



Namf_Communication

This service enables an NF to communicate with the UE through N1 NAS messages or with the AN (both UE and non UE specific). The service operations defined below allow the NF to communicate with the UE and the AN. The following are the key functionalities of this NF service.

- Provide service operations for transporting N1 messages to the UE;
- Allow NFs to subscribe and unsubscribe for notifications of specific N1 messages from the UE;
- Allow NFs to subscribe and unsubscribe for notifications about specific information from AN;
- Provide service operations for initiating N2 messages towards the AN;
- Security Context Management; and
- UE information management and transfer (including its security context).

Reference: 3GPP TS 29.518 [14]

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OpenAPI

OpenAPI Version: 3.0.0

info

Version: 1.0.0

Title: Namf_Communication

Description: AMF Communication Service

externalDocs

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/'

security

- {}
- oAuth2Clientcredentials:
- namf-comm

servers

URL: '{apiRoot}/namf-comm/v1'

Variables:

API Root:

Default: https://example.com

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

paths

/ue-contexts/{ueContextId}

put:

Summary: Namf_Communication CreateUEContext service Operation

Tags:

- Individual ueContext (Document)

Operation ID: CreateUEContext

Parameters:

- name: ueContextId

In: path

Description: UE Context Identifier

Required/Optional: true

Schema:

Type: string

pattern: '^(5g-guti-[0-9]{5,6}[0-9a-fA-F]{14}|imsi-[0-9]{5,15}|nai-.+|imei-[0-9]{15}|imeisv-[0-9]{16}|.+)\$'

Request Body:

Content:

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

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/UeContextCreateData'

binaryDataN1Message:

Type: string

Format: binary

binaryDataN2Information:

Type: string

Format: binary

binaryDataN2InformationExt1:

Type: string

Format: binary

Encoding:

JSON Data:

Content Type: application/json

binaryDataN1Message:

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

Headers:

Content ID:

Schema:

Type: string

binaryDataN2Information:

Content Type: application/vnd.3gpp.ngap

Headers:

Content ID:

Schema:

Type: string

binaryDataN2InformationExt1:

Content Type: application/vnd.3gpp.ngap

Headers:

Content ID:

Schema:

Type: string

Required/Optional: true

Responses:

'201' UE context successfully created.

Headers:

Location:

Description: 'Contains the URI of the newly created resource, according to the structure: {apiRoot}/namf-comm/v1/ue-contexts/{ueContextId}'

Required/Optional: true

Schema:

Type: string

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/UeContextCreatedData'

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

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/UeContextCreatedData'

binaryDataN1Message:

Type: string

Format: binary

binaryDataN2Information:

Type: string

Format: binary

Encoding:

JSON Data:

Content Type: application/json

binaryDataN1Message:

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

Headers:

Content ID:

Schema:

Type: string

binaryDataN2Information:

Content Type: application/vnd.3gpp.ngap

Headers:

Content ID:

Schema:

Type: string

'400' Bad Request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/UeContextCreateError'

'403' Forbidden

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/UeContextCreateError'

'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' Internal Server Error

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/UeContextCreateError'

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

default:

Description: Unexpected error

/ue-contexts/{ueContextId}/release

Method: Post

Summary: Namf_Communication ReleaseUEContext service Operation

Tags:

- Individual ueContext (Document)

Operation ID: ReleaseUEContext

Parameters:

- name: ueContextId

In: path

Description: UE Context Identifier

Required/Optional: true

Schema:

Type: string

pattern: '^(5g-guti-[0-9]{5,6}[0-9a-fA-F]{14}|imsi-[0-9]{5,15}|nai-.+|imei-[0-9]{15}|imeisv-[0-9]{16}|.+)\$'

Request Body:

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/UEContextRelease'

Required/Optional: true

Responses:

'204': UE Context successfully released

'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:

Description: Unexpected error

/ue-contexts/{ueContextId}/assign-ebi

Method: Post

Summary: Namf_Communication EBI Assignment service Operation

Tags:

- Individual ueContext (Document)

Operation ID: EBIAssignment

Parameters:

- name: ueContextId

In: path

Description: UE Context Identifier

Required/Optional: true

Schema:

Type: string

pattern: `^(5g-guti-[0-9]{5,6}[0-9a-fA-F]{14}|imsi-[0-9]{5,15}|nai-.+|imei-[0-9]{15}|imeisv-[0-9]{16}|.+)$`

Request Body:

Content:

Application/JSON:

Schema:

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

Required/Optional: true

Responses:

'200' EBI Assignment successfully performed.

