



## NUDM UECM

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Information regarding the UEs current session is managed by the UECM service. The network functions that serve a UE register that information with the UDM, along with status information when appropriate and deregister after they are no longer serving that UE. A network function may also be notified that it has been deregistered when the UDM has determined that it is no longer the registered service provider for a particular UE. Additionally, this service is used by the AMF to update the UEs Permanent Equipment Identifier (PEI) and is used by the UDM to notify a registered AMF or SMF that P-CSCF restoration is required. Interested network functions can obtain context information on request to learn, for example, which AMF is currently serving a particular UE.

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### OpenAPI

OpenAPI Version: 3.0.0

### info

**Version:** '1.0.0'

**Title:** 'Nudm\_UECM'

**Description:** 'Nudm Context Management Service'

### externalDocs

**Description:** 3GPP TS 29.503 Unified Data Management Services, version 15.2.1

**URL:** 'http://www.3gpp.org/ftp/Specs/archive/29\_series/29.503/'

## security

- oAuth2ClientCredentials:
- nudm-uecm
- {}

## servers

**URL:** '{apiRoot}/nudm-uecm/v1'

**Variables:**

**API Root:**

**Default:** https://example.com

**Description:** apiRoot as defined in subclause subclause 4.4 of 3GPP TS 29.501.

## paths

### ueld registrations amf 3gpp access

**put:**

**Summary:** register as AMF for 3GPP access

**Operation ID:** Registration

**Tags:**

- AMF registration for 3GPP access

**Parameters:**

- name: ueld

**In:** path

**Description:** Identifier of the UE

**Required/Optional:** true

**Schema:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Supi'

**Request Body:**

**Content:**

**Application/JSON:**

**Schema:**

**Reference:** '##/components/schemas/Amf3GppAccessRegistration'

**Required/Optional:** true

**Responses:**

'201' Created

**Content:**

**Application/JSON:**

**Schema:**

**Reference:** '#/components/schemas/Amf3GppAccessRegistration'

**Headers:**

**Location:**

**Description:** 'Contains the URI of the newly created resource, according to the structure: {apiRoot}/nudm-uecm/v1/{ueId}/registrations/amf-3gpp-access'

**Required/Optional:** true

**Schema:**

**Type:** string

'200' OK

**Content:**

**Application/JSON:**

**Schema:**

**Reference:** '#/components/schemas/Amf3GppAccessRegistration'

'204' No content

'400': Reference 'TS29571\_CommonData.yaml#/components/responses/400'

'403': Reference 'TS29571\_CommonData.yaml#/components/responses/403'

'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

**Callbacks:**

**deregistrationNotification:**

'{request.body#/deregCallbackUri}':

**Method:** Post

**Request Body:**

**Required/Optional:** true

**Content:**

**Application/JSON:**

**Schema:****Reference:** '#/components/schemas/DeregistrationData'**Responses:**

'204' Successful Notification response

'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**pcscfRestorationNotification:**

'{request.body#/pcscfRestorationCallbackUri}':

**Method:** Post**Request Body:****Required/Optional:** true**Content:****Application/JSON:****Schema:****Reference:** '#/components/schemas/PcscfRestorationNotification'**Responses:**

'204' Successful Notification response

'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**patch:****Summary:** Update a parameter in the AMF registration for 3GPP access**Operation ID:** Update**Tags:**

- Parameter update in the AMF registration for 3GPP access

**Parameters:**

- name: ueId

**In:** path

**Description:** Identifier of the UE

**Required/Optional:** true

**Schema:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Supi'

**Request Body:**

**Content:**

application/merge-patch+json:

**Schema:**

**Reference:** '#/components/schemas/Amf3GppAccessRegistrationModification'

**Required/Optional:** true

**Responses:**

'204' Expected response to a valid request

'400': Reference 'TS29571\_CommonData.yaml#/components/responses/400'

'403': Reference 'TS29571\_CommonData.yaml#/components/responses/403'

'404': Reference 'TS29571\_CommonData.yaml#/components/responses/404'

'422' Unprocessable Request

**Content:**

application/problem+json:

**Schema:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/ProblemDetails'

'500': Reference 'TS29571\_CommonData.yaml#/components/responses/500'

'503': Reference 'TS29571\_CommonData.yaml#/components/responses/503'

