



Subscription Data

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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'

Paths

/subscription-data/{ueId}/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':
Description: 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':
Description: Expected response to a valid request
'403':
Description: 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':
Description: 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
 - Min Items:** 1
 - Style:** form
 - Explode:** false
 - **Name:** supportedFeatures
 - Description:** Supported Features
 - In:** query
 - Schema:**
 - Reference:** 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

Responses:

'200':

- Description:** 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':
Description: 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':
Description: 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':

Description: 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/{ueId}/{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:** 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:** fields
In: query
Description: attributes to be retrieved
Required/Optional: false
Schema:
 - Type:** array
 - Items:**
 - Type:** string
 - Min Items:** 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':
 - Description:** 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/{ueId}/{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:** 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:** fields
In: query
Description: attributes to be retrieved
Required/Optional: false
Schema:
Type: array
Items:
Type: string
Min Items: 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':

Description: 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}/{servingPlmnld}/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
Min Items: 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':
  Description: Expected response to a valid request
  Content:
    Application/JSON:
      Schema:
        Type: array
        Items:
          Reference: '#/components/schemas/SessionManagementSubscriptionData'
          Min Items: 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
      Min Items: 1
      Style: form
      Explode: false
  - Name: supported-features
    In: query
    Description: Supported Features
    Schema:
      Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

Responses:
  '200':
    Description: 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':****Description:** 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':****Description:** Expected response to a valid request**'403':****Description:** 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

Min Items: 1

Style: form

Explode: false

- **Name:** supported-features

In: query

Description: Supported Features

Schema:

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

Responses:

'200':

Description: 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':
 - Description:** 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':
 - Description:** Expected response to a valid request
- '403':
 - Description:** 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':
      Description: 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
Min Items: 1
Style: form
Explode: false
- **Name:** supported-features
In: query
Description: Supported Features
Schema:
Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

Responses:

'200':

Description: 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':

Description: 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':****Description:** 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**Min Items:** 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':****Description:** 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':

Description: Expected response to a valid request

'403':

Description: 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':

Description: 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':
Description: 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
Min Items: 1

Style: form
Explode: false
Name: supported-features
In: query
Description: Supported Features
Schema:
Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

Responses:**'200':****Description:** 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':****Description:** 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':****Description:** 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**Min Items:** 1**Style:** form**Explode:** false

- **Name:** supported-features

In: query

Description: Supported Features

Schema:

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

Responses:

'200':

Description: 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':

Description: 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':****Description:** 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':

Description: 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':
    Description: 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:** ueId
- 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':

Description: Expected response to a valid request

'403':

Description: 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':****Description:** 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':
      Description: 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':

Description: 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':

Description: Expected response to a successful subscription removal

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

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'
        Min Items: 1
    Required/Optional: true

Responses:
  '204':
    Description: 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':
    Description: 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':
Description: Expected response to a valid request
- '403':
Description: 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':
    Description: OK
    Content:
      Application/JSON:
        Schema:
          Type: array
          Items:
            Reference: '#/components/schemas/AmfSubscriptionInfo'
            Min Items: 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':
      Description: 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':

Description: 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/{subsId}

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':

Description: 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':****Description:** Expected response to a successful subscription removal

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

get:**Summary:** Retrieves the ee profile data of a UE**Operation ID:** QueryEEData**Tags:**

- Event Exposure Data (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**Style:** form**Explode:** false

- **Name:** supportedFeatures

In: query**Description:** Supported Features**Schema:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'**Responses:****'200':****Description:** 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':

Description: 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

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

```

    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':
      Description: 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/{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/sdm-subscriptions/{subsId}

```

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: subsId
      In: path
      Required/Optional: true
      Schema:

```



```
    Type: string
Request Body:
  Content:
    Application/JSON:
      Schema:
        Reference: '#/components/schemas/SdmSubscription'

Responses:
  '204':
    Description: 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':
    Description: 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':
Description: Expected response to a valid request
Content:
Application/JSON:
Schema:
Type: array
Items:
Reference: 'TS29503_Nudm_SDM.yaml#/components/schemas/SharedData'
Min Items: 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':
Description: 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':
    Description: 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':

Description: 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':

Description: 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':
Description: 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/{ueid}/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:** ueId
In: path
Description: UE ID
Required/Optional: true
Schema:
Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'
Responses:
'200':
Description: 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:
    - opcValue
    - 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]+$'
EncryptionKey:
  Type: integer
EncryptionAlgorithm:
  Type: integer
VectorAlgorithm:
  Type: string
  enum:
    - MILENAGE
    - TUAK
VarPlmnId:
  Type: string
  Pattern: '^[0-9]{5,6}$'
DatasetNames:
  Type: array
  Items:
    Reference: '#/components/schemas/DataSetName'
  minItems: 1
  uniqueItems: true

```

```

DataSetName:
  anyOf:
    - type: string
      enum:
        - AM
        - SMF_SEL
        - SMS_SUB
        - SM
        - TRACE
        - SMS_MNG
    - 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'
VarSnssai:
  Reference: 'TS29571_CommonData.yaml#/components/schemas/Snssai'
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
```

External Docs

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/'