



Nsmf_PDUSession

SMF PDU Session Service.

- [OpenAPI](#), on page 1
- [info](#), on page 1
- [externalDocs](#), on page 1
- [security](#), on page 1
- [servers](#), on page 2
- [paths](#), on page 2
- [components](#), on page 28

OpenAPI

OpenAPI Version: 3.0.0

info

Version: '1.0.0'

Title: 'Nsmf_PDUSession'

Description: 'SMF PDU Session Service'

externalDocs

Description: 3GPP TS 29.502 V15.2.1; 5G System; Session Management Services; Stage 3

URL: http://www.3gpp.org/ftp/Specs/archive/29_series/29.502/

security

- {}

- oAuth2Clientcredentials:

- nsmf-pdusession

servers

URL: '{apiRoot}/nsmf-pdusession/v1'

Variables:

API Root:

Default: https://example.com

Description: apiRoot as defined in subclause 4.4 of 3GPP TS 29.501. The sm-contexts and pdu-sessions resources can be distributed on different processing instances or hosts. Thus the authority and/or deployment-specific string of the apiRoot of the created individual sm context and pdu-session resources' URIs may differ from the authority and/or deployment-specific string of the apiRoot of the sm-contexts and pdu-sessions collections' URIs.

paths

/sm-contexts

Method: Post

Summary: Create SM Context

Tags:

- SM contexts collection

Operation ID: PostSmContexts

Request Body:

Description: representation of the SM context to be created in the SMF

Required/Optional: true

Content:

Multipart/Related:

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/SmContextCreateData'

binaryDataN1SmMessage:

Type: string

Format: binary

Encoding:

JSON Data:

Content Type: application/json

binaryDataN1SmMessage:

Content Type: application/vnd.3gpp.5gnas

Headers:

Content ID:

Schema:

Type: string

Callbacks:

smContextStatusNotification:

'{\$request.body#/smContextStatusUri}':

Method: Post

Request Body: # contents of the callback message

Required/Optional: true

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SmContextStatusNotification'

Responses:

'204' successful notification

'307' temporary redirect

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

'403': Reference 'TS29571_CommonData.yaml#/components/responses/403'

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

'411': Reference 'TS29571_CommonData.yaml#/components/responses/411'

'413': Reference 'TS29571_CommonData.yaml#/components/responses/413'

'415': Reference 'TS29571_CommonData.yaml#/components/responses/415'

'429': Reference 'TS29571_CommonData.yaml#/components/responses/429'

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

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

Responses:

'201' successful creation of an SM context

Content:

Application/JSON: # message without binary body part

Schema:

Reference: '#/components/schemas/SmContextCreatedData'

Multipart/Related: # message with binary body part(s)

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/SmContextCreatedData'

binaryDataN2SmInformation:

Type: string

Format: binary

Encoding:

JSON Data:

Content Type: application/json

binaryDataN2SmInformation:

Content Type: application/vnd.3gpp.ngap

Headers:

Content ID:

Schema:

Type: string

Headers:

Location:

Description: 'Contains the URI of the newly created resource, according to the structure: {apiRoot}/nsmf-pdusession/v1/sm-contexts/{smContextRef}'

Required/Optional: true

Schema:

Type: string

'307' temporary redirect

'308' permanent redirect

'400' unsuccessful creation of an SM context - bad request

Content:

Application/JSON: # message without binary body part

Schema:

Reference: '#/components/schemas/SmContextCreateError'

Multipart/Related: # message with binary body part(s)

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/SmContextCreateError'

binaryDataN1SmMessage:

Type: string

Format: binary

Encoding:

JSON Data:

Content Type: application/json

binaryDataN1SmMessage:

Content Type: application/vnd.3gpp.5gnas

Headers:

Content ID:

Schema:

Type: string

'403' unsuccessful creation of an SM context - forbidden

Content:

Application/JSON: # message without binary body part

Schema:

Reference: '#/components/schemas/SmContextCreateError'

Multipart/Related: # message with binary body part(s)

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/SmContextCreateError'

binaryDataN1SmMessage:

Type: string

Format: binary

Encoding:

JSON Data:

Content Type: application/json

binaryDataN1SmMessage:

Content Type: application/vnd.3gpp.5gnas

Headers:

Content ID:

Schema:

Type: string

'404' unsuccessful creation of an SM context - not found

Content:

Application/JSON: # message without binary body part

Schema:

Reference: '#/components/schemas/SmContextCreateError'

Multipart/Related: # message with binary body part(s)

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/SmContextCreateError'

binaryDataN1SmMessage:

Type: string

Format: binary

Encoding:

JSON Data:

Content Type: application/json

binaryDataN1SmMessage:

Content Type: application/vnd.3gpp.5gnas

Headers:

Content ID:

Schema:

Type: string

'411': Reference 'TS29571_CommonData.yaml#/components/responses/411'

'413': Reference 'TS29571_CommonData.yaml#/components/responses/413'

'415': Reference 'TS29571_CommonData.yaml#/components/responses/415'

'429': Reference 'TS29571_CommonData.yaml#/components/responses/429'

'500' unsuccessful creation of an SM context - internal server error

Content:

Application/JSON: # message without binary body part

Schema:

Reference: '#/components/schemas/SmContextCreateError'

Multipart/Related: # message with binary body part(s)

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/SmContextCreateError'

binaryDataN1SmMessage:

Type: string

Format: binary

Encoding:

JSON Data:

Content Type: application/json

binaryDataN1SmMessage:

Content Type: application/vnd.3gpp.5gnas

Headers:

Content ID:

Schema:

Type: string

'503' unsuccessful creation of an SM context - service unavailable

Content:

Application/JSON: # message without binary body part

Schema:

Reference: '#/components/schemas/SmContextCreateError'

Multipart/Related: # message with binary body part(s)

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/SmContextCreateError'

binaryDataN1SmMessage:**Type:** string**Format:** binary**Encoding:****JSON Data:****Content Type:** application/json**binaryDataN1SmMessage:****Content Type:** application/vnd.3gpp.5gnas**Headers:****Content ID:****Schema:****Type:** string**'504'** unsuccessful creation of an SM context - gateway timeout**Content:****Application/JSON:** # message without binary body part**Schema:****Reference:** '#/components/schemas/SmContextCreateError'**Multipart/Related:** # message with binary body part(s)**Schema:****Type:** object**Properties:** # Request parts**JSON Data:****Reference:** '#/components/schemas/SmContextCreateError'**binaryDataN1SmMessage:****Type:** string**Format:** binary**Encoding:****JSON Data:****Content Type:** application/json**binaryDataN1SmMessage:****Content Type:** application/vnd.3gpp.5gnas**Headers:****Content ID:****Schema:**