Content:

Application/JSON:

Schema:

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

'400' Bad Request

Content:

Application/JSON:

Schema:

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

'403' Forbidden

Content:

Application/JSON:

Schema:**Reference:** '#/components/schemas/AssignEbiError'

'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' Internal Server Error

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

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

default:**Description:** Unexpected error

/ue-contexts/{ueContextId}/transfer

Method: Post**Summary:** Namf_Communication UEContextTransfer service Operation**Tags:**

- Individual ueContext (Document)

Operation ID: UEContextTransfer**Parameters:**

- name: ueContextId

In: path**Description:** UE Context Identifier**Required/Optional:** true**Schema:****Type:** string**pattern:** '^((5g-guti-[0-9]{5,6}[0-9a-fA-F]{14}|imsi-[0-9]{5,15}|nai-.[+]|imei-[0-9]{15}|imeisv-[0-9]{16}|.+)\$'**Request Body:****Content:****Application/JSON:****Schema:****Reference:** '#/components/schemas/UeContextTransferReqData'

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

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/UeContextTransferReqData'

binaryDataN1Message:

Type: string

Format: binary

Encoding:

JSON Data:

Content Type: application/json

binaryDataN1Message:

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

Headers:

Content ID:

Schema:

Type: string

Required/Optional: true

Responses:

'200' UE context transfer successfully initiated.

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/UeContextTransferRspData'

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

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/UeContextTransferRspData'

binaryDataN2Information:

Type: string

Format: binary

Encoding:**JSON Data:****Content Type:** application/json**binaryDataN2Information:****Content Type:** application/vnd.3gpp.ngap**Headers:****Content ID:****Schema:****Type:** string

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

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

'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:**Description:** Unexpected error

/ue-contexts/{ueContextId}/transfer-update

Method: Post**Summary:** Namf_Communication RegistrationStatusUpdate service Operation**Tags:**

- Individual ueContext (Document)

Operation ID: RegistrationStatusUpdate**Parameters:**

- name: ueContextId

In: path**Description:** UE Context Identifier**Required/Optional:** true**Schema:****Type:** string**pattern:** '^(5g-guti-[0-9]{5,6}[0-9a-fA-F]{14}|imsi-[0-9]{5,15}|nai-+|imei-[0-9]{15}|imeisv-[0-9]{16}|.+)\$'

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

'200' UE context transfer status successfully updated.

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

'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'

/ue-contexts/{ueContextId}/n1-n2-messages

Method: Post**Summary:** Namf_Communication N1N2 Message Transfer (UE Specific) service Operation**Tags:**

- n1N2Message collection (Document)

Operation ID: N1N2MessageTransfer**Parameters:**

- name: ueContextId

In: path**Description:** UE Context Identifier**Required/Optional:** true

Schema:**Type:** string**pattern:** '^(\imsi-[0-9]{5,15}|nai-.+|imei-[0-9]{15}|imeisv-[0-9]{16}|cid-.{1,255}|.+)\$'**Request Body:****Content:****Application/JSON:****Schema:****Reference:** '#/components/schemas/N1N2MessageTransferReqData'**Multipart/Related:** # message with binary body part(s)**Schema:****Type:** object**Properties:** # Request parts**JSON Data:****Reference:** '#/components/schemas/N1N2MessageTransferReqData'**binaryDataN1Message:****Type:** string**Format:** binary**binaryDataN2Information:****Type:** string**Format:** binary**Encoding:****JSON Data:****Content Type:** application/json**binaryDataN1Message:****Content Type:** application/vnd.3gpp.5gnas**Headers:****Content ID:****Schema:****Type:** string**binaryDataN2Information:****Content Type:** application/vnd.3gpp.ngap**Headers:****Content ID:****Schema:**

Type: string

Required/Optional: true

Responses:

'202' N1N2 Message Transfer accepted.

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/N1N2MessageTransferRspData'

'200' N1N2 Message Transfer successfully initiated.

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/N1N2MessageTransferRspData'

'307' 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'

'409' Conflicts

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/N1N2MessageTransferError'

'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' Gateway Timeout

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/N1N2MessageTransferError'

default:

Description: Unexpected error

Callbacks:

onN1N2TransferFailure:

'{\$request.body#/n1n2FailureTxfNotifURI}':

Method: Post

Summary: Namf_Communication N1N2Transfer Failure Notification service Operation

Tags:

- N1N2 Transfer Failure Notification

Operation ID: N1N2TransferFailureNotification

Request Body:

Description: N1N2Transfer Failure Notification

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/N1N2MsgTxfrFailureNotification'

Responses:

'204': Expected response to a successful callback processing

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

'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'

