



Namf MT

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OpenAPI

OpenAPI Version: 3.0.0

Info

Version: 1.0.0
Title: Namf_MT
Description: AMF Mobile Termination Service

Servers

URL: '{apiRoot}/namf-mt/v1'
Variables:
 API Root:
 Default: https://example.com
 Description: apiRoot as defined in subclause subclause 4.4 of 3GPP TS 29.501

Security

- {}

```
- oAuth2Clientcredentials:
  - namf-mt
```

Paths

```
'/ue-contexts/{ueContextId}':
```

```
get:
```

```
  Summary: Namf_MT Provide Domain Selection Info service Operation
```

```
  Tags:
```

```
    - ueContext (Document)
```

```
  Operation ID: Provide Domain Selection Info
```

```
  Parameters:
```

```
    - Name: ueContextId
```

```
      In: path
```

```
      Description: UE Context Identifier
```

```
      Required/Optional: true
```

```
      Schema:
```

```
        Type: string
```

```
        pattern: '^(imsi-[0-9]{5,15}|nai-.[+].+)$'
```

```
    - Name: info-class
```

```
      In: query
```

```
      Description: UE Context Information Class
```

```
      Schema:
```

```
        Reference: '#/components/schemas/UeContextInfoClass'
```

```
    - Name: supported-features
```

```
      In: query
```

```
      Description: Supported Features
```

```
      Schema:
```

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

```
  Responses:
```

```
    '200':
```

```
      Description: Requested UE Context Information returned
```

```
      Content:
```

```
        Application/JSON:
```

```
          Schema:
```

```
            Reference: '#/components/schemas/UeContextInfo'
```

```
    '307':
```

```
      Description: Temporary Redirect
```

```
      Content:
```

```
        application/problem+json:
```

```
          Schema:
```

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

```
    '400':
```

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

```
    '403':
```

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

```
    '404':
```

Reference: 'TS29571_CommonData.yaml#/components/responses/404'
'414':
Reference: 'TS29571_CommonData.yaml#/components/responses/414'
'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:
Description: Unexpected error

/ue-contexts/{ueContextId}/ue-reachind

Method: Post

Summary: Namf_MT EnableUEReachability service Operation

Tags:

- ueReachInd (Document)

Operation ID: EnableUeReachability

Parameters:

- **Name:** ueContextId

In: path

Description: UE Context Identifier

Required/Optional: true

Schema:

Type: string

Request Body:

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/EnableUeReachabilityReqData'

Required/Optional: true

Responses:

'200':

Description: UE has become reachable as desired

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/EnableUeReachabilityRspData'

'307':

Description: Temporary Redirect

Content:

application/problem+json:

Schema:

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

'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'
  '504':
    Reference: 'TS29571_CommonData.yaml#/components/responses/504'
Default:
  Description: Unexpected error

```

Components

securitySchemes:

oAuth2ClientCredentials:

Type: oauth2

Flows:

clientCredentials:

tokenUrl: '{nrfApiRoot}/oauth2/token'

scopes:

namf-mt: Access to the Namf_MT API

schemas:

EnableUeReachabilityReqData:

Type: object

Properties:

reachability:

Reference: 'TS29518_Namf_EventExposure.yaml#/components/schemas/UeReachability'

supportedFeatures:

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

Required:

- reachability

EnableUeReachabilityRspData:

Type: object

Properties:

reachability:

Reference: 'TS29518_Namf_EventExposure.yaml#/components/schemas/UeReachability'

supportedFeatures:

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

Required:

- reachability

```
UeContextInfo:
  Type: object
  Properties:
    supportVoPS:
      Type: boolean
    supportVoPSn3gpp:
      Type: boolean
    lastActTime:
      Reference: 'TS29571_CommonData.yaml#/components/schemas/DateTime'
    accessType:
      Reference: 'TS29571_CommonData.yaml#/components/schemas/AccessType'
    ratType:
      Reference: 'TS29571_CommonData.yaml#/components/schemas/RatType'
    supportedFeatures:
      Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'
UeContextInfoClass:
  anyOf:
  - type: string
  enum:
    - TADS
  - type: string
```

External Docs

Description: 3GPP TS 29.518 V15.2.0; 5G System; Access and Mobility Management Services
URL: 'http://www.3gpp.org/ftp/Specs/archive/29_series/29.518/'