**default:**

**Description:** Unexpected error

**get:**

**Summary:** retrieve the AMF registration for 3GPP access information

**Operation ID:** Get

**Tags:**

- AMF 3Gpp-access Registration Info Retrieval

**Parameters:**

- name: ueId

**In:** path

**Description:** Identifier of the UE

**Required/Optional:** true

**Schema:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Gpsi'

- name: supported-features

**In:** query

**Schema:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'

**Responses:**

'200' Expected response to a valid request

**Content:**

**Application/JSON:**

**Schema:**

**Reference:** '#/components/schemas/Amf3GppAccessRegistration'

'400': Reference 'TS29571\_CommonData.yaml#/components/responses/400'

'403': Reference 'TS29571\_CommonData.yaml#/components/responses/403'

'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

## ueid registrations amf non 3gpp access

**put:**

**Summary:** register as AMF for non-3GPP access

**Operation ID:** Register

**Tags:**

- AMF registration for non-3GPP access

**Parameters:**

- name: ueid

**In:** path

**Description:** Identifier of the UE

**Required/Optional:** true

**Schema:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Supi'

**Request Body:****Content:****Application/JSON:****Schema:****Reference:** '#/components/schemas/AmfNon3GppAccessRegistration'**Required/Optional:** true**Responses:****'201'** Created**Content:****Application/JSON:****Schema:****Reference:** '#/components/schemas/AmfNon3GppAccessRegistration'**Headers:****Location:****Description:** 'Contains the URI of the newly created resource, according to the structure: {apiRoot}/nudm-uecm/v1/{ueId}/registrations/amf-non-3gpp-access'**Required/Optional:** true**Schema:****Type:** string**'200'** OK**Content:****Application/JSON:****Schema:****Reference:** '#/components/schemas/AmfNon3GppAccessRegistration'**'204'** No Content**'400':** Reference 'TS29571\_CommonData.yaml#/components/responses/400'**'403':** Reference 'TS29571\_CommonData.yaml#/components/responses/403'**'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**Callbacks:****deregistrationNotification:**

'{request.body#/deregCallbackUri}':

**Method:** Post

**Request Body:**

**Required/Optional:** true

**Content:**

**Application/JSON:**

**Schema:**

**Reference:** '#/components/schemas/DeregistrationData'

**Responses:**

'204': Successful Notification response

'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

**pcscfRestorationNotification:**

'{request.body#/pcscfRestorationCallbackUri}':

**Method:** Post

**Request Body:**

**Required/Optional:** true

**Content:**

**Application/JSON:**

**Schema:**

**Reference:** '#/components/schemas/PscfRestorationNotification'

**Responses:**

'204': Successful Notification response

'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

**patch:**

**Summary:** update a parameter in the AMF registration for non-3GPP access



**Operation ID:** Update

**Tags:**

- Parameter update in the AMF registration for non-3GPP access

**Parameters:**

- name: ueId

**In:** path

**Description:** Identifier of the UE

**Required/Optional:** true

**Schema:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Supi'

**Request Body:**

**Content:**

application/merge-patch+json:

**Schema:**

**Reference:** '#/components/schemas/AmfNon3GppAccessRegistrationModification'

**Required/Optional:** true

**Responses:**

'204' Expected response to a valid request

'400': Reference 'TS29571\_CommonData.yaml#/components/responses/400'

'404': Reference 'TS29571\_CommonData.yaml#/components/responses/404'

'422' Unprocessable Request

**Content:**

application/problem+json:

**Schema:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/ProblemDetails'

'500': Reference 'TS29571\_CommonData.yaml#/components/responses/500'

'503': Reference 'TS29571\_CommonData.yaml#/components/responses/503'

**default:**

**Description:** Unexpected error

**get:**

**Summary:** retrieve the AMF registration for non-3GPP access information

**Operation ID:** Get

**Tags:**

- AMF non-3GPP-access Registration Info Retrieval

**Parameters:**

- name: ueId

**In:** path

**Description:** Identifier of the UE

**Required/Optional:** true

**Schema:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Gpsi'

- name: supported-features

**In:** query

**Schema:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'

**Responses:**

'200' Expected response to a valid request

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

**Reference:** '#/components/schemas/AmfNon3GppAccessRegistration'

'400': Reference 'TS29571\_CommonData.yaml#/components/responses/400'

'403': Reference 'TS29571\_CommonData.yaml#/components/responses/403'