/ue-contexts/{ueContextId}/n1-n2-messages/subscriptions

Method: Post

Summary: Namf_Communication N1N2 Message Subscribe (UE Specific) service Operation

Tags:

- N1N2 Subscriptions Collection for Individual UE Contexts (Document)

Operation ID: N1N2MessageSubscribe

Parameters:

- name: ueContextId

In: path

Description: UE Context Identifier

Required/Optional: true

Schema:

Type: string

pattern: `^(5g-guti-[0-9]{5,6}[0-9a-fA-F]{14}|imsi-[0-9]{5,15}|nai-+|imei-[0-9]{15}|imeisv-[0-9]{16}|.+)$'`

Request Body:

Content:

Application/JSON:

Schema:

Reference: `#/components/schemas/UeN1N2InfoSubscriptionCreateData'`

Required/Optional: true

Responses:

'201' N1N2 Message Subscription successfully created.

Headers:

Location:

Description: 'Contains the URI of the newly created resource, according to the structure: `{apiRoot}/namf-comm/v1/{ueContextId}/n1-n2-messages/subscriptions/{subscriptionId}'`

Required/Optional: true

Schema:

Type: string

Content:

Application/JSON:

Schema:

Reference: `#/components/schemas/UeN1N2InfoSubscriptionCreatedData'`

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

'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:**Description:** Unexpected error**Callbacks:****onN1N2MessageNotify:**

'\${request.body#/n1NotifyCallbackUri}':

Method: Post**Summary:** Namf_Communication N1 Message Notify service Operation**Tags:**

- N1 Message Notify

Operation ID: N1MessageNotify**Request Body:****Description:** N1 Message Notification**Content:****Multipart/Related:** # message with binary body part(s)**Schema:****Type:** object**Properties:** # Request parts**JSON Data:****Reference:** '#/components/schemas/N1MessageNotification'**binaryDataN1Message:****Type:** string**Format:** binary**Encoding:****JSON Data:****Content Type:** application/json**binaryDataN1Message:****Content Type:** application/vnd.3gpp.5gnas**Headers:****Content ID:****Schema:****Type:** string**Responses:**

'204' Expected response to a successful callback processing

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

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

'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'

'{\$request.body#/n2NotifyCallbackUri}':

Method: Post

Summary: Namf_Communication N2 Info Notify (UE Specific) service Operation

Tags:

- N2 Info Notify

Operation ID: N2InfoNotify

Request Body:

Description: UE Specific N2 Informaiton Notification

Content:

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

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/N2InformationNotification'

binaryDataN1Message:

Type: string

Format: binary

binaryDataN2Information:

Type: string

Format: binary

Encoding:

JSON Data:

Content Type: application/json

binaryDataN1Message:

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

Headers:

Content ID:**Schema:****Type:** string**binaryDataN2Information:****Content Type:** application/vnd.3gpp.ngap**Headers:****Content ID:****Schema:****Type:** string**Responses:**

'204': Expected response to a successful callback processing

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

'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'

/ue-contexts/{ueContextId}/n1-n2-messages/subscriptions/{subscriptionId}

delete:**Summary:** Namf_Communication N1N2 Message UnSubscribe (UE Specific) service Operation**Tags:**

- N1N2 Individual Subscription (Document)

Operation ID: N1N2MessageUnSubscribe**Parameters:**

- name: ueContextId

In: path**Description:** UE Context Identifier**Required/Optional:** true**Schema:****Type:** string**pattern:** '^(5g-guti-[0-9]{5,6}[0-9a-fA-F]{14}|imsi-[0-9]{5,15}|nai-.[+]|imei-[0-9]{15}|imeisv-[0-9]{16}|.+)\$'

- name: subscriptionId

In: path

Description: Subscription Identifier

Required/Optional: true

Schema:

Type: string

Responses:

'204': N1N2 Message Subscription successfully removed.

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

'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'

/non-ue-n2-messages/transfer

Method: Post

Summary: Namf_Communication Non UE N2 Message Transfer service Operation

Tags:

- Non UE N2Messages collection (Document)

Operation ID: NonUeN2MessageTransfer

Request Body:

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/N2InformationTransferReqData'

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

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/N2InformationTransferReqData'

binaryDataN2Information:

Type: string

Format: binary

Encoding:

JSON Data:

Content Type: application/json

binaryDataN2Information:

Content Type: application/vnd.3gpp.ngap

Headers:

Content ID:

Schema:

Type: string

Required/Optional: true

Responses:

'200' Non UE N2 Message Transfer successfully initiated.

