



Subscription_Data

The data model and usage of the subscription data is specified in 3GPP TS 29.505 [2].

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OpenAPI

OpenAPI Version: 3.0.0

info

Version: '-'

Title: 'Unified Data Repository Service API file for subscription data'

Description: 'The API version is defined in 3GPP TS 29.504'

externalDocs

Description: 3GPP TS 29.505 V15.2.0; 5G System; Usage of the Unified Data Repository services for Subscription Data; Stage 3

URL: 'http://www.3gpp.org/ftp/Specs/archive/29_series/29.505/'

paths

/subscription-data/{ueld}/authentication-data/authentication-subscription

get:

Summary: Retrieves the authentication subscription data of a UE

Operation ID: QueryAuthSubsData

Tags:

- Authentication Data (Document)

Parameters:

- name: ueId

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: supported-features

In: query

Description: Supported Features

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/AuthenticationSubscription'

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

patch:

Summary: modify the authentication subscription data of a UE

Operation ID: ModifyAuthentication

Tags:

- Authentication Data (Document)

Parameters:

- name: ueId

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

Request Body:

Content:

application/json-patch+json:

Schema:

Type: array

items:

Reference: 'TS29571_CommonData.yaml#/components/schemas/PatchItem'

Required/Optional: true

Responses:

'204' Expected response to a valid request

'403' modification is rejected

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

/subscription-data/{ueId}/authentication-data/authentication-status

put:

Summary: To store the Authentication Status data of a UE

Operation ID: CreateAuthenticationStatus

Tags:

- Authentication Status (Document)

Parameters:

- name: ueId

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

Request Body:

Content:

Application/JSON:

Schema:

Reference: 'TS29503_Nudm_UEAU.yaml#/components/schemas/AuthEvent'

Responses:

'204' Upon success, an empty response body shall be returned

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

get:

Summary: Retrieves the Authentication Status of a UE

Operation ID: QueryAuthenticationStatus

Tags:

- AuthEvent (Document)

Parameters:

- name: ueId

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: fields

In: query

Description: attributes to be retrieved

Required/Optional: false

Schema:

Type: array

items:

Type: string

minItems: 1

style: form

explode: false

- name: supportedFeatures

Description: Supported Features

In: query

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: 'TS29503_Nudm_UEAU.yaml#/components/schemas/AuthEvent'

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

/subscription-data/{ueId}/ue-update-confirmation-data/sor-data

put:

Summary: To store the SoR acknowledgement information of a UE

Operation ID: CreateAuthenticationSoR

Tags:

- Authentication SoR (Document)

Parameters:

- name: ueId

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: supported-features

In: query

Description: Supported Features

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

Request Body:

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SorData'

Responses:

'204' Expected response to a valid request

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

get:

Summary: Retrieves the SoR acknowledgement information of a UE

Operation ID: QueryAuthSoR

Tags:

- Authentication SoR (Document)

Parameters:

- name: ueId

In: path

Description: UE id

Required/Optional: true

Schema:**Reference:** 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: supportedFeatures

In: query**Description:** Supported Features**Schema:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'**Responses:**

'200' Expected response to a valid request

Content:**Application/JSON:****Schema:****Reference:** '#/components/schemas/SorData'**default:****Description:** Unexpected error**Content:**

application/problem+json:

Schema:**Reference:** 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

/subscription-data/{ueId}/{servingPlmnId}/provisioned-data

get:**Summary:** Retrieve multiple provisioned data sets of a UE**Operation ID:** QueryProvisionedData**Tags:**

- Provisioned Data (Document)

Parameters:

- name: ueId

In: path**Description:** UE id**Required/Optional:** true**Schema:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: servingPlmnId

In: path

Description: PLMN ID

Required/Optional: true

Schema:

Reference: '#/components/schemas/VarPlmnId'

- name: dataset-names

In: query

Description: List of dataset names

Schema:

Reference: '#/components/schemas/DatasetNames'

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/ProvisionedDataSets'

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

/subscription-data/{ueld}/{servingPlmnId}/provisioned-data/am-data

get:

Summary: Retrieves the access and mobility subscription data of a UE

Operation ID: QueryAmData

Tags:

- Access And Mobility Subscription Data (Document)

Parameters:

- name: ueld

In: path

Description: UE id

Required/Optional: true

Schema:**Reference:** 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: servingPlmnId

In: path**Description:** PLMN ID**Required/Optional:** true**Schema:****Reference:** '#/components/schemas/VarPlmnId'

- name: fields

In: query**Description:** attributes to be retrieved**Required/Optional:** false**Schema:****Type:** array**items:****Type:** string**minItems:** 1**style:** form**explode:** false

- name: supported-features

In: query**Description:** Supported Features**Schema:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

- name: If-None-Match

In: header**Description:** Validator for conditional requests, as described in RFC 7232, 3.2**Schema:****Type:** string

- name: If-Modified-Since

In: header**Description:** Validator for conditional requests, as described in RFC 7232, 3.3**Schema:****Type:** string

Responses:

'200' Expected response to a valid request

Content:**Application/JSON:****Schema:**

Reference: '#/components/schemas/AccessAndMobilitySubscriptionData'

Headers:**Cache-Control:**

Description: Cache-Control containing max-age, as described in RFC 7234, 5.2

Schema:

Type: string

ETag:

Description: Entity Tag, containing a strong validator, as described in RFC 7232, 2.3

Schema:

Type: string

Last-Modified:

Description: Timestamp for last modification of the resource, as described in RFC 7232, 2.2

Schema:

Type: string

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

/subscription-data/{ueld}/{servingPlmnId}/provisioned-data/smf-selection-subscript**get:**