'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

## ueId registrations smf registrations pduSessionId

**put:**

**Summary:** register as SMF

**Operation ID:** Registration

**Tags:**

- SMF Registration

**Parameters:**

- name: ueId

**In:** path

**Description:** Identifier of the UE

**Required/Optional:** true

**Schema:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Supi'

- name: pduSessionId

**In:** path

**Description:** Identifier of the PDU session

**Required/Optional:** true

**Schema:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/PduSessionId'

**Request Body:**

**Content:**

**Application/JSON:**

**Schema:**

**Reference:** '#/components/schemas/SmfRegistration'

**Required/Optional:** true

**Responses:**

'201' Created

**Content:**

**Application/JSON:**

**Schema:**

**Reference:** '#/components/schemas/SmfRegistration'

**Headers:**

**Location:**

**Description:** 'Contains the URI of the newly created resource, according to the structure: {apiRoot}/nudm-uecm/v1/{ueId}/registrations/smf-registrations/{pduSessionId}'

**Required/Optional:** true

**Schema:**

**Type:** string

'200' Expected response to a valid request

**Content:**

**Application/JSON:**

**Schema:**

**Reference:** '#/components/schemas/SmfRegistration'

'204' No content

'400': Reference 'TS29571\_CommonData.yaml#/components/responses/400'

'403': Reference 'TS29571\_CommonData.yaml#/components/responses/403'

'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

**Callbacks:**

**pcscfRestorationNotification:**

'{request.body#/pcscfRestorationCallbackUri}':

**Method:** Post

**Request Body:**

**Required/Optional:** true

**Content:**

**Application/JSON:**

**Schema:**

**Reference:** '#/components/schemas/PcscfRestorationNotification'

**Responses:**

'204' Successful Notification response

'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

**delete:**

**Summary:** delete an SMF registration

**Operation ID:** Deregistration

**Tags:**

- SMF Deregistration

**Parameters:**

- name: ueId

**In:** path

**Description:** Identifier of the UE

**Required/Optional:** true

**Schema:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Supi'

- name: pduSessionId

**In:** path

**Description:** Identifier of the PDU session

**Required/Optional:** true

**Schema:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/PduSessionId'

**Responses:**

'204' Expected response to a valid request

'400': Reference 'TS29571\_CommonData.yaml#/components/responses/400'

'404': Reference 'TS29571\_CommonData.yaml#/components/responses/404'

'422' Unprocessable Request

**Content:**

application/problem+json:

**Schema:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/ProblemDetails'

'500': Reference 'TS29571\_CommonData.yaml#/components/responses/500'

'503': Reference 'TS29571\_CommonData.yaml#/components/responses/503'

**default:**

**Description:** Unexpected error

## ueId registrations smsf 3gpp access

**put:**

**Summary:** register as SMSF for 3GPP access

**Operation ID:** Update SMSF Reg 3GPP

**Tags:**

- SMSF registration for 3GPP access

**Parameters:**

- name: ueId

**In:** path

**Description:** Identifier of the UE

**Required/Optional:** true

**Schema:****Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Supi'**Request Body:****Content:****Application/JSON:****Schema:****Reference:** '#/components/schemas/SmsfRegistration'**Required/Optional:** true**Responses:****'201'** Created**Content:****Application/JSON:****Schema:****Reference:** '#/components/schemas/SmsfRegistration'**Headers:****Location:****Description:** 'Contains the URI of the newly created resource, according to the structure:  
{apiRoot}/nudm-uecm/v1/{ueId}/registrations/smsf-3gpp-access'**Required/Optional:** true**Schema:****Type:** string**'200'** Expected response to a valid request**Content:****Application/JSON:****Schema:****Reference:** '#/components/schemas/SmsfRegistration'**'204'** No content**'400':** Reference 'TS29571\_CommonData.yaml#/components/responses/400'**'403':** Reference 'TS29571\_CommonData.yaml#/components/responses/403'**'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**delete:**

**Summary:** delete the SMSF registration for 3GPP access

**Operation ID:** Deregistration

**Tags:**

- SMSF Deregistration for 3GPP Access

**Parameters:**

- name: ueId

**In:** path

**Description:** Identifier of the UE

**Required/Optional:** true

**Schema:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Supi'

**Responses:**

'204' Expected response to a valid request

'400': Reference 'TS29571\_CommonData.yaml#/components/responses/400'

'404': Reference 'TS29571\_CommonData.yaml#/components/responses/404'

'422' Unprocessable Request

**Content:**

application/problem+json:

**Schema:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/ProblemDetails'

'500': Reference 'TS29571\_CommonData.yaml#/components/responses/500'

'503': Reference 'TS29571\_CommonData.yaml#/components/responses/503'