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/N2InformationTransferRspData'

'400' Bad Request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/N2InformationTransferError'

'403' Forbidden

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/N2InformationTransferError'

'404' Not Found

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/N2InformationTransferError'

'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' Internal Server Error

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/N2InformationTransferError'

'503' Service Unavailable

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/N2InformationTransferError'

default:

Description: Unexpected error

/non-ue-n2-messages/subscriptions

Method: Post

Summary: Namf_Communication Non UE N2 Info Subscribe service Operation

Tags:

- Non UE N2Messages Subscriptions collection (Document)

Operation ID: NonUeN2InfoSubscribe

Request Body:

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/NonUeN2InfoSubscriptionCreateData'

Required/Optional: true

Responses:

'201' Non UE N2 Info Subscription successfully created.

Headers:

Location:

Description: 'Contains the URI of the newly created resource, according to the structure: {apiRoot}/namf-comm/v1/non-ue-n2-messages/subscriptions/{n2NotifySubscriptionId}'

Required/Optional: true

Schema:

Type: string

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/NonUeN2InfoSubscriptionCreatedData'

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

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

'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:

Description: Unexpected error

Callbacks:

onN2InfoNotify:

'{\$request.body#/n2NotifyCallbackUri}':

Method: Post

Summary: Namf_Communication Non UE N2 Info Notify service Operation

Tags:

- Non UE N2 Info Notify

Operation ID: NonUeN2InfoNotify

Request Body:

Description: Non UE N2 Informaiton Notification

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/N2InformationNotification'

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

Schema:

Type: object

Properties: # Request parts

JSON Data:

Reference: '#/components/schemas/N2InformationNotification'

binaryDataN2Information:

Type: string

Format: binary

Encoding:

JSON Data:

Content Type: application/json

binaryDataN2Information:

Content Type: application/vnd.3gpp.ngap

Headers:

Content ID:

Schema:

Type: string

Responses:

'204' Expected response to a successful callback processing

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

'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'

/non-ue-n2-messages/subscriptions/{n2NotifySubscriptionId}

delete:

Summary: Namf_Communication Non UE N2 Info UnSubscribe service Operation

Tags:

- Non UE N2 Message Notification Individual Subscription (Document)

Operation ID: NonUeN2InfoUnSubscribe

Parameters:

- name: n2NotifySubscriptionId

In: path

Description: N2 info Subscription Identifier

Required/Optional: true

Schema:

Type: string

Responses:

'204': Non UE N2 INfo Subscription successfully removed.

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

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

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

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

/subscriptions

Method: Post

Summary: Namf_Communication AMF Status Change Subscribe service Operation

Tags:

- subscriptions collection (Document)

Operation ID: AMFStatusChangeSubscribe

Request Body:

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SubscriptionData'

Required/Optional: true

Responses:

'201' N1N2 Message Subscription successfully created.

Headers:

Location:

Description: 'Contains the URI of the newly created resource, according to the structure: {apiRoot}/namf-comm/v1/subscriptions/{subscriptionId}'

Required/Optional: true

Schema:

Type: string

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SubscriptionData'

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

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

'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:

Description: Unexpected error

Callbacks:

onAmfStatusChange:

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

Method: Post

Summary: Amf Status Change Notify service Operation

Tags:

- Amf Status Change Notify

Operation ID: AmfStatusChangeNotify

Request Body:

Description: Amf Status Change Notification

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/AmfStatusChangeNotification'

Responses:

'204' Expected response to a successful callback processing

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

'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'

/subscriptions/{subscriptionId}

delete:

Summary: Namf_Communication AMF Status Change UnSubscribe service Operation

Tags:

- individual subscription (Document)

Operation ID: AMFStatusChangeUnSubscribe

Parameters:

- name: subscriptionId

In: path

Description: AMF Status Change Subscription Identifier

Required/Optional: true

Schema:

Type: string

Responses:

'204': N1N2 Message Subscription successfully removed.

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

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

'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

put:

Summary: Namf_Communication AMF Status Change Subscribe Modify service Operation

Tags:

- individual subscription (Document)

Operation ID: AMFStatusChangeSubscribeModify

Parameters:

- name: subscriptionId

In: path

Description: AMF Status Change Subscription Identifier

Required/Optional: true

Schema:

Type: string

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

'202' N1N2 Message Subscription successfully updated.

