



Nudm UECM

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OpenAPI

OpenAPI Version: 3.0.0

Info

Version: '1.0.0'
Title: 'Nudm_UECM'
Description: 'Nudm Context Management Service'

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.

Security

- oAuth2ClientCredentials:

```
- nudm-uecm
- {}
```

Paths

{ueId}/registrations/amf-3gpp-access

put:

Summary: register as AMF for 3GPP access

Operation ID: Registration

Tags:

- 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/JSON:

Schema:

Reference: '#/components/schemas/Amf3GppAccessRegistration'

Required/Optional: true

Responses:

'201':

Description: 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':

Description: OK

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/Amf3GppAccessRegistration'

```

'204':
  Description: 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':
    Description: 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':
    Description: 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':****Description:** 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':****Description:** 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':
Description: 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':
    Description: 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':
    Description: OK
    Content:
      Application/JSON:
        Schema:
          Reference: '#/components/schemas/AmfNon3GppAccessRegistration'
  '204':
    Description: 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':****Description:** 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':****Description:** 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':
Description: Expected response to a valid request

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

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

'422':
Description: 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':
Description: 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':
Description: 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':
Description: Expected response to a valid request
Content:
Application/JSON:
Schema:
Reference: '#/components/schemas/SmfRegistration'

'204':
Description: 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':
Description: 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':

Description: Expected response to a valid request

'400':

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

'404':

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

'422':

Description: 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':
    Description: 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':
    Description: Expected response to a valid request
    Content:
      Application/JSON:
        Schema:
          Reference: '#/components/schemas/SmsfRegistration'
  '204':
    Description: 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':
 - Description:** Expected response to a valid request
- '400':
 - Reference:** 'TS29571_CommonData.yaml#/components/responses/400'
- '404':
 - Reference:** 'TS29571_CommonData.yaml#/components/responses/404'
- '422':
 - Description:** 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':
 - Description:** 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':

Description: 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':
    Description: Expected response to a valid request
    Content:
      Application/JSON:
        Schema:
          Reference: '#/components/schemas/SmsfRegistration'
  '204':
    Description: 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':
      Description: Expected response to a valid request
    '400':
      Reference: 'TS29571_CommonData.yaml#/components/responses/400'
    '404':
      Reference: 'TS29571_CommonData.yaml#/components/responses/404'
    '422':
      Description: 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':
      Description: 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'
    amfServiceNamePcscfRest:
      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

```

External Docs

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/'