Type: string

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

/sm-contexts/{smContextRef}/retrieve

Method: Post

Summary: Retrieve SM Context

Tags:

- Individual SM context

Operation ID: RetrieveSmContext

Parameters:

- name: smContextRef

In: path

Description: SM context reference

Required/Optional: true

Schema:

Type: string

Request Body:

Description: parameters used to retrieve the SM context

Required/Optional: false

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SmContextRetrieveData'

Responses:

'200' successful retrieval of an SM context

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SmContextRetrievedData'

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

'403': Reference 'TS29571_CommonData.yaml#/components/responses/403'

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

'411': Reference 'TS29571_CommonData.yaml#/components/responses/411'

'413': Reference 'TS29571_CommonData.yaml#/components/responses/413'

'415': Reference 'TS29571_CommonData.yaml#/components/responses/415'

'429': Reference 'TS29571_CommonData.yaml#/components/responses/429'

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

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

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

/sm-contexts/{smContextRef}/modify

Method: Post

Summary: Update SM Context

Tags:

- Individual SM context

Operation ID: UpdateSmContext

Parameters:

- name: smContextRef

In: path

Description: SM context reference

Required/Optional: true

Schema:

Type: string

Request Body:

Description: representation of the updates to apply to the SM context

Required/Optional: true

Content:

Application/JSON: # message without binary body part

Schema:

Reference: '#/components/schemas/SmContextUpdateData'

Multipart/Related: # message with binary body part(s)

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/SmContextUpdateData'

binaryDataN1SmMessage:

Type: string

Format: binary

binaryDataN2SmInformation:

Type: string

Format: binary

Encoding:

JSON Data:

Content Type: application/json

binaryDataN1SmMessage:

Content Type: application/vnd.3gpp.5gnas

Headers:

Content ID:

Schema:

Type: string

binaryDataN2SmInformation:

Content Type: application/vnd.3gpp.ngap

Headers:

Content ID:

Schema:

Type: string

Responses:

'200' successful update of an SM context with content in the response

Content:

Application/JSON: # message without binary body part

Schema:

Reference: '#/components/schemas/SmContextUpdatedData'

Multipart/Related: # message with binary body part(s)

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/SmContextUpdatedData'

binaryDataN1SmMessage:

Type: string

Format: binary

binaryDataN2SmInformation:**Type:** string**Format:** binary**Encoding:****JSON Data:****Content Type:** application/json**binaryDataN1SmMessage:****Content Type:** application/vnd.3gpp.5gnas**Headers:****Content ID:****Schema:****Type:** string**binaryDataN2SmInformation:****Content Type:** application/vnd.3gpp.ngap**Headers:****Content ID:****Schema:****Type:** string**'204'** successful update of an SM context without content in the response**'400'** unsuccessful update of an SM context - bad request**Content:****Application/JSON:** # message without binary body part**Schema:****Reference:** '#/components/schemas/SmContextUpdateError'**Multipart/Related:** # message with binary body part(s)**Schema:****Type:** object**Properties:** # Request parts**JSON Data:****Reference:** '#/components/schemas/SmContextUpdateError'**binaryDataN1SmMessage:****Type:** string**Format:** binary**binaryDataN2SmInformation:**

Type: string

Format: binary

Encoding:

JSON Data:

Content Type: application/json

binaryDataN1SmMessage:

Content Type: application/vnd.3gpp.5gnas

Headers:

Content ID:

Schema:

Type: string

binaryDataN2SmInformation:

Content Type: application/vnd.3gpp.ngap

Headers:

Content ID:

Schema:

Type: string

'403' unsuccessful update of an SM context - forbidden

Content:

Application/JSON: # message without binary body part

Schema:

Reference: '#/components/schemas/SmContextUpdateError'

Multipart/Related: # message with binary body part(s)

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/SmContextUpdateError'

binaryDataN1SmMessage:

Type: string

Format: binary

binaryDataN2SmInformation:

Type: string

Format: binary

Encoding:

JSON Data:

Content Type: application/json

binaryDataN1SmMessage:

Content Type: application/vnd.3gpp.5gnas

Headers:

Content ID:

Schema:

Type: string

binaryDataN2SmInformation:

Content Type: application/vnd.3gpp.ngap

Headers:

Content ID:

Schema:

Type: string

'404' unsuccessful update of an SM context - not found

Content:

Application/JSON: # message without binary body part

Schema:

Reference: '#/components/schemas/SmContextUpdateError'

Multipart/Related: # message with binary body part(s)

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/SmContextUpdateError'

binaryDataN1SmMessage:

Type: string

Format: binary

binaryDataN2SmInformation:

Type: string

Format: binary

Encoding:

JSON Data:

Content Type: application/json

binaryDataN1SmMessage:

Content Type: application/vnd.3gpp.5gnas

Headers:

Content ID:

Schema:

Type: string

binaryDataN2SmInformation:

Content Type: application/vnd.3gpp.ngap

Headers:

Content ID:

Schema:

Type: string

'411': Reference 'TS29571_CommonData.yaml#/components/responses/411'

'413': Reference 'TS29571_CommonData.yaml#/components/responses/413'

'415': Reference 'TS29571_CommonData.yaml#/components/responses/415'

'429': Reference 'TS29571_CommonData.yaml#/components/responses/429'

'500' unsuccessful update of an SM context - Internal server error

Content:

Application/JSON: # message without binary body part

Schema:

Reference: '#/components/schemas/SmContextUpdateError'

Multipart/Related: # message with binary body part(s)

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/SmContextUpdateError'

binaryDataN1SmMessage:

Type: string

Format: binary

binaryDataN2SmInformation:

Type: string

Format: binary

Encoding:

JSON Data:

Content Type: application/json

binaryDataN1SmMessage:

Content Type: application/vnd.3gpp.5gnas

Headers:

Content ID:

Schema:

Type: string

binaryDataN2SmInformation:

Content Type: application/vnd.3gpp.ngap

Headers:

Content ID:

Schema:

Type: string

'503' unsuccessful update of an SM context - Service Unavailable

Content:

Application/JSON: # message without binary body part

Schema:

Reference: '#/components/schemas/SmContextUpdateError'

Multipart/Related: # message with binary body part(s)

