".
- [16] 3GPP TS 29.514: "5G System; Policy Authorization Service; Stage 3".
- [17] IETF RFC 4122: "A Universally Unique Identifier (UUID) URN Namespace".
- [18] 3GPP TR 21.900: "Technical Specification Group working methods".
- [19] 3GPP TS 29.522: "5G System; Network Exposure Function Northbound APIs; Stage 3".

3 Definitions and abbreviations

3.1 Definitions

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

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].

AM	Access and Mobility Management
BDT	Background Data Transfer
DNAI	DN Access Identifier
DNN	Data Network Name
GPSI	Generic Public Subscription Identifier
JSON	JavaScript Object Notation
NEF	Network Exposure Function
NR	New Radio
NRF	Network Repository Function
PCF	Policy Control Function
PF	Packet Flow Description
SM	Session Management
S-NSSAI	Single Network Slice Selection Assistance Information
SUPI	Subscription Permanent Identifier
UDR	Unified Data Repository
UPSI	UE Policy Section Identifier

4 Overview

The resources, data model and usage defined in the present document are used by the NFs (e.g. PCF, NEF) to access the policy data, application data or exposure data via the Unified Data Repository services as specified in 3GPP TS 29.504 [6].

5 Usage of Nudr_DataRepository Service API for Policy Data

5.1 Introduction

The following subclauses specify the usage of Nudr_DataRepository service for policy data. The principles specified in 3GPP TS 29.504 [6] are followed unless explicitly specified otherwise in the following subclauses.

5.2 Resources

5.2.1 Overview

This clause specifies the resources for the usage of the Unified Data Repository service for Policy Data.