**default:**

**Description:** Unexpected error

**get:**

**Summary:** retrieve the SMSF registration for 3GPP access information

**Operation ID:** Get

**Tags:**

- SMSF 3GPP access Registration Info Retrieval

**Parameters:**

- name: ueId

**In:** path

**Description:** Identifier of the UE

**Required/Optional:** true

**Schema:****Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Gpsi'

- name: supported-features

**In:** query**Schema:****Reference:** 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'**Responses:**

'200' Expected response to a valid request

**Content:****Application/JSON:****Schema:****Reference:** '#/components/schemas/SmsfRegistration'

'400': Reference 'TS29571\_CommonData.yaml#/components/responses/400'

'403': Reference 'TS29571\_CommonData.yaml#/components/responses/403'

'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

## ueid registrations smsf non 3gpp access

**put:****Summary:** register as SMSF for non-3GPP access**Operation ID:** Registration**Tags:**

- SMSF registration for non-3GPP access

**Parameters:**

- name: ueid

**In:** path**Description:** Identifier of the UE**Required/Optional:** true**Schema:****Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Supi'**Request Body:**



**Content:****Application/JSON:****Schema:****Reference:** '#/components/schemas/SmsfRegistration'**Required/Optional:** true**Responses:**

'201' Created

**Content:****Application/JSON:****Schema:****Reference:** '#/components/schemas/SmsfRegistration'**Headers:****Location:****Description:** 'Contains the URI of the newly created resource, according to the structure: {apiRoot}/nudm-uecm/v1/{ueId}/registrations/smsf-non-3gpp-access'**Required/Optional:** true**Schema:****Type:** string

'200' Expected response to a valid request

**Content:****Application/JSON:****Schema:****Reference:** '#/components/schemas/SmsfRegistration'

'204' No content

'400': Reference 'TS29571\_CommonData.yaml#/components/responses/400'

'403': Reference 'TS29571\_CommonData.yaml#/components/responses/403'

'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**delete:****Summary:** delete SMSF registration for non 3GPP access**Operation ID:** Deregistration**Tags:**

- SMSF Deregistration for non-3GPP access

**Parameters:**

- name: ueId

**In:** path

**Description:** Identifier of the UE

**Required/Optional:** true

**Schema:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Supi'

**Responses:**

'204': Expected response to a valid request

'400': Reference 'TS29571\_CommonData.yaml#/components/responses/400'

'404': Reference 'TS29571\_CommonData.yaml#/components/responses/404'

'422': Unprocessable Request

**Content:**

application/problem+json:

**Schema:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/ProblemDetails'

'500': Reference 'TS29571\_CommonData.yaml#/components/responses/500'

'503': Reference 'TS29571\_CommonData.yaml#/components/responses/503'

**default:**

**Description:** Unexpected error

**get:**

**Summary:** retrieve the SMSF registration for non-3GPP access information

**Operation ID:** Get

**Tags:**

- SMSF non-3GPP access Registration Info Retrieval

**Parameters:**

- name: ueId

**In:** path

**Description:** Identifier of the UE

**Required/Optional:** true

**Schema:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Gpsi'

- name: supported-features

**In:** query

**Schema:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'

**Responses:**

'200' Expected response to a valid request

**Content:**

**Application/JSON:**

**Schema:**

**Reference:** '#/components/schemas/SmsfRegistration'

'400': Reference 'TS29571\_CommonData.yaml#/components/responses/400'

'403': Reference 'TS29571\_CommonData.yaml#/components/responses/403'