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/SmContextUpdateError'

binaryDataN1SmMessage:

Type: string

Format: binary

binaryDataN2SmInformation:

Type: string

Format: binary

Encoding:

JSON Data:

Content Type: application/json

binaryDataN1SmMessage:

Content Type: application/vnd.3gpp.5gnas

Headers:

Content ID:

Schema:

Type: string

binaryDataN2SmInformation:

Content Type: application/vnd.3gpp.ngap

Headers:

Content ID:

Schema:

Type: string

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

/sm-contexts/{smContextRef}/release

Method: Post

Summary: Release SM Context

Tags:

- Individual SM context

Operation ID: ReleaseSmContext

Parameters:

- name: smContextRef

In: path

Description: SM context reference

Required/Optional: true

Schema:

Type: string

Request Body:

Description: representation of the data to be sent to the SMF when releasing the SM context

Required/Optional: false

Content:

Application/JSON: # message without binary body part

Schema:

Reference: '#/components/schemas/SmContextReleaseData'

Multipart/Related: # message with binary body part(s)

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/SmContextReleaseData'

binaryDataN2SmInformation:

Type: string

Format: binary

Encoding:

JSON Data:

Content Type: application/json

binaryDataN2SmInformation:

Content Type: application/vnd.3gpp.ngap

Headers:

Content ID:

Schema:

Type: string

Responses:

'204': successful release of an SM context without content in the response

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

'403': Reference 'TS29571_CommonData.yaml#/components/responses/403'

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

'411': Reference 'TS29571_CommonData.yaml#/components/responses/411'

'413': Reference 'TS29571_CommonData.yaml#/components/responses/413'

'415': Reference 'TS29571_CommonData.yaml#/components/responses/415'

'429': Reference 'TS29571_CommonData.yaml#/components/responses/429'

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

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

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

/pdu-sessions

Method: Post

Summary: Create

Tags:

- PDU sessions collection

Operation ID: PostPduSessions

Request Body:

Description: representation of the PDU session to be created in the H-SMF

Required/Optional: true

Content:

Application/JSON: # message without binary body part

Schema:

Reference: '#/components/schemas/PduSessionCreateData'

Multipart/Related: # message with binary body part(s)

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/PduSessionCreateData'

binaryDataN1SmInfoFromUe:

Type: string

Format: binary

binaryDataUnknownN1SmInfo:

Type: string

Format: binary

Encoding:

JSON Data:

Content Type: application/json

binaryDataN1SmInfoFromUe:

Content Type: application/vnd.3gpp.5gnas

Headers:

Content ID:

Schema:

Type: string

binaryDataUnknownN1SmInfo:

Content Type: application/vnd.3gpp.5gnas

Headers:**Content ID:****Schema:****Type:** string**Callbacks:****statusNotification:**

'\${request.body#/vsmfPduSessionUri}':

Method: Post**Summary:** Notify Status**Tags:**

- Individual PDU session (V-SMF)

Operation ID: NotifyStatus**Request Body:****Description:** representation of the status notification**Required/Optional:** true**Content:****Application/JSON:****Schema:****Reference:** '#/components/schemas/StatusNotification'**Responses:**

'204': successful notification of the status change

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

'403': Reference 'TS29571_CommonData.yaml#/components/responses/403'

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

'411': Reference 'TS29571_CommonData.yaml#/components/responses/411'

'413': Reference 'TS29571_CommonData.yaml#/components/responses/413'

'415': Reference 'TS29571_CommonData.yaml#/components/responses/415'

'429': Reference 'TS29571_CommonData.yaml#/components/responses/429'

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

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

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

'\${request.body#/vsmfPduSessionUri}/modify':

Method: Post

Summary: Update (initiated by H-SMF)

Tags:

- Individual PDU session (V-SMF)

Operation ID: ModifyPduSession

Request Body:

Description: representation of updates to apply to the PDU session

Required/Optional: true

Content:

application/+json: # message without binary body part

Schema:

Reference: '#/components/schemas/VsmfUpdateData'

Multipart/Related: # message with binary body part(s)

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/VsmfUpdateData'

binaryDataN1SmInfoToUe:

Type: string

Format: binary

Encoding:

JSON Data:

Content Type: application/json

binaryDataN1SmInfoToUe:

Content Type: application/vnd.3gpp.5gnas

Headers:

Content ID:

Schema:

Type: string

Responses:

'200' successful update of a PDU session with content in the response

Content:

Application/JSON: # message without binary body part

Schema:

Reference: '#/components/schemas/VsmfUpdatedData'

Multipart/Related: # message with binary body part(s)

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/VsmfUpdatedData'

binaryDataN1SmInfoFromUe:

Type: string

Format: binary

binaryDataUnknownN1SmInfo:

Type: string

Format: binary

Encoding:

JSON Data:

Content Type: application/json

binaryDataN1SmInfoFromUe:

Content Type: application/vnd.3gpp.5gnas

Headers:

Content ID:

Schema:

Type: string

binaryDataUnknownN1SmInfo:

Content Type: application/vnd.3gpp.5gnas

Headers:

Content ID:

Schema:

Type: string

'204': successful update of a PDU session without content in the response

'400': Reference '#/components/responses/VsmfUpdateError'

'403': Reference '#/components/responses/VsmfUpdateError'

'404': Reference '#/components/responses/VsmfUpdateError'

'411': Reference 'TS29571_CommonData.yaml#/components/responses/411'

'413': Reference 'TS29571_CommonData.yaml#/components/responses/413'

'415': Reference 'TS29571_CommonData.yaml#/components/responses/415'

'429': Reference 'TS29571_CommonData.yaml#/components/responses/429'

'500': Reference '#/components/responses/VsmfUpdateError'

'503': Reference '#/components/responses/VsmfUpdateError'

'504': Reference '#/components/responses/VsmfUpdateError'

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

Responses:

'201' successful creation of a PDU session

Content:

Application/JSON: # message without binary body part

Schema:

Reference: '#/components/schemas/PduSessionCreatedData'

Multipart/Related: # message with binary body part(s)

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/PduSessionCreatedData'

binaryDataN1SmInfoToUe:

Type: string

Format: binary

Encoding:

JSON Data:

Content Type: application/json

binaryDataN1SmInfoToUe:

Content Type: application/vnd.3gpp.5gnas

Headers:

Content ID:

Schema:

Type: string

Headers:

Location:

Description: 'Contains the URI of the newly created resource, according to the structure: {apiRoot}/nsmf-pdusession/v1/pdu-sessions/{pduSessionRef}'