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

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

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

'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:**Description:** Unexpected error**Callbacks:****OnAmfStatusChange:**

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

Method: Post**Summary:** Amf Status Change Notify service Operation**Tags:**

- Amf Status Change Notify

Operation ID: AmfStatusChangeNOTify**Request Body:****Description:** Amf Status Change Notification**Content:****Application/JSON:**

Schema:

Reference: '#/components/schemas/AmfStatusChangeNotification'

Responses:

'204': Expected response to a successful callback processing

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

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

'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'

components

securitySchemes

oAuth2ClientCredentials

Type: oauth2

Flows:

clientCredentials:

tokenUrl: '{nrfApiRoot}/oauth2/token'

scopes:

namf-comm: Access to the Namf_Communication API

schemas

STRUCTURED DATA TYPES

SubscriptionData

Type: object

Properties:

amfStatusUri:

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

guamiList:

Type: array

Items:

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

minItems: 1

Required:

- amfStatusUri

AmfStatusChangeNotification

Type: object

Properties:

amfStatusInfoList:

Type: array

Items:

Reference: '#/components/schemas/AmfStatusInfo'

minItems: 1

Required:

- amfStatusInfo

AmfStatusInfo

Type: object

Properties:

guamiList:

Type: array

Items:

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

minItems: 1

statusChange:

Reference: '#/components/schemas/StatusChange'

targetAmfRemoval:

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

targetAmfFailure:

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

Required:

- guamis

- statusChange

AssignEbiData

Type: object

Properties:

pduSessionId:

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

arpList:

Type: array

Items:

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

minItems: 1

releasedEbiList:

Type: array

Items:

Reference: '#/components/schemas/EpsBearerId'

minItems: 1

Required:

- pduSessionId

AssignedEbiData

Type: object

Properties:

pduSessionId:

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

assignedEbiList:

Type: array

Items:

Reference: 'TS29502_Nsmf_PDUSession.yaml#/components/schemas/EbiArpMapping'

minItems: 0

failedArpList:

Type: array

Items:

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

minItems: 1

releasedEbiList:

Type: array
Items:
Reference: '#/components/schemas/EpsBearerId'
minItems: 1
Required:
- pduSessionId
- assignedEbis

AssignEbiFailed

Type: object
Properties:
pduSessionId:
Reference: 'TS29571_CommonData.yaml#/components/schemas/PduSessionId'
failedArpList:
Type: array
Items:
Reference: 'TS29571_CommonData.yaml#/components/schemas/Arp'
minItems: 1
Required:
- pduSessionId

UEContextRelease

Type: object
Properties:
supi:
Reference: 'TS29571_CommonData.yaml#/components/schemas/Supi'
unauthenticatedSupi:
Type: boolean
Default: false
ngapCause:
Reference: 'TS29571_CommonData.yaml#/components/schemas/NgapCause'
Required:
- ngapCause

N2InformationTransferReqData

Type: object

Properties:**taiList:****Type:** array**Items:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Tai'**minItems:** 1**ratSelector:****Reference:** '#/components/schemas/RatSelector'**ecgiList:****Type:** array**Items:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Ecgi'**minItems:** 1**ncgiList:****Type:** array**Items:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Ncgi'**minItems:** 1**globalRanNodeList:****Type:** array**Items:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/GlobalRanNodeId'**minItems:** 1**n2Information:****Reference:** '#/components/schemas/N2InfoContainer'**supportedFeatures:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'**Required:**

- n2Information

NonUeN2InfoSubscriptionCreateData**Type:** object**Properties:****globalRanNodeList:****Type:** array

Items:**Reference:** 'TS29571_CommonData.yaml#/components/schemas/GlobalRanNodeId'**minItems:** 1**anTypeList:****Type:** array**Items:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/AccessType'**minItems:** 1**n2InformationClass:****Reference:** '#/components/schemas/N2InformationClass'**n2NotifyCallbackUri:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Uri'**nfId:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/NfInstanceId'**supportedFeatures:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'**Required:**

- n2InformationClass
- n2NotifyCallbackUri

NonUeN2InfoSubscriptionCreatedData**Type:** object**Properties:****n2NotifySubscriptionId:****Type:** string**supportedFeatures:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'**Required:**

- n2NotifySubscriptionId

UeN1N2InfoSubscriptionCreateData**Type:** object**Properties:****n2InformationClass:****Reference:** '#/components/schemas/N2InformationClass'

n2NotifyCallbackUri:

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

n1MessageClass:

Reference: '#/components/schemas/N1MessageClass'

n1NotifyCallbackUri:

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

nfId:

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

supportedFeatures:

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

UeN1N2InfoSubscriptionCreatedData

Type: object

Properties:

n1n2NotifySubscriptionId:

Type: string

supportedFeatures:

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

Required:

- n1n2NotifySubscriptionId

N2InformationNotification

Type: object

Properties:

n2NotifySubscriptionId:

Type: string

n2InfoContainer:

Reference: '#/components/schemas/N2InfoContainer'

toReleaseSessionList:

Type: array

Items:

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

minItems: 1

lcsCorrelationId:

Reference: 'TS29572_Nlmf_Location.yaml#/components/schemas/CorrelationID'

notifyReason:**Reference:** '#/components/schemas/N2InfoNotifyReason'**Required:**

- n2NotifySubscriptionId

N2InfoContainer**Type:** object**Properties:****n2InformationClass:****Reference:** '#/components/schemas/N2InformationClass'**smInfo:****Reference:** '#/components/schemas/N2SmInformation'**ranInfo:****Reference:** '#/components/schemas/N2RanInformation'**nrppaInfo:****Reference:** '#/components/schemas/NrppaInformation'**pwsInfo:****Reference:** '#/components/schemas/PwsInformation'**Required:**

- n2InformationClass

N1MessageNotification**Type:** object**Properties:****n1NotifySubscriptionId:****Type:** string**n1MessageContainer:****Reference:** '#/components/schemas/N1MessageContainer'**lcsCorrelationId:****Reference:** 'TS29572_Nlmf_Location.yaml#/components/schemas/CorrelationID'**registrationCtxtContainer:****Reference:** '#/components/schemas/RegistrationContextContainer'**Required:**

- n1MessageContainer

N1MessageContainer

Type: object

Properties:

n1MessageClass:

Reference: '#/components/schemas/N1MessageClass'

n1MessageContent:

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

n1Id:

Reference: 'TS29571_CommonData.yaml#/components/schemas/N1InstanceId'

Required:

- n1MessageClass
- n1MessageContent

N1N2MessageTransferReqData

Type: object

Properties:

n1MessageContainer:

Reference: '#/components/schemas/N1MessageContainer'

n2InfoContainer:

Reference: '#/components/schemas/N2InfoContainer'

skipInd:

Type: boolean

Default: false

lastMsgIndication:

Type: boolean

pduSessionId:

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

lcsCorrelationId:

Reference: 'TS29572_Nlmf_Location.yaml#/components/schemas/CorrelationID'

ppi:

Reference: '#/components/schemas/Ppi'

arp:

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

5qi:

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

n1n2FailureTxfNotifURI:

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

smfReallocationInd:

Type: boolean

Default: false

areaOfValidity:

Reference: '#/components/schemas/AreaOfValidity'

supportedFeatures:

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

N1N2MessageTransferRspData

Type: object

Properties:

cause:

Reference: '#/components/schemas/N1N2MessageTransferCause'

supportedFeatures:

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

Required:

- cause

RegistrationContextContainer

Type: object

Properties:

ueContext:

Reference: '#/components/schemas/UeContext'

localTimeZone:

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

anType:

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

anN2ApId:

Type: integer

ranNodeId:

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

initialAmfName:

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

userLocation:

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

rrcEstCause:

Type: string

Pattern: '^[0-9a-fA-F]+\$'

ueContextRequest:

Type: boolean

Default: false

anN2IPv4Addr:

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

anN2IPv6Addr:

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

allowedNssai:

Reference: 'TS29531_Nnssf_NSSelection.yaml#/components/schemas/AllowedNssai'

configuredNssai:

Type: array

Items:

Reference: 'TS29531_Nnssf_NSSelection.yaml#/components/schemas/ConfiguredNssai'

minItems: 1

rejectedNssaiInPlmn:

Type: array

Items:

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

minItems: 1

rejectedNssaiInTa:

Type: array

Items:

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

minItems: 1

Required:

- ueContext

- anType

- anN2ApId

- ranNodeId
- initialAmfName
- userLocation

AreaOfValidity

Type: object

Properties:

taiList:

Type: array

Items:

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

minItems: 0

Required:

- taiList

UeContextTransferReqData

Type: object

Properties:

reason:

Reference: '#/components/schemas/TransferReason'

accessType:

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

plmnId:

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

regRequest:

Reference: '#/components/schemas/N1MessageContainer'

supportedFeatures:

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

Required:

- reason
- accessType

UeContextTransferRspData

Type: object

Properties:

ueContext:

Reference: '#/components/schemas/UeContext'

ueRadioCapability:

Reference: '#/components/schemas/N2InfoContent'

supportedFeatures:

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

Required:

- ueContext

UeContext

Type: object

Properties:

supi:

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

supiUnauthInd:

Type: boolean

gpsiList:

Type: array

Items:

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

minItems: 1

pei:

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

udmGroupId:

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

ausfGroupId:

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

routingIndicator:

Type: string

groupList:

Type: array

Items:

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

minItems: 1

drxParameter:

Reference: '#/components/schemas/DrxParameter'

subRfsp:**Reference:** 'TS29571_CommonData.yaml#/components/schemas/RfspIndex'**usedRfsp:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/RfspIndex'**subUeAmbr:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Ambr'**smsSupport:****Reference:** '#/components/schemas/SmsSupport'**smsfId:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/NfInstanceId'**seafData:****Reference:** '#/components/schemas/SeafData'**5gMmCapability:****Reference:** '#/components/schemas/5GMmCapability'**pcfId:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/NfInstanceId'**pcfAmPolicyUri:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Uri'**amPolicyReqTriggerList:****Type:** array**Items:****Reference:** '#/components/schemas/AMPolicyReqTrigger'**minItems:** 1**hpcfId:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/NfInstanceId'**restrictedRatList:****Type:** array**Items:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/RatType'**minItems:** 1**forbiddenAreaList:****Type:** array**Items:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Area'

minItems: 1

serviceAreaRestriction:

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

restrictedCoreNwTypeList:

Type: array

Items:

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

minItems: 1

eventSubscriptionList:

Type: array

Items:

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

minItems: 1

mmContextList:

Type: array

Items:

Reference: '#/components/schemas/MmContext'

minItems: 1

maxItems: 2

sessionContextList:

Type: array

Items:

Reference: '#/components/schemas/PduSessionContext'

minItems: 1

traceData:

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

N2SmlInformation

Type: object

Properties:

pduSessionId:

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

n2InfoContent:

Reference: '#/components/schemas/N2InfoContent'

sNssai:

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

subjectToHo:

Type: boolean

Required:

- pduSessionId

N2InfoContent

Type: object

Properties:

ngapMessageType:

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

ngapIeType:

Reference: '#/components/schemas/NgapIeType'

ngapData:

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

Required:

- ngapIeType

- ngapData

NrppaInformation

Type: object

Properties:

nfId:

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

nrppaPdu:

Reference: '#/components/schemas/N2InfoContent'

Required:

- nfId

- nrppaPdu

PwsInformation

Type: object

Properties:

messageIdentifier:

Reference: 'TS29571_CommonData.yaml#/components/schemas/Uint16'

serialNumber:

Reference: 'TS29571_CommonData.yaml#/components/schemas/Uint16'

pwsContainer:

Reference: '#/components/schemas/N2InfoContent'

sendRanResponse:

Type: boolean

Default: false

omcId:

Reference: '#/components/schemas/OmcIdentifier'

Required:

- messageIdIdentifier
- serialNumber
- pwsContainer

N1N2MsgTxfrFailureNotification

Type: object

Properties:

cause:

Reference: '#/components/schemas/N1N2MessageTransferCause'

n1n2MsgDataUri:

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

Required:

- cause
- n1n2MsgDataUri

N1N2MessageTransferError

Type: object

Properties:

error:

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

errInfo:

Reference: '#/components/schemas/N1N2MsgTxfrErrDetail'

Required:

- error

N1N2MsgTxfrErrDetail

Type: object

Properties:**retryAfter:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Uinteger'**highestPrioArp:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Arp'**N2InformationTransferRspData****Type:** object**Properties:****result:****Reference:** '#/components/schemas/N2InformationTransferResult'**pwsRspData:****Reference:** '#/components/schemas/PWSResponseData'**supportedFeatures:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'**Required:**

- result

MmContext**Type:** object**Properties:****accessType:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/AccessType'**nasSecurityMode:****Reference:** '#/components/schemas/NasSecurityMode'**nasDownlinkCount:****Reference:** '#/components/schemas/NasCount'**nasUplinkCount:****Reference:** '#/components/schemas/NasCount'**ueSecurityCapability:****Reference:** '#/components/schemas/UeSecurityCapability'**s1UeNetworkCapability:****Reference:** '#/components/schemas/S1UeNetworkCapability'**allowedNssai:****Type:** array

Items:**Reference:** 'TS29571_CommonData.yaml#/components/schemas/Snssai'**minItems:** 1**nssaiMappingList:****Type:** array**Items:****Reference:** '#/components/schemas/NssaiMapping'**minItems:** 1**nsInstanceList:****Type:** array**Items:****Reference:** 'TS29531_Nnssf_NSSelection.yaml#/components/schemas/NsiId'**minItems:** 1**expectedUEbehavior:****Reference:** '#/components/schemas/ExpectedUeBehavior'**Required:**

- accessType

SeafData**Type:** object**Properties:****ngKsi:****Reference:** '#/components/schemas/NgKsi'**keyAmf:****Reference:** '#/components/schemas/KeyAmf'**nh:****Type:** string**Pattern:** '^[A-Fa-f0-9]+\$'**ncc:****Type:** integer**Minimum:** 0**Maximum:** 7**keyAmfChangeInd:****Type:** boolean**keyAmfHDerivationInd:**