'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

## components

### securitySchemes

#### oAuth2ClientCredentials

**Type:** oauth2

**Flows:**

**clientCredentials:**

**tokenUrl:** '{nrfApiRoot}/oauth2/token'

**scopes:**

**nudm-uecm:** Access to the nudm-uecm API

### schemas

# COMPLEX TYPES:

#### Amf3GppAccessRegistration

**Type:** object

**Required:**

- amfInstanceId
- deregCallbackUri
- guami
- ratType

**Properties:****amfInstanceId:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/NfInstanceId'

**supportedFeatures:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'

**purgeFlag:**

**Reference:** '#/components/schemas/PurgeFlag'

**pei:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Pei'

**imsVoPs:**

**Reference:** '#/components/schemas/ImsVoPs'

**deregCallbackUri:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Uri'

**amfServiceNameDereg:**

**Reference:** 'TS29510\_Nnrf\_NFManagement.yaml#/components/schemas/ServiceName'

**pcscfRestorationCallbackUri:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Uri'

**amfServiceNamePcscfRest:**

**Reference:** 'TS29510\_Nnrf\_NFManagement.yaml#/components/schemas/ServiceName'

**initialRegistrationInd:**

**Type:** boolean

**guami:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Guami'

**backupAmfInfo:**

**Type:** array

**Items:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/BackupAmfInfo'

**minItems:** 1

**drFlag:**

**Reference:** '#/components/schemas/DualRegistrationFlag'

**ratType:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/RatType'

## Amf3GppAccessRegistrationModification

**Type:** object

**Required:**

- guami

**Properties:**

**guami:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Guami'

**purgeFlag:**

**Reference:** '#/components/schemas/PurgeFlag'

**pei:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Pei'

**imsVoPs:**

**Reference:** '#/components/schemas/ImsVoPs'

**backupAmfInfo:**

**Type:** array

**Items:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/BackupAmfInfo'

## AmfNon3GppAccessRegistration

**Type:** object

**Required:**

- amfInstanceId

- imsVoPs

- deregCallbackUri

- guami

- ratType

**Properties:**

**amfInstanceId:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/NfInstanceId'

**supportedFeatures:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'

**purgeFlag:****Reference:** '#/components/schemas/PurgeFlag'**pei:****Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Pei'**imsVoPs:****Reference:** '#/components/schemas/ImsVoPs'**deregCallbackUri:****Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Uri'**amfServiceNameDereg:****Reference:** 'TS29510\_Nnrf\_NFManagement.yaml#/components/schemas/ServiceName'**pcscfRestorationCallbackUri:****Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Uri'**amfServiceNamePcsfRest:****Reference:** 'TS29510\_Nnrf\_NFManagement.yaml#/components/schemas/ServiceName'**guami:****Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Guami'**backupAmfInfo:****Type:** array**Items:****Reference:** 'TS29571\_CommonData.yaml#/components/schemas/BackupAmfInfo'**minItems:** 1**ratType:****Reference:** 'TS29571\_CommonData.yaml#/components/schemas/RatType'**AmfNon3GppAccessRegistrationModification****Type:** object**Required:**

- guami

**Properties:****guami:****Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Guami'**purgeFlag:****Reference:** '#/components/schemas/PurgeFlag'**pei:****Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Pei'

**imsVoPs:**

**Reference:** '#/components/schemas/ImsVoPs'

**backupAmfInfo:**

**Type:** array

**Items:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/BackupAmfInfo'

## SmfRegistration

**Type:** object

**Required:**

- smfInstanceId
- pduSessionId
- singleNssai
- dnn
- plmnId

**Properties:**

**smfInstanceId:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/NfInstanceId'

**supportedFeatures:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'

**pduSessionId:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/PduSessionId'

**singleNssai:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Snssai'

**dnn:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Dnn'

**pcscfRestorationCallbackUri:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Uri'

**plmnId:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/PlmnId'

**pgwFqdn:**

**Type:** string

## SmsfRegistration

**Type:** object

**Required:**

- smsfInstanceId
- plmnId

**Properties:****smsfInstanceId:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/NfInstanceId'

**supportedFeatures:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'

**plmnId:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/PlmnId'

**smsfMAPAddress:**

**Reference:** '#/components/schemas/E164Number'

**smsfDiameterAddress:**

**Reference:** '#/components/schemas/NetworkNodeDiameterAddress'

## DeregistrationData

**Type:** object

**Required:**

- deregReason
- accessType

**Properties:****deregReason:**

**Reference:** '#/components/schemas/DeregistrationReason'

**accessType:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/AccessType'

## PcscfRestorationNotification

**Type:** object

**Required:**

- supi

**Properties:****supi:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Supi'

## NetworkNodeDiameterAddress

**Type:** object



**Required:**

- name
- realm

**Properties:****name:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/DiameterIdentity'

**realm:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/DiameterIdentity'

# SIMPLE TYPES:

## PurgeFlag

**Type:** boolean

## E164Number

**Type:** string

**Pattern:** '^[0-9]{1,15}\$'

## DualRegistrationFlag

**Type:** boolean

# ENUMS:

## ImsVoPs

**anyOf:**

- type: string

**enum:**

- HOMOGENEOUS\_SUPPORT
- HOMOGENEOUS\_NON\_SUPPORT
- NON\_HOMOGENEOUS\_OR\_UNKNOWN
- type: string

## DeregistrationReason

**anyOf:**

- type: string

**enum:**

- UE\_INITIAL\_REGISTRATION
- UE\_REGISTRATION\_AREA\_CHANGE
- SUBSCRIPTION\_WITHDRAWN

- 5GS\_TO\_EPS\_MOBILITY
- 5GS\_TO\_EPS\_MOBILITY\_UE\_INITIAL\_REGISTRATION
- REREGISTRATION\_REQUIRED
- type: string