Required/Optional: true

Schema:**Type:** string

'307': temporary redirect

'308': permanent redirect

'400': Reference '#/components/responses/PduSessionCreateError'

'403': Reference '#/components/responses/PduSessionCreateError'

'404': Reference '#/components/responses/PduSessionCreateError'

'411': Reference 'TS29571_CommonData.yaml#/components/responses/411'

'413': Reference 'TS29571_CommonData.yaml#/components/responses/413'

'415': Reference 'TS29571_CommonData.yaml#/components/responses/415'

'429': Reference 'TS29571_CommonData.yaml#/components/responses/429'

'500': Reference '#/components/responses/PduSessionCreateError'

'503': Reference '#/components/responses/PduSessionCreateError'

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

/pdu-sessions/{pduSessionRef}/modify

Method: Post**Summary:** Update (initiated by V-SMF)**Tags:**

- Individual PDU session (H-SMF)

Operation ID: UpdatePduSession**Parameters:**

- name: pduSessionRef

In: path**Description:** PDU session reference**Required/Optional:** true**Schema:****Type:** string**Request Body:****Description:** representation of the updates to apply to the PDU session**Required/Optional:** true**Content:****Application/JSON:** # message without binary body part**Schema:**

Reference: '#/components/schemas/HsmfUpdateData'

Multipart/Related: # message with binary body part(s)

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/HsmfUpdateData'

binaryDataN1SmInfoFromUe:

Type: string

Format: binary

binaryDataUnknownN1SmInfo:

Type: string

Format: binary

Encoding:

JSON Data:

Content Type: application/json

binaryDataN1SmInfoFromUe:

Content Type: application/vnd.3gpp.5gnas

Headers:

Content ID:

Schema:

Type: string

binaryDataUnknownN1SmInfo:

Content Type: application/vnd.3gpp.5gnas

Headers:

Content ID:

Schema:

Type: string

Responses:

'200' successful update of a PDU session with content in the response

Content:

Application/JSON: # message without binary body part

Schema:

Reference: '#/components/schemas/HsmfUpdatedData'

Multipart/Related: # message with binary body part(s)

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/HsmfUpdatedData'

binaryDataN1SmInfoToUe:

Type: string

Format: binary

Encoding:

JSON Data:

Content Type: application/json

binaryDataN1SmInfoToUe:

Content Type: application/vnd.3gpp.5gnas

Headers:

Content ID:

Schema:

Type: string

'204': successful update of a PDU session without content in the response

'400': Reference '#/components/responses/HsmfUpdateError'

'403': Reference '#/components/responses/HsmfUpdateError'

'404': Reference '#/components/responses/HsmfUpdateError'

'411': Reference 'TS29571_CommonData.yaml#/components/responses/411'

'413': Reference 'TS29571_CommonData.yaml#/components/responses/413'

'415': Reference 'TS29571_CommonData.yaml#/components/responses/415'

'429': Reference 'TS29571_CommonData.yaml#/components/responses/429'

'500': Reference '#/components/responses/HsmfUpdateError'

'503': Reference '#/components/responses/HsmfUpdateError'

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

/pdu-sessions/{pduSessionRef}/release

Method: Post

Summary: Release

Tags:

- Individual PDU session (H-SMF)

Operation ID: ReleasePduSession

Parameters:

- name: pduSessionRef

In: path

Description: PDU session reference

Required/Optional: true

Schema:

Type: string

Request Body:

Description: representation of the data to be sent to H-SMF when releasing the PDU session

Required/Optional: false

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/ReleaseData'

Responses:

'204': successful release of a PDU session

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

'403': Reference 'TS29571_CommonData.yaml#/components/responses/403'

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

'411': Reference 'TS29571_CommonData.yaml#/components/responses/411'

'413': Reference 'TS29571_CommonData.yaml#/components/responses/413'

'415': Reference 'TS29571_CommonData.yaml#/components/responses/415'

'429': Reference 'TS29571_CommonData.yaml#/components/responses/429'

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

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

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

components

securitySchemes

oAuth2ClientCredentials

Type: oauth2
Flows:
clientCredentials:
tokenUrl: '{nrfApiRoot}/oauth2/token'
scopes:
nsmf-pdusession: Access to the nsmf-pdusession API

schemas

STRUCTURED DATA TYPES

SmContextCreateData

Type: object
Properties:
supi:
Reference: 'TS29571_CommonData.yaml#/components/schemas/Supi'
unauthenticatedSupi:
Type: boolean
Default: false
pei:
Reference: 'TS29571_CommonData.yaml#/components/schemas/Pei'
gpsi:
Reference: 'TS29571_CommonData.yaml#/components/schemas/Gpsi'
pduSessionId:
Reference: 'TS29571_CommonData.yaml#/components/schemas/PduSessionId'
dnn:
Reference: 'TS29571_CommonData.yaml#/components/schemas/Dnn'
sNssai:
Reference: 'TS29571_CommonData.yaml#/components/schemas/Snssai'
hplmnSnssai:

Reference: 'TS29571_CommonData.yaml#/components/schemas/Snssai'
servingNfId:
Reference: 'TS29571_CommonData.yaml#/components/schemas/NfInstanceId'
guami:
Reference: 'TS29571_CommonData.yaml#/components/schemas/Guami'
serviceName:
Reference: 'TS29510_Nnrf_NFManagement.yaml#/components/schemas/ServiceName'
servingNetwork:
Reference: 'TS29571_CommonData.yaml#/components/schemas/PlmnId'
requestType:
Reference: '#/components/schemas/RequestType'
n1SmMsg:
Reference: 'TS29571_CommonData.yaml#/components/schemas/RefToBinaryData'
anType:
Reference: 'TS29571_CommonData.yaml#/components/schemas/AccessType'
ratType:
Reference: 'TS29571_CommonData.yaml#/components/schemas/RatType'
presenceInLadn:
Reference: 'TS29571_CommonData.yaml#/components/schemas/PresenceState'
ueLocation:
Reference: 'TS29571_CommonData.yaml#/components/schemas/UserLocation'
ueTimeZone:
Reference: 'TS29571_CommonData.yaml#/components/schemas/TimeZone'
addUeLocation:
Reference: 'TS29571_CommonData.yaml#/components/schemas/UserLocation'
smContextStatusUri:
Reference: 'TS29571_CommonData.yaml#/components/schemas/Uri'
hSmfUri:
Reference: 'TS29571_CommonData.yaml#/components/schemas/Uri'
additionalHsmfUri:
Type: array
Items:
Reference: 'TS29571_CommonData.yaml#/components/schemas/Uri'
minItems: 1