Summary: Retrieves the SMF selection subscription data of a UE

Operation ID: QuerySmfSelectData

Tags:

- SMF Selection Subscription Data (Document)

Parameters:

- name: ueld

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: servingPlmnId

In: path

Description: PLMN ID

Required/Optional: true

Schema:

Reference: '#/components/schemas/VarPlmnId'

- name: fields

In: query

Description: attributes to be retrieved

Required/Optional: false

Schema:

Type: array

items:

Type: string

minItems: 1

style: form

explode: false

- name: supported-features

In: query

Description: Supported Features

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

- name: If-None-Match

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.2

Schema:

Type: string

- name: If-Modified-Since

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.3

Schema:

Type: string

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SmfSelectionSubscriptionData'

Headers:

Cache-Control:

Description: Cache-Control containing max-age, as described in RFC 7234, 5.2

Schema:

Type: string

ETag:

Description: Entity Tag, containing a strong validator, as described in RFC 7232, 2.3

Schema:

Type: string

Last-Modified:

Description: Timestamp for last modification of the resource, as described in RFC 7232, 2.2

Schema:

Type: string

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

/subscription-data/{ueld}/{servingPlmnId}/provisioned-data/sm-data

get:

Summary: Retrieves the Session Management subscription data of a UE

Operation ID: QuerySmData

Tags:

- Session Management Subscription Data

Parameters:

- name: ueId

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: servingPlmnId

In: path

Description: PLMN ID

Required/Optional: true

Schema:

Reference: '#/components/schemas/VarPlmnId'

- name: single-nssai

In: query

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/VarSnsai'

Description: single NSSAI

Required/Optional: false

- name: dnn

In: query

Description: DNN

Required/Optional: false

Schema:

Reference: '#/components/schemas/Dnn'

- name: fields

In: query

Description: attributes to be retrieved

Required/Optional: false

Schema:

Type: array

items:**Type:** string**minItems:** 1**style:** form**explode:** false

- name: supported-features

In: query**Description:** Supported Features**Schema:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

- name: If-None-Match

In: header**Description:** Validator for conditional requests, as described in RFC 7232, 3.2**Schema:****Type:** string

- name: If-Modified-Since

In: header**Description:** Validator for conditional requests, as described in RFC 7232, 3.3**Schema:****Type:** string**Responses:**

'200' Expected response to a valid request

Content:**Application/JSON:****Schema:****Type:** array**items:****Reference:** '#/components/schemas/SessionManagementSubscriptionData'**minItems:** 1**Headers:****Cache-Control:****Description:** Cache-Control containing max-age, as described in RFC 7234, 5.2**Schema:****Type:** string

ETag:

Description: Entity Tag, containing a strong validator, as described in RFC 7232, 2.3

Schema:

Type: string

Last-Modified:

Description: Timestamp for last modification of the resource, as described in RFC 7232, 2.2

Schema:

Type: string

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

/subscription-data/{ueId}/context-data/amf-3gpp-access

get:

Summary: Retrieves the AMF context data of a UE using 3gpp access

Operation ID: QueryAmfContext3gpp

Tags:

- AMF 3GPP Access Registration (Document)

Parameters:

- name: ueId

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: fields

In: query

Description: attributes to be retrieved

Required/Optional: false

Schema:

Type: array

items:**Type:** string**minItems:** 1**style:** form**explode:** false**- name:** supported-features**In:** query**Description:** Supported Features**Schema:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'**Responses:**

'200' Expected response to a valid request

Content:**Application/JSON:****Schema:****Reference:** '#/components/schemas/Amf3GppAccessRegistration'**default:****Description:** Unexpected error**Content:**

application/problem+json:

Schema:**Reference:** 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'**put:****Summary:** To store the AMF context data of a UE using 3gpp access in the UDR**Operation ID:** CreateAmfContext3gpp**Tags:****- AMF 3GPP Access Registration (Document)****Parameters:****- name:** ueId**In:** path**Description:** UE id**Required/Optional:** true**Schema:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

Request Body:**Content:****Application/JSON:****Schema:****Reference:** '#/components/schemas/Amf3GppAccessRegistration'**Responses:**

'204' Upon success, an empty response body shall be returned

default:**Description:** Unexpected error**Content:**

application/problem+json:

Schema:**Reference:** 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'**patch:****Summary:** To modify the AMF context data of a UE using 3gpp access in the UDR**Operation ID:** AmfContext3gpp**Tags:**

- AMF 3GPP Access Registration (Document)

Parameters:

- name: ueId

In: path**Description:** UE id**Required/Optional:** true**Schema:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/VarUeId'**Request Body:****Content:**

application/json-patch+json:

Schema:**Type:** array**items:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/PatchItem'**Required/Optional:** true**Responses:**

'204' Expected response to a valid request

'403' modification is rejected

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

/subscription-data/{ueId}/context-data/amf-non-3gpp-access

get:

Summary: Retrieves the AMF context data of a UE using non-3gpp access

Operation ID: QueryAmfContextNon3gpp

Tags:

- AMF Non-3GPP Access Registration (Document)

Parameters:

- name: ueId

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: fields

In: query

Description: attributes to be retrieved

Required/Optional: false

Schema:

Type: array

items:

Type: string

minItems: 1

style: form

explode: false

- name: supported-features

In: query

Description: Supported Features

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/AmfNon3GppAccessRegistration'

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

put:

Summary: To store the AMF context data of a UE using non-3gpp access in the UDR

Operation ID: CreateAmfContextNon3gpp

Tags:

- AMF Non-3GPP Access Registration (Document)

Parameters:

- name: ueId

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

Request Body:

Content:

Application/JSON:**Schema:****Reference:** '#/components/schemas/AmfNon3GppAccessRegistration'**Responses:**