5.2.2 Resource Structure

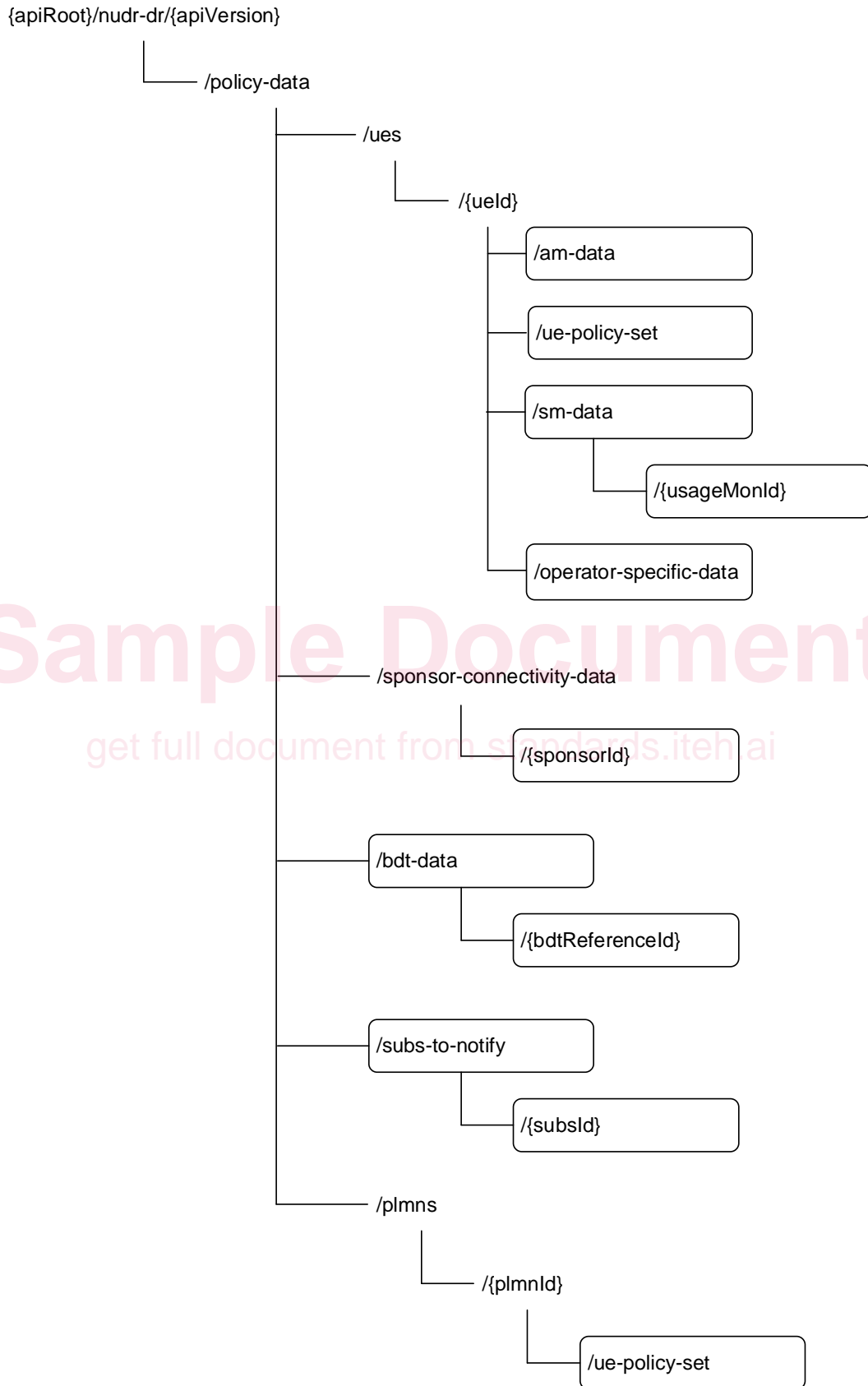


Figure 5.2.2-1: Resource URI structure of the Nudr_DataRepository API for policy data

Table 5.2.2-1 provides an overview of the resources and applicable HTTP methods.

Table 5.2.2-1: Resources and methods overview

Resource name	Resource URI	HTTP method or custom operation	Description
AccessAndMobilityPolicyData	{apiRoot}/nudr-dr/{apiVersion}/policy-data/ues/{ueId}/am-data	GET	Retrieves the access and mobility policy data for a subscriber.
UEPolicySet	{apiRoot}/nudr-dr/{apiVersion}/policy-data/ues/{ueId}/ue-policy-set	GET	Retrieves the UE policy set data for a subscriber.
		PUT	Create or modify the UE policy set data for a subscriber.
		PATCH	Modify the UE policy set data for a subscriber.
SessionManagementPolicyData	{apiRoot}/nudr-dr/{apiVersion}/policy-data/ues/{ueId}/sm-data	GET	Retrieves the session management policy data for a subscriber.
UsageMonitoringInformation	{apiRoot}/nudr-dr/{apiVersion}/policy-data/ues/{ueId}/sm-data/{usageMonId}	GET	Retrieve a usage monitoring resource.
		PUT	Create a usage monitoring resource.
		DELETE	Delete a usage monitoring resource.
OperatorSpecificData	{apiRoot}/nudr-dr/{apiVersion}/policy-data/ues/{ueId}/operator-specific-data	GET	Retrieve the operator specific policy data of an UE
		PATCH	Modify the operator specific policy data of an UE.
		PUT	Modify the operator specific policy data of an UE.
SponsorConnectivityData	{apiRoot}/nudr-dr/{apiVersion}/policy-data/sponsor-connectivity-data/{sponsorId}	GET	Retrieves the sponsored connectivity information for a given sponsorId.
BdtData	{apiRoot}/nudr-dr/{apiVersion}/policy-data/bdt-data	GET	Retrieves the BDT data collection.
IndividualBdtData	{apiRoot}/nudr-dr/{apiVersion}/policy-data/bdt-data/{bdtReferenceId}	GET	Retrieves the BDT data information associated with a BDT reference Id.
		PUT	Creates an BDT data resource associated with an BDT reference Id.
		DELETE	Deletes an BDT data resource associated with an BDT reference Id.
PolicyDataSubscriptions	{apiRoot}/nudr-dr/{apiVersion}/policy-data/subs-to-notify	POST	Create a subscription to receive notification of policy data changes.
IndividualPolicyDataSubscription	{apiRoot}/nudr-dr/{apiVersion}/policy-data/subs-to-notify/{subId}	PUT	Modify a subscription to receive notification of policy data changes.
		DELETE	Delete the subscription identified by {subId}.
PlmnUePolicySet	{apiRoot}/nudr-dr/{apiVersion}/policy-data/plmns/{plmnId}/ue-policy-set	GET	Retrieve the UE policy set data for a H-PLMN.

5.2.3 Resource: AccessAndMobilityPolicyData

5.2.3.1 Description

The resource represents all UE related mobility and access policies attributes in the UDR for a given "ueId".

5.2.3.2 Resource definition

Resource URI: {apiRoot}/nudr-dr/{apiVersion}/policy-data/ues/{ueId}/am-data

This resource shall support the resource URI variables defined in table 5.2.3.2-1.

Table 5.2.3.2-1: Resource URI variables for this resource

Name	Definition
apiRoot	See 3GPP TS 29.504 [6] subclause 6.1.1
apiVersion	See 3GPP TS 29.504 [6] subclause 6.1.1.
ueId	Represents the Subscription Identifier SUPI or GPSI, see the data type VarUeId as defined in 3GPP TS 29.571 [7].

5.2.3.3 Resource Standard Methods

5.2.3.3.1 GET

This method shall support the URI query parameters specified in table 5.2.3.3.1-1.