oldPduSessionId:**Reference:** 'TS29571_CommonData.yaml#/components/schemas/PduSessionId'**pduSessionsActivateList:****Type:** array**Items:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/PduSessionId'**minItems:** 1**ueEpsPdnConnection:****Reference:** '#/components/schemas/EpsPdnCnxContainer'**hoState:****Reference:** '#/components/schemas/HoState'**pcfId:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/NfInstanceId'**nrfUri:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Uri'**supportedFeatures:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'**selMode:****Reference:** '#/components/schemas/DnnSelectionMode'**backupAmfInfo:****Type:** array**Items:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/BackupAmfInfo'**minItems:** 1**traceData:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/TraceData'**udmGroupId:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/NfGroupId'**routingIndicator:****Type:** string**epsInterworkingInd:****Reference:** '#/components/schemas/EpsInterworkingIndication'**indirectForwardingFlag:****Type:** boolean

Required:

- servingNfId
- servingNetwork
- anType
- smContextStatusUri

SmContextCreatedData

Type: object

Properties:**hSmfUri:**

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

pduSessionId:

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

sNssai:

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

upCnxState:

Reference: '#/components/schemas/UpCnxState'

n2SmInfo:

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

n2SmInfoType:

Reference: '#/components/schemas/N2SmInfoType'

allocatedEbiList:

Type: array

Items:

Reference: '#/components/schemas/EbiArpMapping'

minItems: 1

hoState:

Reference: '#/components/schemas/HoState'

smfServiceInstanceId:

Type: string

recoveryTime:

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

supportedFeatures:

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

SmContextUpdateData

Type: object

Properties:

pei:

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

gpsi:

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

servingNfId:

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

guami:

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

servingNetwork:

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

backupAmfInfo:

Type: array

Items:

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

minItems: 1

nullable: true

anType:

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

ratType:

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

presenceInLadn:

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

ueLocation:

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

ueTimeZone:

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

addUeLocation:

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

upCnxState:

Reference: '#/components/schemas/UpCnxState'

hoState:

Reference: '#/components/schemas/HoState'

toBeSwitched:

Type: boolean

Default: false

failedToBeSwitched:

Type: boolean

n1SmMsg:

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

n2SmInfo:

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

n2SmInfoType:

Reference: '#/components/schemas/N2SmInfoType'

targetServingNfId:

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

smContextStatusUri:

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

dataForwarding:

Type: boolean

Default: false

epsBearerSetup:

Type: array

Items:

Reference: '#/components/schemas/EpsBearerContainer'

minItems: 0

revokeEbiList:

Type: array

Items:

Reference: '#/components/schemas/EpsBearerId'

minItems: 1

release:

Type: boolean

Default: false

cause:

Reference: '#/components/schemas/Cause'

ngApCause:

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

5gMmCauseValue:

Reference: 'TS29571_CommonData.yaml#/components/schemas/5GMmCause'

sNssai:

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

traceData:

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

epsInterworkingInd:

Reference: '#/components/schemas/EpsInterworkingIndication'

anTypeCanBeChanged:

Type: boolean

Default: false

SmContextUpdatedData

Type: object

Properties:

upCnxState:

Reference: '#/components/schemas/UpCnxState'

hoState:

Reference: '#/components/schemas/HoState'

releaseEbiList:

Type: array

Items:

Reference: '#/components/schemas/EpsBearerId'

minItems: 1

allocatedEbiList:

Type: array

Items:

Reference: '#/components/schemas/EbiArpMapping'

minItems: 1

modifiedEbiList:

Type: array

Items:

Reference: '#/components/schemas/EbiArpMapping'

minItems: 1

n1SmMsg:

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

n2SmInfo:

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

n2SmInfoType:

Reference: '#/components/schemas/N2SmInfoType'

epsBearerSetup:

Type: array

Items:

Reference: '#/components/schemas/EpsBearerContainer'

minItems: 1

dataForwarding:

Type: boolean

SmContextReleaseData

Type: object

Properties:

cause:

Reference: '#/components/schemas/Cause'

ngApCause:

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

5gMmCauseValue:

Reference: 'TS29571_CommonData.yaml#/components/schemas/5GMmCause'

ueLocation:

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

ueTimeZone:

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

addUeLocation:

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

vsmfReleaseOnly:

Type: boolean

Default: false

SmContextStatusNotification

Type: object

Properties:

statusInfo :

Reference: '#/components/schemas/StatusInfo'

Required:

- statusInfo

PduSessionCreateData

Type: object

Properties:

supi:

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

unauthenticatedSupi:

Type: boolean

Default: false

pei:

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

pduSessionId:

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

dnn:

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

sNssai:

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

vsmfId:

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

servingNetwork:

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

requestType:

Reference: '#/components/schemas/RequestType'

epsBearerId:

Type: array

Items:

Reference: '#/components/schemas/EpsBearerId'

minItems: 1

pgwS8cFteid:

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

vsmfPduSessionUri:

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

vcnTunnelInfo:

Reference: '#/components/schemas/TunnelInfo'

anType:

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

ratType:

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

ueLocation:

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

ueTimeZone:

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

addUeLocation:

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

gpsi:

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

n1SmInfoFromUe:

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

unknownN1SmInfo:

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

supportedFeatures:

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

hPcfId:

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

hoPreparationIndication:

Type: boolean

selMode:

Reference: '#/components/schemas/DnnSelectionMode'

alwaysOnRequested:

Type: boolean

Default: false

udmGroupId:**Reference:** 'TS29571_CommonData.yaml#/components/schemas/NfGroupId'**routingIndicator:****Type:** string**epsInterworkingInd:****Reference:** '#/components/schemas/EpsInterworkingIndication'**vSmfServiceInstanceId:****Type:** string**recoveryTime:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/DateTime'**roamingChargingProfile:****Reference:** 'TS32291_Nchf_ConvergedCharging.yaml#/components/schemas/RoamingChargingProfile'**chargingId:****Type:** string**oldPduSessionId:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/PduSessionId'**Required:**

- dnn
- vsmfId
- servingNetwork
- vsmfPduSessionUri
- vcnTunnelInfo
- anType

PduSessionCreatedData**Type:** object**Properties:****pduSessionType:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/PduSessionType'**sscMode:****Type:** string**Pattern:** '^[0-7]\$'**hcnTunnelInfo:****Reference:** '#/components/schemas/TunnelInfo'**sessionAmbr:**