'204' Upon success, an empty response body shall be returned

default:**Description:** Unexpected error**Content:**

application/problem+json:

Schema:**Reference:** 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'**patch:****Summary:** To modify the AMF context data of a UE using non 3gpp access in the UDR**Operation ID:** AmfContextNon3gpp**Tags:**

- AMF Non-3GPP Access Registration (Document)

Parameters:

- name: ueId

In: path**Description:** UE id**Required/Optional:** true**Schema:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/VarUeId'**Request Body:****Content:**

application/json-patch+json:

Schema:**Type:** array**items:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/PatchItem'**Required/Optional:** true**Responses:**

'204' Expected response to a valid request

'403' modification is rejected

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

/subscription-data/{ueId}/context-data/smf-registrations

get:

Summary: Retrieves the SMF registration list of a UE

Operation ID: QuerySmfRegList

Tags:

- SMF Registrations (Collection)

Parameters:

- name: ueId

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: supported-features

In: query

Description: Supported Features

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SmfRegList'

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

/subscription-data/{ueId}/context-data/smf-registrations/{pduSessionId}

get:

Summary: Retrieves the individual SMF registration of a UE

Operation ID: QuerySmfRegistration

Tags:

- SMF Registration (Document)

Parameters:

- name: ueId

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: pduSessionId

In: path

Description: PDU session id

Required/Optional: true

Schema:

Type: string

- name: fields

In: query

Description: attributes to be retrieved

Required/Optional: false

Schema:

Type: array

items:

Type: string

minItems: 1

style: form

explode: false

- name: supported-features

In: query

Description: Supported Features

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SmfRegistration'

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

put:

Summary: To create an individual SMF context data of a UE in the UDR

Operation ID: CreateSmfContextNon3gpp

Tags:

- SMF Registration (Document)

Parameters:

- name: ueId

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: pduSessionId

In: path

Description: PDU session id

Required/Optional: true

Schema:

Type: integer

Request Body:

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SmfRegistration'

Responses:

'201' Upon success, a response body containing a representation of the created Individual SmfRegistration resource shall be returned

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

Headers:

Location:

Description: 'Contains the URI of the newly created resource, according to the structure:
{apiRoot}/nsmf-pdusession/v1/smf-contexts/{smContextRef}/subscription-data/{ueId}/context-data/smf-registrations/{pduSessionId}'

Required/Optional: true

Schema:

Type: string

delete:

Summary: To remove an individual SMF context data of a UE the UDR

Operation ID: DeleteSmfContext

Tags:

- SMF Registration (Document)

Parameters:

- name: ueId

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: pduSessionId

In: path

Description: PDU session id

Required/Optional: true

Schema:

Type: string

Responses:

'204' Upon success, an empty response body shall be returned.

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

/subscription-data/{ueId}/operator-specific-data

get:

Summary: Retrieves the operator specific data of a UE

Operation ID: QueryOperSpecData

Tags:

- Operator-Specific Data Container (Document)

Parameters:

- name: ueId

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: fields

In: query

Description: attributes to be retrieved

Required/Optional: false

Schema:

Type: array

items:

Type: string

minItems: 1

style: form

explode: false

- name: supported-features

In: query

Description: Supported Features

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

- name: If-None-Match

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.2

Schema:

Type: string

- name: If-Modified-Since

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.3

Schema:

Type: string

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/OperatorSpecificDataContainer'

Headers:

Cache-Control:

Description: Cache-Control containing max-age, as described in RFC 7234, 5.2

Schema:

Type: string

ETag:

Description: Entity Tag, containing a strong validator, as described in RFC 7232, 2.3

Schema:

Type: string

Last-Modified:

Description: Timestamp for last modification of the resource, as described in RFC 7232, 2.2

Schema:

Type: string

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

patch:

Summary: To modify operator specific data of a UE

Operation ID: AmfContext3gpp

Tags:

- Operator-Specific Data Container (Document)

Parameters:

- name: ueId

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

Request Body:**Content:**

application/json-patch+json:

Schema:

Type: array

items:

Reference: 'TS29571_CommonData.yaml#/components/schemas/PatchItem'

Required/Optional: true

Responses:

'204' Expected response to a valid request

'403' modification is rejected

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

/subscription-data/{ueId}/context-data/smsf-3gpp-access

put:

Summary: Create the SMSF context data of a UE via 3GPP access

Operation ID: CreateSmsfContext3gpp

Tags:

- SMSF 3GPP Registration (Document)

Parameters:

- name: ueId

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

Request Body:**Content:**

Application/JSON:

Schema:

Reference: '#/components/schemas/SmsfRegistration'

Responses:

'204' Upon success, an empty response body shall be returned

default:**Description:** Unexpected error**Content:**

application/problem+json:

Schema:**Reference:** 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'**delete:****Summary:** To remove the SMSF context data of a UE via 3GPP access**Operation ID:** DeleteSmsfContext3gpp**Tags:**

- SMSF 3GPP Registration (Document)

Parameters:

- name: ueId

In: path**Description:** UE id**Required/Optional:** true**Schema:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/VarUeId'**Responses:**

'204' Upon success, an empty response body shall be returned

default:**Description:** Unexpected error**Content:**

application/problem+json:

Schema:**Reference:** 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'**get:****Summary:** Retrieves the SMSF context data of a UE using 3gpp access**Operation ID:** QuerySmsfContext3gpp**Tags:**

- SMSF 3GPP Registration (Document)

Parameters:

- name: ueId

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: fields

In: query

Description: attributes to be retrieved

Required/Optional: false

Schema:

Type: array

items:

Type: string

minItems: 1

style: form

explode: false

- name: supported-features

In: query

Description: Supported Features

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SmsfRegistration'