Table 5.2.3.3.1-1: 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 5.2.3.3.1-2 and the response data structures and response codes specified in table 5.2.3.3.1-3.

Table 5.2.3.3.1-2: Data structures supported by the GET Request Body on this resource

Data type	P	Cardinality	Description
n/a			

Table 5.2.3.3.1-3: Data structures supported by the GET Response Body on this resource

Data type	P	Cardinality	Response codes	Description
AmPolicyData	M	1	200 OK	Upon success, a response body containing access and mobility policies shall be returned.
NOTE: The mandatory HTTP error status codes for the GET method listed in table 5.2.7.1-1 of 3GPP TS 29.500 [4] also apply.				

5.2.4 Resource: UEPolicySet

5.2.4.1 Description

The resource represents UE policy set for a given "ueId" stored in the UDR of the H-PLMN.

5.2.4.2 Resource definition

Resource URI: {apiRoot}/nudr-dr/{apiVersion}/policy-data/ues/{ueId}/ue-policy-set

This resource shall support the resource URI variables defined in table 5.2.4.2-1.

Table 5.2.4.2-1: Resource URI variables for this resource

Name	Definition
apiRoot	See 3GPP TS 29.504 [6] subclause 6.1.1
apiVersion	See 3GPP TS 29.504 [6] subclause 6.1.1.
ueld	Represents the Subscription Identifier SUPI or GPSI, see the data type VarUeld as defined in 3GPP TS 29.571 [7].

5.2.4.3 Resource Standard Methods

5.2.4.3.1 PUT

This method shall support the URI query parameters specified in table 5.2.4.3.1-1.

Table 5.2.4.3.1-1: URI query parameters supported by the PUT method on this resource

Name	Data type	P	Cardinality	Description
n/a				

This method shall support the request data structures specified in table 5.2.4.3.1-2 and the response data structures and response codes specified in table 5.2.4.3.1-3.

Table 5.2.4.3.1-2: Data structures supported by the PUT Request Body on this resource

Data type	P	Cardinality	Description
UePolicySet	M	1	Create or modify the UE policy set resource for a given subscriber.

Table 5.2.4.3.1-3: Data structures supported by the PUT Response Body on this resource

Data type	P	Cardinality	Response codes	Description
UePolicySet	M	1	201 Created	Successful case. The resource has been successfully created and a response body containing a representation of the created UePolicySet resource shall be returned.
UePolicySet	M	1	200 OK	Successful case. The resource has been successfully updated and a response body containing UE policies shall be returned.
n/a			204 No Content	Successful case. The resource has been successfully updated and no additional content is to be sent in the response message.

NOTE: 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.

5.2.4.3.2 PATCH

This method shall support the URI query parameters specified in table 5.2.4.3.2-1.

Table 5.2.4.3.2-1: URI query parameters supported by the PATCH method on this resource

Name	Data type	P	Cardinality	Description
n/a				

This method shall support the request data structures specified in table 5.2.4.3.2-2 and the response data structures and response codes specified in table 5.2.4.3.2-3.

Table 5.2.4.3.2-2: Data structures supported by the PATCH Request Body on this resource

Data type	P	Cardinality	Description
UePolicySetPatch	M	1	Modify the UE policy set resource for a given subscriber.

Table 5.2.4.3.2-3: Data structures supported by the PATCH Response Body on this resource

Data type	P	Cardinality	Response codes	Description
n/a			204 No Content	Successful case. The resource has been successfully updated and no additional content is to be sent in the response message.
NOTE: The mandatory HTTP error status codes for the PATCH method listed in table 5.2.7.1-1 of 3GPP TS 29.500 [4] also apply.				

5.2.4.3.3 GET

This method shall support the URI query parameters specified in table 5.2.4.3.3-1.

Table 5.2.4.3.3-1: 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 5.2.4.3.3-2 and the response data structures and response codes specified in table 5.2.4.3.3-3.

Table 5.2.4.3.3-2: Data structures supported by the GET Request Body on this resource

Data type	P	Cardinality	Description
n/a			

Table 5.2.4.3.3-3: Data structures supported by the GET Response Body on this resource

Data type	P	Cardinality	Response codes	Description
UePolicySet	M	1	200 OK	Upon success, a response body containing the UE policies shall be returned.
NOTE: The mandatory HTTP error status codes for the GET method listed in table 5.2.7.1-1 of 3GPP TS 29.500 [4] also apply.				

5.2.5 Resource: SessionManagementPolicyData

5.2.5.1 Description

The resource represents all PDU session related subscription attributes in the UDR for a given ueId.

5.2.5.2 Resource definition

Resource URI: **{apiRoot}/nudr-dr/{apiVersion}/policy-data/ues/{ueId}/sm-data**

This resource shall support the resource URI variables defined in table 5.2.5.2-1.