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

qosFlowsSetupList:

Type: array

Items:

Reference: '#/components/schemas/QosFlowSetupItem'

minItems: 1

hSmfInstanceId:

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

pduSessionId:

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

sNssai:

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

enablePauseCharging:

Type: boolean

Default: false

ueIpv4Address:

Reference: 'TS29571_CommonData.yaml#/components/schemas/Ipv4Addr'

ueIpv6Prefix:

Reference: 'TS29571_CommonData.yaml#/components/schemas/Ipv6Prefix'

n1SmInfoToUe:

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

epsPdnCnxInfo:

Reference: '#/components/schemas/EpsPdnCnxInfo'

epsBearerInfo:

Type: array

Items:

Reference: '#/components/schemas/EpsBearerInfo'

minItems: 1

supportedFeatures:

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

maxIntegrityProtectedDataRate:

Reference: '#/components/schemas/MaxIntegrityProtectedDataRate'

alwaysOnGranted:

Type: boolean

Default: false

upSecurity:

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

roamingChargingProfile:

Reference: 'TS32291_Nchf_ConvergedCharging.yaml#/components/schemas/RoamingChargingProfile'

hSmfServiceInstanceId:

Type: string

recoveryTime:

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

Required:

- pduSessionType
- sscMode
- hcnTunnelInfo
- sessionAmbr
- qosFlowsSetupList
- hSmfInstanceId

HsmfUpdateData

Type: object

Properties:

requestIndication:

Reference: '#/components/schemas/RequestIndication'

pei:

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

vcnTunnelInfo:

Reference: '#/components/schemas/TunnelInfo'

servingNetwork:

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

anType:

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

ratType:

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

ueLocation:

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

ueTimeZone:

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

addUeLocation:

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

pauseCharging:

Type: boolean

pti:

Reference: '#/components/schemas/ProcedureTransactionId'

n1SmInfoFromUe:

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

unknownN1SmInfo:

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

qosFlowsRelNotifyList:

Type: array

Items:

Reference: '#/components/schemas/QosFlowItem'

minItems: 1

qosFlowsNotifyList:

Type: array

Items:

Reference: '#/components/schemas/QosFlowNotifyItem'

minItems: 1

NotifyList:

Type: array

Items:

Reference: '#/components/schemas/PduSessionNotifyItem'

minItems: 1

epsBearerId:

Type: array

Items:

Reference: '#/components/schemas/EpsBearerId'

minItems: 0

hoPreparationIndication:

Type: boolean

revokeEbiList:

Type: array

Items:

Reference: '#/components/schemas/EpsBearerId'

minItems: 1

cause:

Reference: '#/components/schemas/Cause'

ngApCause:

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

5gMmCauseValue:

Reference: 'TS29571_CommonData.yaml#/components/schemas/5GMmCause'

alwaysOnRequested:

Type: boolean

Default: false

epsInterworkingInd:

Reference: '#/components/schemas/EpsInterworkingIndication'

secondaryRatUsageReport:

Type: array

Items:

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

minItems: 1

Required:

- requestIndication

HsmfUpdatedData

Type: object

Properties:

n1SmInfoToUe:

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

ReleaseData

Type: object

Properties:

cause:

Reference: '#/components/schemas/Cause'

ngApCause:

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

5gMmCauseValue:

Reference: 'TS29571_CommonData.yaml#/components/schemas/5GMmCause'

ueLocation:

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

ueTimeZone:

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

addUeLocation:

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

secondaryRatUsageReport:

Type: array

Items:

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

minItems: 1

ReleasedData

Type: object

VsmfUpdateData

Type: object

Properties:

requestIndication:

Reference: '#/components/schemas/RequestIndication'

sessionAmbr:

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

qosFlowsAddModRequestList:

Type: array

Items:

Reference: '#/components/schemas/QosFlowAddModifyRequestItem'

minItems: 1

qosFlowsRelRequestList:

Type: array

Items:

Reference: '#/components/schemas/QosFlowReleaseRequestItem'

minItems: 1

epsBearerInfo:**Type:** array**Items:****Reference:** '#/components/schemas/EpsBearerInfo'**minItems:** 1**assignEbiList:****Type:** array**Items:****Reference:** '#/components/schemas/EpsBearerId'**minItems:** 1**revokeEbiList:****Type:** array**Items:****Reference:** '#/components/schemas/EpsBearerId'**minItems:** 1**modifiedEbiList:****Type:** array**Items:****Reference:** '#/components/schemas/EbiArpMapping'**minItems:** 1**pti:****Reference:** '#/components/schemas/ProcedureTransactionId'**n1SmInfoToUe:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/RefToBinaryData'**alwaysOnGranted:****Type:** boolean**Default:** false**cause:****Reference:** '#/components/schemas/Cause'**n1smCause:****Type:** string**backOffTimer:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/DurationSec'**Required:**

- requestIndication

VsmfUpdatedData

Type: object

Properties:

qosFlowsAddModList:

Type: array

Items:

Reference: '#/components/schemas/QosFlowItem'

minItems: 1

qosFlowsRelList:

Type: array

Items:

Reference: '#/components/schemas/QosFlowItem'

minItems: 1

qosFlowsFailedtoAddModList:

Type: array

Items:

Reference: '#/components/schemas/QosFlowItem'

minItems: 1

qosFlowsFailedtoRelList:

Type: array

Items:

Reference: '#/components/schemas/QosFlowItem'

minItems: 1

n1SmInfoFromUe:

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

unknownN1SmInfo:

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

ueLocation:

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

ueTimeZone:

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

addUeLocation:

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

assignedEbiList:**Type:** array**Items:****Reference:** '#/components/schemas/EbiArpMapping'**minItems:** 1**failedToAssignEbiList:****Type:** array**Items:****Reference:** '#/components/schemas/EpsBearerId'**minItems:** 1**releasedEbiList:****Type:** array**Items:****Reference:** '#/components/schemas/EpsBearerId'**minItems:** 1**secondaryRatUsageReport:****Type:** array**Items:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/SecondaryRatUsageReport'**minItems:** 1**StatusNotification****Type:** object**Properties:**

statusInfo :

Reference: '#/components/schemas/StatusInfo'**Required:**

- statusInfo

QosFlowItem**Type:** object**Properties:**

qfi:

Reference: 'TS29571_CommonData.yaml#/components/schemas/Qfi'**cause:**

Reference: '#/components/schemas/Cause'