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

/subscription-data/{ueId}/context-data/smsf-non-3gpp-access

put:

Summary: Create the SMSF context data of a UE via non-3GPP access

Operation ID: CreateSmsfContextNon3gpp

Tags:

- SMSF Non-3GPP Registration (Document)

Parameters:

- name: ueId

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

Request Body:

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SmsfRegistration'

Responses:

'204' Upon success, an empty response body shall be returned

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

delete:

Summary: To remove the SMSF context data of a UE via non-3GPP access

Operation ID: DeleteSmsfContextNon3gpp

Tags:

- SMSF Non-3GPP Registration (Document)

Parameters:

- name: ueId

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

Responses:

'204' Upon success, an empty response body shall be returned

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

get:

Summary: Retrieves the SMSF context data of a UE using non-3gpp access

Operation ID: QuerySmsfContextNon3gpp

Tags:

- SMSF Non-3GPP Registration (Document)

Parameters:

- name: ueId

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: fields

In: query

Description: attributes to be retrieved

Required/Optional: false

Schema:

Type: array

items:

Type: string

minItems: 1

style: form

explode: false

- name: supported-features

In: query

Description: Supported Features

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SmsfRegistration'

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

/subscription-data/{ueId}/{servingPlmnId}/provisioned-data/sms-mng-data

get:

Summary: Retrieves the SMS management subscription data of a UE

Operation ID: QuerySmsMngData

Tags:

- SMS Management Subscription Data (Document)

Parameters:

- name: ueId

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: servingPlmnId

In: path

Description: PLMN ID

Required/Optional: true

Schema:

Reference: '#/components/schemas/VarPlmnId'

- name: supported-features

In: query

Description: Supported Features

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

- name: If-None-Match

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.2

Schema:

Type: string

- name: If-Modified-Since

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.3

Schema:

Type: string

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SmsManagementSubscriptionData'

Headers:

Cache-Control:

Description: Cache-Control containing max-age, as described in RFC 7234, 5.2

Schema:

Type: string

ETag:

Description: Entity Tag, containing a strong validator, as described in RFC 7232, 2.3

Schema:

Type: string

Last-Modified:

Description: Timestamp for last modification of the resource, as described in RFC 7232, 2.2

Schema:

Type: string

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

/subscription-data/{ueId}/{servingPlmnId}/provisioned-data/sms-data

get:

Summary: Retrieves the SMS subscription data of a UE

Operation ID: QuerySmsData

Tags:

- SMS Subscription Data (Document)

Parameters:

- name: ueId

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: servingPlmnId

In: path

Description: PLMN ID

Required/Optional: true

Schema:

Reference: '#/components/schemas/VarPlmnId'

- name: supported-features

In: query

Description: Supported Features

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

- name: If-None-Match

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.2

Schema:

Type: string

- name: If-Modified-Since

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.3

Schema:

Type: string

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SmsSubscriptionData'

Headers:

Cache-Control:

Description: Cache-Control containing max-age, as described in RFC 7234, 5.2

Schema:

Type: string

ETag:

Description: Entity Tag, containing a strong validator, as described in RFC 7232, 2.3

Schema:

Type: string

Last-Modified:

Description: Timestamp for last modification of the resource, as described in RFC 7232, 2.2

Schema:

Type: string

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

/subscription-data/{ueId}/pp-data

get:

Summary: Read the profile of a given UE

Operation ID: GetppData

Tags:

- Parameter Provision (Document)

Parameters:

- name: ueId

In: path

Description: pp data for a UE

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: supported-features

In: query

Description: Supported Features

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

- name: If-None-Match

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.2

Schema:

Type: string

- name: If-Modified-Since

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.3

Schema:

Type: string

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:**Schema:****Reference:** '#/components/schemas/PpData'**Headers:****Cache-Control:****Description:** Cache-Control containing max-age, as described in RFC 7234, 5.2**Schema:****Type:** string**ETag:****Description:** Entity Tag, containing a strong validator, as described in RFC 7232, 2.3**Schema:****Type:** string**Last-Modified:****Description:** Timestamp for last modification of the resource, as described in RFC 7232, 2.2**Schema:****Type:** string**'403'** Forbidden**Content:**

application/problem+json:

Schema:**Reference:** 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'**default:****Description:** Unexpected error**Content:**

application/problem+json:

Schema:**Reference:** 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'**patch:****Summary:** modify the provisioned parameter data**Operation ID:** ModifyPpData**Tags:**

- ProvisionedParameterData (Document)

Parameters:

- name: ueld

In: path

Description: pp data for a UE

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

Request Body:

Content:

application/json-patch+json:

Schema:

Type: array

items:

Reference: 'TS29571_CommonData.yaml#/components/schemas/PatchItem'

Required/Optional: true

Responses:

'204' Expected response to a valid request

'403' modification is rejected

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

/subscription-data/{ueid}/context-data/ee-subscriptions

get:

Summary: Retrieves the ee subscriptions of a UE

Operation ID: Queryeesubscriptions

Tags:

- Event Exposure Subscriptions (Collection)

Parameters:

- name: ueId

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: supported-features

In: query

Description: Supported Features

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Type: array

items:

Reference: '#/components/schemas/EeSubscription'

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

Method: Post

Summary: Create individual EE subscription

Operation ID: CreateEeSubscriptions

Tags:

- Event Exposure Subscriptions (Collection)

Parameters:

- name: ueId

In: path

Description: UE ID

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

Request Body:

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/EeSubscription'

Required/Optional: true

Responses:

'201' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/EeSubscription'

Headers:

Location:

Description: 'Contains the URI of the newly created resource, according to the structure: {apiRoot}/subscription-data/{ueId}/context-data/ee-subscriptions/{subsId}'

