



# Namf\_MT

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Namf\_MT service allows a NF to request information related to capabilities to send MT signaling or data to a target UE. The following are the key functionalities of this NF service.

- Paging UE if UE is in IDLE state and respond other NF after the UE enters CM-CONNECTED state.
- Response to the requester NF if UE is in CONNECTED state.
- Providing the terminating domain selection information for IMS voice to the consumer NF
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## OpenAPI

OpenAPI Version: 3.0.0

## Info

**Version:** 1.0.2

**Title:** Namf\_MT

**Description:** |

AMF Mobile Termination Service

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## 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'

**Headers:**  
**Location:**  
**Description:** 'The URI of the resource located on the target NF Service Consumer (e.g. AMF) to which the request is redirected'  
**Required/Optional:** true  
**Schema:**  
**Type:** string

**'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

**put:**

**Summary:** Namf\_MT EnableUERachability 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'
    Headers:
      Location:
        Description: 'The URI of the resource located on the target NF Service Consumer
(e.g. AMF) to which the request is redirected'
        Required/Optional: true
        Schema:
          Type: string
  '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 V15.3.0; 5G System; Access and Mobility Management Services

**URL:** '[http://www.3gpp.org/ftp/Specs/archive/29\\_series/29.518/](http://www.3gpp.org/ftp/Specs/archive/29_series/29.518/)'