Required:

- qfi

QosFlowSetupItem

Type: object

Properties:

qfi:

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

qosRules:

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

ebi:

Reference: '#/components/schemas/EpsBearerId'

qosFlowDescription:

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

qosFlowProfile:

Reference: '#/components/schemas/QosFlowProfile'

Required:

- qfi

- qosRules

QosFlowAddModifyRequestItem

Type: object

Properties:

qfi:

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

ebi:

Reference: '#/components/schemas/EpsBearerId'

qosRules:

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

qosFlowDescription:

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

qosFlowProfile:

Reference: '#/components/schemas/QosFlowProfile'

Required:

- qfi

QosFlowReleaseRequestItem

Type: object

Properties:

qfi:

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

qosRules:

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

qosFlowDescription:

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

Required:

- qfi

QosFlowProfile

Type: object

Properties:

5qi:

Reference: 'TS29571_CommonData.yaml#/components/schemas/5Qi'

nonDynamic5Qi:

Reference: 'TS29571_CommonData.yaml#/components/schemas/NonDynamic5Qi'

dynamic5Qi:

Reference: 'TS29571_CommonData.yaml#/components/schemas/Dynamic5Qi'

arp:

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

gbrQosFlowInfo:

Reference: '#/components/schemas/GbrQosFlowInformation'

rqa:

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

additionalQosFlowInfo:

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

Required:

- 5qi

GbrQosFlowInformation

Type: object

Properties:**maxFbrDI:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/BitRate'**maxFbrUI:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/BitRate'**guaFbrDI:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/BitRate'**guaFbrUI:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/BitRate'**notifControl:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/NotificationControl'**maxPacketLossRateDI:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/PacketLossRate'**maxPacketLossRateUI:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/PacketLossRate'**Required:**

- maxFbrDI
- maxFbrUI
- guaFbrDI
- guaFbrUI

QosFlowNotifyItem**Type:** object**Properties:****qfi:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Qfi'**notificationCause:****Reference:** '#/components/schemas/NotificationCause'**Required:**

- qfi
- notificationCause

SmContextRetrieveData**Type:** object**Properties:**

targetMmeCap:

Reference: '#/components/schemas/MmeCapabilities'

SmContextRetrievedData

Type: object

Properties:

ueEpsPdnConnection:

Reference: '#/components/schemas/EpsPdnCnxContainer'

Required:

- ueEpsPdnConnection

MmeCapabilities

Type: object

Properties:

nonIpSupported:

Type: boolean

Default: false

TunnelInfo

Type: object

Properties:

ipv4Addr:

Reference: 'TS29571_CommonData.yaml#/components/schemas/Ipv4Addr'

ipv6Addr:

Reference: 'TS29571_CommonData.yaml#/components/schemas/Ipv6Addr'

gtpTeid:

Reference: '#/components/schemas/Teid'

Required:

- gtpTeid

StatusInfo

Type: object

Properties:

resourceStatus:

Reference: '#/components/schemas/ResourceStatus'

cause:

Reference: '#/components/schemas/Cause'

Required:

- resourceStatus

EpsPdnCnxInfo

Type: object

Properties:

pgwS8cFteid:

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

pgwNodeName:

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

Required:

- pgwS8cFteid

EpsBearerInfo

Type: object

Properties:

ebi:

Reference: '#/components/schemas/EpsBearerId'

pgwS8uFteid:

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

bearerLevelQoS:

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

Required:

- ebi

- pgwS8uFteid

- bearerLevelQoS

PduSessionNotifyItem

Type: object

Properties:

notificationCause:

Reference: '#/components/schemas/NotificationCause'

Required:

- notificationCause

EbiArpMapping

Type: object

Properties:

epsBearerId:

Reference: '#/components/schemas/EpsBearerId'

arp:

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

Required:

- epsBearerId

- arp

SmContextCreateError

Type: object

Properties:

error:

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

n1SmMsg:

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

recoveryTime:

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

Required:

- error

SmContextUpdateError

Type: object

Properties:

error:

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

n1SmMsg:

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

n2SmInfo:

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

n2SmInfoType:

Reference: '#/components/schemas/N2SmInfoType'

upCnxState:

Reference: '#/components/schemas/UpCnxState'

recoveryTime:

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

Required:

- error

'PduSessionCreateError'

Description: unsuccessful creation of a PDU session

content:

application/json: # message without binary body part

schema:

Reference: '#/components/schemas/PduSessionCreateError'

multipart/related: # message with binary body part(s)

schema:

Type: object

Properties: # Request parts

jsonData:

Reference: '#/components/schemas/PduSessionCreateError'

binaryDataN1SmInfoToUe:

Type: string

format: binary

encoding:

jsonData:

contentType: application/json

binaryDataN1SmInfoToUe:

contentType: application/vnd.3gpp.5gnas

headers:

Content-Id:

schema:

Type: string

'HsmfUpdateError'

Description: unsuccessful update of a PDU session

content:

application/json: # message without binary body part

schema:

Reference: '#/components/schemas/HsmfUpdateError'

multipart/related: # message with binary body part(s)

schema:

Type: object

Properties: # Request parts

jsonData:

Reference: '#/components/schemas/HsmfUpdateError'

binaryDataN1SmInfoToUe:

Type: string

format: binary

encoding:

jsonData:

contentType: application/json

binaryDataN1SmInfoToUe:

contentType: application/vnd.3gpp.5gnas

headers:

Content-Id:

schema:

Type: string

'VsmfUpdateError'

Description: unsuccessful update of a PDU session

content:

application/json: # message without binary body part

schema:

Reference: '#/components/schemas/VsmfUpdateError'

multipart/related: # message with binary body part(s)

schema:

Type: object

Properties: # Request parts

jsonData:

Reference: '#/components/schemas/VsmfUpdateError'

binaryDataN1SmInfoFromUe:

Type: string

format: binary
binaryDataUnknownN1SmInfo:
Type: string
format: binary
encoding:
jsonData:
contentType: application/json
binaryDataN1SmInfoFromUe:
contentType: application/vnd.3gpp.5gnas
headers:
Content-Id:
schema:
Type: string
binaryDataUnknownN1SmInfo:
contentType: application/vnd.3gpp.5gnas
headers:
Content-Id:
schema:
Type: string

ProcedureTransactionId

Type: integer
Minimum: 0
Maximum: 255

EpsBearerId

Type: integer
Minimum: 0
Maximum: 15

EpsPdnCnxContainer

Type: string

EpsBearerContainer

Type: string

Teid

Type: string

Pattern: '^[A-F0-9]{8}\$'

ENUMERATIONS

UpCnxState

anyOf:

- type: string

This string provides forward-compatibility with future extensions to the enumeration but is not used to encode content defined in the present version of this API.