Required/Optional: true

Schema:

Type: string

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

/subscription-data/{ueId}/context-data/ee-subscriptions/{subsId}

put:

Summary: Stores an individual ee subscriptions of a UE

Operation ID: UpdateEesubscriptions

Tags:

- Event Exposure Subscription (Document)

Parameters:

- name: ueId

In: path

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: subsId

In: path

Required/Optional: true

Schema:

Type: string

Request Body:**Content:****Application/JSON:****Schema:**

Reference: '#/components/schemas/EeSubscription'

Responses:

'204' Upon success, an empty response body shall be returned

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

delete:

Summary: Deletes a eeSubscription

Operation ID: RemoveeeSubscriptions

Tags:

- Event Exposure Subscription (Document)

Parameters:

- name: ueId

In: path

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: subsId

In: path

Required/Optional: true

Description: Unique ID of the subscription to remove

Schema:

Type: string

Responses:

'204' Expected response to a successful subscription removal

/subscription-data/{ueId}/context-data/ee-subscriptions/{subsId}/amf-subscription

put:

Summary: Create AmfSubscriptions for an individual ee subscriptions of a UE

Operation ID: Create AMF Subscriptions

Tags:

- AMF Subscription Info (Document)

Parameters:

- name: ueId

In: path

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: subsId

In: path

Required/Optional: true

Schema:

Type: string

Request Body:

Content:

Application/JSON:

Schema:

Type: array

items:

Reference: '#/components/schemas/AmfSubscriptionInfo'

minItems: 1

Required/Optional: true

Responses:

'204' Upon success, an empty response body shall be returned

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

delete:

Summary: Deletes AMF Subscription Info for an eeSubscription

Operation ID: RemoveAmfSubscriptionsInfo

Tags:

- Event AMF Subscription Info (Document)

Parameters:

- name: ueId

In: path

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: subsId

In: path

Required/Optional: true

Schema:

Type: string

Responses:

'204' Expected response to a successful subscription removal

patch:

Summary: modify the AMF Subscription Info

Operation ID: ModifyAmfSubscriptionInfo

Tags:

- AmfSubscriptionInfo (Document)

Parameters:

- name: ueId

In: path

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: subsId

In: path

Required/Optional: true

Schema:

Type: string

Request Body:

Content:

application/json-patch+json:

Schema:

Type: array

items:

Reference: 'TS29571_CommonData.yaml#/components/schemas/PatchItem'

Required/Optional: true

Responses:

'204' Expected response to a valid request

'403' modification is rejected

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

get:

Summary: Retrieve AMF subscription Info

Operation ID: GetAmfSubscriptionInfo

Tags:

- Query AMF Subscription Info (Document)

Parameters:

- name: ueId

In: path

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: subsId

In: path

Required/Optional: true

Schema:

Type: string

Responses:

'200' OK

Content:**Application/JSON:****Schema:**

Type: array

items:

Reference: '#/components/schemas/AmfSubscriptionInfo'

minItems: 1

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

/subscription-data/group-data/{ueGroupId}/ee-subscriptions

get:

Summary: Retrieves the ee subscriptions of a group of UEs or any UE

Operation ID: QueryEeGroupSubscriptions

Tags:

- Event Exposure Group Subscriptions (Collection)

Parameters:

- name: ueGroupId

In: path

Description: Group of UEs or any UE

Required/Optional: true

Schema:

Reference: '#/components/schemas/VarUeGroupId'

- name: supported-features

In: query

Description: Supported Features

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Type: array

items:

Reference: '#/components/schemas/EeSubscription'

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

Method: Post

Summary: Create individual EE subscription for a group of UEs or any UE

Operation ID: CreateEeGroupSubscriptions

Tags:

- Event Exposure Group Subscriptions (Collection)

Parameters:

- name: ueGroupId

In: path

Description: Group of UEs or any UE

Required/Optional: true

Schema:

Reference: '#/components/schemas/VarUeGroupId'

Request Body:

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/EeSubscription'

Required/Optional: true

Responses:

'201' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/EeSubscription'

Headers:

Location:

Description: 'Contains the URI of the newly created resource, according to the structure: {apiRoot}/nudr-dr/v1/subscription-data/group-data/{ueGroupId}/ee-subscriptions '

Required/Optional: true

Schema:

Type: string

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

/subscription-data/group-data/{ueGroupId}/ee-subscriptions/{subslId}

put:

Summary: Stores an individual ee subscription of a group of UEs or any UE

Operation ID: UpdateEeGroupSubscriptions

Tags:

- Event Exposure Subscription (Document)

Parameters:

- name: ueGroupId

In: path

Required/Optional: true

Schema:

Reference: '#/components/schemas/VarUeGroupId'

- name: subsId

In: path

Required/Optional: true

Schema:

Type: string

Request Body:**Content:****Application/JSON:****Schema:**

Reference: '#/components/schemas/EeSubscription'

Responses:

'204' Upon success, an empty response body shall be returned

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

delete:

Summary: Deletes a eeSubscription for a group of UEs or any UE

Operation ID: RemoveEeGroupSubscriptions

Tags:

- Event Exposure Subscription (Document)

Parameters:

- name: ueGroupId

In: path

Required/Optional: true

Schema:

Reference: '#/components/schemas/VarUeGroupId'

- name: subsId

In: path

Required/Optional: true

Description: Unique ID of the subscription to remove

Schema:

Type: string

Responses:

'204' Expected response to a successful subscription removal

/subscription-data/{ueld}/ee-profile-data

get:

Summary: Retrieves the ee profile data of a UE

Operation ID: QueryEEData

Tags:

- Event Exposure Data (Document)

Parameters:

- name: ueld

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: fields

In: query

Description: attributes to be retrieved

Required/Optional: false

Schema:

Type: array

items:

Type: string

style: form

explode: false

- name: supportedFeatures

In: query

Description: Supported Features

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/EeProfileData'

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

/subscription-data/{ueId}/context-data/sdm-subscriptions

get:

Summary: Retrieves the sdm subscriptions of a UE

Operation ID: Querysdmsubscriptions

Tags:

- SDM Subscriptions (Collection)

Parameters:

- name: ueId

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: supported-features

In: query

Description: Supported Features

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Type: array

items:

Reference: '#/components/schemas/SdmSubscription'

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

Method: Post

Summary: Create individual sdm subscription

Operation ID: CreateSdmSubscriptions

Tags:

- SDM Subscriptions (Collection)

Parameters:

- name: ueId

In: path

Description: UE ID

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

Request Body:

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SdmSubscription'

Required/Optional: true

Responses:

'201' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SdmSubscription'

Headers:

Location:

Description: 'Contains the URI of the newly created resource, according to the structure: {apiRoot}/subscription-data/{ueId}/context-data/sdm-subscriptions/{subId}'

Required/Optional: true

Schema:

Type: string

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

/subscription-data/{ueId}/context-data/sdm-subscriptions/{subId}

put:

Summary: Stores an individual sdm subscriptions of a UE

Operation ID: Updatesdmsubscriptions

Tags:

- SDM Subscription (Document)

Parameters:

- name: ueId

In: path

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: subId

In: path

Required/Optional: true

Schema:

Type: string

Request Body:

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SdmSubscription'

Responses:

'204' Upon success, an empty response body shall be returned

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

delete:

Summary: Deletes a sdmsubscriptions

Operation ID: RemovesdmSubscriptions

Tags:

- SDM Subscription (Document)

Parameters:

- name: ueId

In: path

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: subsId

In: path

Required/Optional: true

Description: Unique ID of the subscription to remove

Schema:

Type: string

Responses:

'204' Expected response to a successful subscription removal

/subscription-data/shared-data

get:

Summary: retrieve shared data

Operation ID: GetSharedData

Tags:

- Retrieval of shared data

Parameters:

- name: shared-data-ids

In: query

Description: List of shared data ids

Required/Optional: true

style: form

explode: false

Schema:

Reference: 'TS29503_Nudm_SDM.yaml#/components/schemas/SharedDataIds'

- name: supportedFeatures

In: query

Description: Supported Features

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Type: array

items:

Reference: 'TS29503_Nudm_SDM.yaml#/components/schemas/SharedData'

minItems: 1

'400': Reference 'TS29571_CommonData.yaml#/components/responses/400'

'404': Reference 'TS29571_CommonData.yaml#/components/responses/404'

'500': Reference 'TS29571_CommonData.yaml#/components/responses/500'

'503': Reference 'TS29571_CommonData.yaml#/components/responses/503'

default:

Description: Unexpected error

/subscription-data/subs-to-notify

Method: Post

Summary: Subscription data subscriptions

Operation ID: SubscriptionDataSubscriptions

Tags:

- Subs To Notify (Collection)

Request Body:

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SubscriptionDataSubscriptions'

Required/Optional: true

Responses:

'201' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SubscriptionDataSubscriptions'

Headers:

Location:

Description: 'Contains the URI of the newly created resource, according to the structure: {apiRoot}/subscription-data/subs-to-notify/{subsId}'

Required/Optional: true

Schema:

Type: string

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

Callbacks:**onDataChange:**

'{request.body#/callbackReference}':

Method: Post

Request Body:

Required/Optional: true

Content:**Application/JSON:****Schema:**

Reference: '#/components/schemas/DataChangeNotify'

Responses:

'204' Expected response to a valid request

/subscription-data/subs-to-notify/{subsid}

delete:

Summary: Deletes a subscriptionDataSubscriptions

Operation ID: RemovesubscriptionDataSubscriptions

Tags:

- Subs To Notify (Document)

Parameters:

- name: subsid

In: path

Required/Optional: true

Description: Unique ID of the subscription to remove

Schema:

Type: string

Responses:

'204' Expected response to a successful subscription removal

/subscription-data/{ueid}/{servingPlmnid}/provisioned-data/trace-data

get:

Summary: Retrieves the trace configuration data of a UE

Operation ID: QueryTraceData

Tags:

- Trace Data (Document)

Parameters:

- name: ueId

In: path

Description: UE id

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: servingPlmnId

In: path

Description: PLMN ID

Required/Optional: true

Schema:

Reference: '#/components/schemas/VarPlmnId'

- name: If-None-Match

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.2

Schema:

Type: string

- name: If-Modified-Since

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.3

Schema:

Type: string

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/TraceData'

Headers:

Cache-Control:

Description: Cache-Control containing max-age, as described in RFC 7234, 5.2

Schema:

Type: string

ETag:

Description: Entity Tag, containing a strong validator, as described in RFC 7232, 2.3

Schema:

Type: string

Last-Modified:

Description: Timestamp for last modification of the resource, as described in RFC 7232, 2.2

Schema:

Type: string

default: Reference 'TS29571_CommonData.yaml#/components/responses/default'

/subscription-data/{ueId}/identity-data

get:

Summary: Retrieve identity data by SUPI or GPSI

Operation ID: GetIdentityData

Tags:

- Query Identity Data by SUPI or GPSI (Document)

Parameters:

- name: ueId

In: path

Description: UE ID

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- name: If-None-Match

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.2

Schema:

Type: string

- name: If-Modified-Since

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.3

Schema:

Type: string

Responses:**'200'** OK**Content:****Application/JSON:****Schema:****Reference:** '#/components/schemas/IdentityData'**Headers:****Cache-Control:****Description:** Cache-Control containing max-age, as described in RFC 7234, 5.2**Schema:****Type:** string**ETag:****Description:** Entity Tag, containing a strong validator, as described in RFC 7232, 2.3**Schema:****Type:** string**Last-Modified:****Description:** Timestamp for last modification of the resource, as described in RFC 7232, 2.2**Schema:****Type:** string**default:****Description:** Unexpected error**Content:**

application/problem+json:

Schema:**Reference:** 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

/subscription-data/{ueld}/operator-determined-barring-data

get:**Summary:** Retrieve ODB Data data by SUPI or GPSI**Operation ID:** GetOdbData**Tags:**

- Query ODB Data by SUPI or GPSI (Document)

Parameters:

- name: ueld

In: path

Description: UE ID

Required/Optional: true

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

Responses:

'200' OK

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/OperatorDeterminedBarringData'

default:

Description: Unexpected error

Content:

application/problem+json:

Schema:

Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'

components

schemas

AuthenticationSubscription

Type: object

Required:

- authenticationMethod
- permanentKey
- sequenceNumber

Properties:

authenticationMethod:

Reference: '#/components/schemas/AuthMethod'

permanentKey:

Reference: '#/components/schemas/PermanentKey'

sequenceNumber:

Reference: '#/components/schemas/SequenceNumber'

authenticationManagementField:

Reference: '#/components/schemas/AuthenticationManagementField'

vectorAlgorithm:

Reference: '#/components/schemas/VectorAlgorithm'

milenage:

Reference: '#/components/schemas/Milenage'

tuak:

Reference: '#/components/schemas/Tuak'

opc:

Reference: '#/components/schemas/Opc'

topc:

Reference: '#/components/schemas/Topc'

sharedAuthenticationSubscriptionId:

Reference: 'TS29503_Nudm_SDM.yaml#/components/schemas/SharedData'

SharedAuthenticationSubscription

Type: object

Required:

- authenticationMethod

- vectorAlgorithm

Properties:

authenticationManagementField:

Reference: '#/components/schemas/AuthenticationManagementField'

vectorAlgorithm:

Reference: '#/components/schemas/VectorAlgorithm'

milenage:

Reference: '#/components/schemas/Milenage'

tuak:

Reference: '#/components/schemas/Tuak'

PermanentKey

Type: object

Required:

- permanentKeyValue

- encryptionKey

- encryptionAlgorithm

Properties:

permanentKeyValue:

Reference: '#/components/schemas/PermanentKeyValue'

encryptionKey:

Reference: '#/components/schemas/EncryptionKey'

encryptionAlgorithm:

Reference: '#/components/schemas/EncryptionAlgorithm'

Milenage

Type: object

Properties:

op:

Reference: '#/components/schemas/Op'

rotations:

Reference: '#/components/schemas/Rotations'

constants:

Reference: '#/components/schemas/Constants'

Tuak

Type: object

Properties:

top:

Reference: '#/components/schemas/Top'

keccakIterations:

Type: integer

Minimum: 1

Maximum: 255

Op

Type: object

Required:

- opValue

- encryptionKey

- encryptionAlgorithm

Properties:**opValue:****Reference:** '#/components/schemas/OpValue'**encryptionKey:****Reference:** '#/components/schemas/EncryptionKey'**encryptionAlgorithm:****Reference:** '#/components/schemas/EncryptionAlgorithm'**Opc****Type:** object**Required:**

- opValue
- encryptionKey
- encryptionAlgorithm

Properties:**opcValue:****Reference:** '#/components/schemas/OpcValue'**encryptionKey:****Reference:** '#/components/schemas/EncryptionKey'**encryptionAlgorithm:****Reference:** '#/components/schemas/EncryptionAlgorithm'**Top****Type:** object**Required:**

- topValue
- encryptionKey
- encryptionAlgorithm

Properties:**topValue:****Reference:** '#/components/schemas/TopValue'**encryptionKey:****Reference:** '#/components/schemas/EncryptionKey'**encryptionAlgorithm:****Reference:** '#/components/schemas/EncryptionAlgorithm'

Topc

Type: object

Required:

- topcValue
- encryptionKey
- encryptionAlgorithm

Properties:

topcValue:

Reference: '#/components/schemas/TopcValue'

encryptionKey:

Reference: '#/components/schemas/EncryptionKey'

encryptionAlgorithm:

Reference: '#/components/schemas/EncryptionAlgorithm'

Rotations

Type: object

Required:

- r1
- r2
- r3
- r4
- r5

Properties:

r1:

Reference: '#/components/schemas/RValue'

r2:

Reference: '#/components/schemas/RValue'

r3:

Reference: '#/components/schemas/RValue'

r4:

Reference: '#/components/schemas/RValue'

r5:

Reference: '#/components/schemas/RValue'

Constants

Type: object

Required:

- c1

- c2

- c3

- c4

- c5

Properties:

c1:

Reference: '#/components/schemas/CValue'

c2:

Reference: '#/components/schemas/CValue'

c3:

Reference: '#/components/schemas/CValue'

c4:

Reference: '#/components/schemas/CValue'

c5:

Reference: '#/components/schemas/CValue'

PermanentKeyValue

Type: string

Pattern: '^[A-Za-f0-9]+\$'

SequenceNumber

Type: string

Pattern: '^[A-Za-f0-9]{12}\$'

AuthenticationManagementField

Type: string

Pattern: '^[A-Za-f0-9]{4}\$'

OpValue

Type: string

Pattern: '^[A-Za-f0-9]+\$'

OpcValue

Type: string

Pattern: '^[A-Za-f0-9]+\$'