Possible values are

- ACTIVATED
- DEACTIVATED
- ACTIVATING

HoState

anyOf:

- type: string

This string provides forward-compatibility with future extensions to the enumeration but is not used to encode content defined in the present version of this API.

Possible values are

- NONE
- PREPARING
- PREPARED
- COMPLETED
- CANCELLED

RequestType

anyOf:

- type: string

This string provides forward-compatibility with future extensions to the enumeration but is not used to encode content defined in the present version of this API.

Possible values are

- INITIAL_REQUEST
- EXISTING_PDU_SESSION
- INITIAL_EMERGENCY_REQUEST
- EXISTING_EMERGENCY_PDU_SESSION

RequestIndication

anyOf:

- type: string

This string provides forward-compatibility with future extensions to the enumeration but is not used to encode content defined in the present version of this API.

Possible values are

- UE_REQ_PDU_SES_MOD
- UE_REQ_PDU_SES_REL
- PDU_SES_MOB
- NW_REQ_PDU_SES_AUTH
- NW_REQ_PDU_SES_MOD
- NW_REQ_PDU_SES_REL
- EBI_ASSIGNMENT_REQ

NotificationCause

anyOf:

- type: string

This string provides forward-compatibility with future extensions to the enumeration but is not used to encode content defined in the present version of this API.

Possible values are

- QOS_FULFILLED
- QOS_NOT_FULFILLED
- UP_SEC_FULFILLED
- UP_SEC_NOT_FULFILLED

Cause

anyOf:

- type: string

This string provides forward-compatibility with future extensions to the enumeration but is not used to encode content defined in the present version of this API.

Possible values are

- REL_DUE_TO_HO
- EPS_FALLBACK
- REL_DUE_TO_UP_SEC
- DNN_CONGESTION
- S-NSSAI_CONGESTION
- REL_DUE_TO_REACTIVATION
- 5G_AN_NOT_RESPONDING
- REL_DUE_TO_SLICE_NOT_AVAILABLE
- REL_DUE_TO_DUPLICATE_SESSION_ID
- PDU_SESSION_STATUS_MISMATCH
- HO_FAILURE

ResourceStatus

anyOf:

- type: string

This string provides forward-compatibility with future extensions to the enumeration but is not used to encode content defined in the present version of this API.

Possible values are

- RELEASED

DnnSelectionMode

anyOf:

- type: string

This string provides forward-compatibility with future extensions to the enumeration but is not used to encode content defined in the present version of this API.

Possible values are

- VERIFIED
- UE_DNN_NOT_VERIFIED
- NW_DNN_NOT_VERIFIED

EpsInterworkingIndication

anyOf:

- type: string

This string provides forward-compatibility with future extensions to the enumeration but is not used to encode content defined in the present version of this API.

Possible values are

- NONE
- WITH_N26
- WITHOUT_N26

N2SmlInfoType

anyOf:

- type: string

This string provides forward-compatibility with future extensions to the enumeration but is not used to encode content defined in the present version of this API.

Possible values are

- PDU_RES_SETUP_REQ
- PDU_RES_SETUP_RSP
- PDU_RES_SETUP_FAIL
- PDU_RES_REL_CMD
- PDU_RES_REL_RSP
- PDU_RES_MOD_REQ
- PDU_RES_MOD_RSP
- PDU_RES_MOD_FAIL
- PDU_RES_NTY
- PDU_RES_NTY_REL
- PDU_RES_MOD_IND
- PDU_RES_MOD_CFM
- PATH_SWITCH_REQ
- PATH_SWITCH_SETUP_FAIL
- PATH_SWITCH_REQ_ACK
- PATH_SWITCH_REQ_FAIL
- HANDOVER_REQUIRED

- HANDOVER_CMD
- HANDOVER_PREP_FAIL
- HANDOVER_REQ_ACK
- HANDOVER_RES_ALLOC_FAIL

MaxIntegrityProtectedDataRate

anyOf:

- type: string

This string provides forward-compatibility with future extensions to the enumeration but is not used to encode content defined in the present version of this API.

Possible values are

- 64_KBPS
- MAX_UE_RATE

HTTP responses

responses

'PduSessionCreateError'

Description: unsuccessful creation of a PDU session

content:

application/json: # message without binary body part

schema:

Reference: '#/components/schemas/PduSessionCreateError'

multipart/related: # message with binary body part(s)

schema:

Type: object

Properties: # Request parts

jsonData:

Reference: '#/components/schemas/PduSessionCreateError'

binaryDataN1SmInfoToUe:

Type: string

format: binary

encoding:

jsonData:

contentType: application/json
binaryDataN1SmInfoToUe:
contentType: application/vnd.3gpp.5gnas
headers:
Content-Id:
schema:
Type: string

'HsmfUpdateError'

Description: unsuccessful update of a PDU session
content:
application/json: # message without binary body part
schema:
Reference: '#/components/schemas/HsmfUpdateError'
multipart/related: # message with binary body part(s)
schema:
Type: object
Properties: # Request parts
jsonData:
Reference: '#/components/schemas/HsmfUpdateError'
binaryDataN1SmInfoToUe:
Type: string
format: binary
encoding:
jsonData:
contentType: application/json
binaryDataN1SmInfoToUe:
contentType: application/vnd.3gpp.5gnas
headers:
Content-Id:
schema:
Type: string

'VsmfUpdateError'

Description: unsuccessful update of a PDU session

content:

application/json: # message without binary body part

schema:

Reference: '#/components/schemas/VsmfUpdateError'

multipart/related: # message with binary body part(s)

schema:

Type: object

Properties: # Request parts

jsonData:

Reference: '#/components/schemas/VsmfUpdateError'

binaryDataN1SmInfoFromUe:

Type: string

format: binary

binaryDataUnknownN1SmInfo:

Type: string

format: binary

encoding:

jsonData:

contentType: application/json

binaryDataN1SmInfoFromUe:

contentType: application/vnd.3gpp.5gnas

headers:

Content-Id:

schema:

Type: string

binaryDataUnknownN1SmInfo:

contentType: application/vnd.3gpp.5gnas

headers:

Content-Id:

schema:

Type: string