TopValue

Type: string

Pattern: '^[A-Za-f0-9]+\$'

TopcValue

Type: string

Pattern: '^[A-Za-f0-9]+\$'

RValue

Type: string

Pattern: '^[A-Za-f0-9]+\$'

CValue

Type: string

Pattern: '^[A-Za-f0-9]+\$'

EncryptionKey

Type: integer

EncryptionAlgorithm

Type: integer

VectorAlgorithm

Type: string

enum:

- MILENAGE

- TUAK

VarPlmnlId

Type: string

Pattern: '^[0-9]{5,6}\$'

DatasetNames

Type: array

Items:

Reference: '#/components/schemas/DataSetName'

minItems: 1

uniqueItems: true

DataSetName

anyOf:

- type: string

ProvisionedDataSets

Type: object

Properties:

amData:

Reference: '#/components/schemas/AccessAndMobilitySubscriptionData'

smfSelData:

Reference: '#/components/schemas/SmfSelectionSubscriptionData'

smsSubsData:

Reference: '#/components/schemas/SmsSubscriptionData'

smData:

Type: array

Items:

Reference: '#/components/schemas/SessionManagementSubscriptionData'

traceData:

Reference: 'TS29571_CommonData.yaml#/components/schemas/TraceData'

smsMngData:

Reference: '#/components/schemas/SmsManagementSubscriptionData'

AccessAndMobilitySubscriptionData

Reference: 'TS29503_Nudm_SDM.yaml#/components/schemas/AccessAndMobilitySubscriptionData'

SmfSelectionSubscriptionData

Reference: 'TS29503_Nudm_SDM.yaml#/components/schemas/SmfSelectionSubscriptionData'

VarSnsai

Reference: 'TS29571_CommonData.yaml#/components/schemas/Snsai'

Dnn

Reference: 'TS29571_CommonData.yaml#/components/schemas/Dnn'

SessionManagementSubscriptionData

Reference: 'TS29503_Nudm_SDM.yaml#/components/schemas/SessionManagementSubscriptionData'

Amf3GppAccessRegistration

Reference: 'TS29503_Nudm_UECM.yaml#/components/schemas/Amf3GppAccessRegistration'

AmfNon3GppAccessRegistration

Reference: 'TS29503_Nudm_UECM.yaml#/components/schemas/AmfNon3GppAccessRegistration'

SmfRegistration

Reference: 'TS29503_Nudm_UECM.yaml#/components/schemas/SmfRegistration'

SmsfRegistration

Reference: 'TS29503_Nudm_UECM.yaml#/components/schemas/SmsfRegistration'

SmsManagementSubscriptionData

Reference: 'TS29503_Nudm_SDM.yaml#/components/schemas/SmsManagementSubscriptionData'

SmsSubscriptionData

Reference: 'TS29503_Nudm_SDM.yaml#/components/schemas/SmsSubscriptionData'

OperatorSpecificDataContainer

Type: object

Properties:

StringTypeElements:

Type: object

additionalProperties:

Type: string

IntegerTypeElements:

Type: object

additionalProperties:

Type: integer

NumberTypeElements:

Type: object

additionalProperties:

Type: number

BooleanTypeElements:

Type: object

additionalProperties:

Type: boolean

AuthMethod

Type: string

enum:

- 5G_AKA

- EAP_AKA_PRIME

PpData

Reference: 'TS29503_Nudm_PP.yaml#/components/schemas/PpData'

EeSubscription

Reference: 'TS29503_Nudm_EE.yaml#/components/schemas/EeSubscription'

VarUeGroupId

Type: string

Pattern: '^(extgroupid-[^@]+@[^@]+|anyUE)\$'

SdmSubscription

Reference: 'TS29503_Nudm_SDM.yaml#/components/schemas/SdmSubscription'

SmfRegList

Type: array

Items:

Reference: '#/components/schemas/SmfRegistration'

SubscriptionDataSubscriptions

Type: object

Required:

- ueId

- callbackReference

- originalCallbackReference

- supported-features

Properties:**ueId:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/VarUeId'**callbackReference:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Uri'**originalCallbackReference:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Uri'**monitoredResourceUri:****Type:** array**Items:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Uri'**expiry:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/DateTime'**supported-features:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

DataChangeNotify

Type: object**Properties:****originalCallbackReference:****Type:** array**Items:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Uri'**minItems:** 1**ueId:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/VarUeId'**notifyItems:****Type:** array**Items:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/NotifyItem'**minItems:** 1

IdentityData

Type: object**Properties:**

supiList:

Type: array

Items:

Reference: 'TS29571_CommonData.yaml#/components/schemas/Supi'

minItems: 1

maxItems: 2

gpsiList:

Type: array

Items:

Reference: 'TS29571_CommonData.yaml#/components/schemas/Gpsi'

minItems: 1

SorData

Type: object

Properties:

sorXmacIue:

Reference: 'TS29509_Nausf_SoRProtection.yaml#/components/schemas/SorMac'

Required:

- sorXmacIue

OperatorDeterminedBarringData

Reference: 'TS29571_CommonData.yaml#/components/schemas/OdbData'

EeProfileData

Type: object

Properties:

restrictedEventTypes:

Type: array

Items:

Reference: 'TS29503_Nudm_EE.yaml#/components/schemas/EventType'

supportedFeatures:

Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

AmfSubscriptionInfo

Type: object

Required:

- amfInstanceId

- subscriptionId

Properties:

amfInstanceId:

Reference: 'TS29571_CommonData.yaml#/components/schemas/NfInstanceId'

subscriptionId:

Reference: 'TS29571_CommonData.yaml#/components/schemas/Uri'

subsChangeNotifyCorrelationId:

Type: string