Type: boolean

Required:

- ngKsi

- keyAmf

NasSecurityMode

Type: object

Properties:

integrityAlgorithm:

Reference: '#/components/schemas/IntegrityAlgorithm'

cipheringAlgorithm:

Reference: '#/components/schemas/CipheringAlgorithm'

Required:

- integrityAlgorithm

- cipheringAlgorithm

PduSessionContext

Type: object

Properties:

pduSessionId:

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

smContextRef:

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

sNssai:

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

dnn:

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

accessType:

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

allocatedEbiList:

Type: array

Items:

Reference: 'TS29502_Nsmf_PDUSession.yaml#/components/schemas/EbiArpMapping'

minItems: 1

hsmfId:

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

vsmfId:

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

nsInstance:

Reference: 'TS29531_Nnssf_NSSelection.yaml#/components/schemas/NsiId'

Required:

- pduSessionId
- smContextRef
- sNssai
- dnn
- accessType
- allocatedEbiList

NssaiMapping

Type: object

Properties:

mappedSnssai:

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

hSnssai:

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

Required:

- mappedSnssai
- hSnssai

UeRegStatusUpdateReqData

Type: object

Properties:

transferStatus:

Reference: '#/components/schemas/UeContextTransferStatus'

toReleaseSessionList:

Type: array

Items:

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

minItems: 1

pcfReselectedInd:

Type: boolean

Required:

- transferStatus

UeRegStatusUpdateRspData

Type: object

Properties:

regStatusTransferComplete:

Type: boolean

Required:

- regStatusTransferComplete

AssignEbiError

Type: object

Properties:

error:

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

failureDetails:

Reference: '#/components/schemas/AssignEbiFailed'

Required:

- error

- failureDetails

UeContextCreateData

Type: object

Properties:

ueContext:

Reference: '#/components/schemas/UeContext'

targetId:

Reference: '#/components/schemas/NgRanTargetId'

sourceToTargetData:

Reference: '#/components/schemas/N2InfoContent'

pduSessionList:

Type: array

Items:

Reference: '#/components/schemas/N2SmInformation'

minItems: 1

n2NotifyUri:

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

ueRadioCapability:

Reference: '#/components/schemas/N2InfoContent'

ngapCause:

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

supportedFeatures:

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

Required:

- ueContext
- targetId
- sourceToTargetData
- pduSessions

UeContextCreatedData

Type: object

Properties:

ueContext:

Reference: '#/components/schemas/UeContext'

targetToSourceData:

Reference: '#/components/schemas/N2InfoContent'

pduSessionList:

Type: array

Items:

Reference: '#/components/schemas/N2SmInformation'

minItems: 1

ngapCause:

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

failedSessionList:

Type: array

Items:

Reference: '#/components/schemas/N2SmInformation'

minItems: 1

supportedFeatures:

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

pcfReselectedInd:

Type: boolean

Required:

- ueContext
- targetToSourceData
- pduSessions

UeContextCreateError

Type: object

Properties:

error:

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

ngapCause:

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

Required:

- error

NgRanTargetId

Type: object

Properties:

ranNodeId:

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

tai:

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

Required:

- ranNodeId
- tai

PWSResponseData

Type: object

Properties:

ngapMessageType:

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

serialNumber:

Reference: 'TS29571_CommonData.yaml#/components/schemas/Uint16'

messageIdentifier:**Type:** integer**unknownTaiList:****Type:** array**Items:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Tai'**minItems:** 1**Required:**

- ngapMessageType
- serialNumber
- messageIdentifier

PWSErrorData**Type:** object**Properties:****namfCause:****Type:** integer**Required:**

- namfCause

N2InformationTransferError**Type:** object**Properties:****error:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'**pwdErrorInfo:****Reference:** '#/components/schemas/PWSErrorData'**Required:**

- error

NgKsi**Type:** object**Properties:****tsc:****Reference:** '#/components/schemas/ScType'**ksi:**

Type: integer

Minimum: 0

Maximum: 6

Required:

- tsc

- ksi

KeyAmf

Type: object

Properties:

keyType:

Reference: '#/components/schemas/KeyAmfType'

keyVal:

Type: string

Required:

- keyType

- keyVal

ExpectedUeBehavior

Type: object

Properties:

expMoveTrajectory:

Type: array

Items:

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

minItems: 1

validityTime:

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

Required:

- expMoveTrajectory

- validityTime

N2RanInformation

Type: object

Properties:

n2InfoContent:

Reference: '#/components/schemas/N2InfoContent'

Required:

- n2InfoContent

SIMPLE DATA TYPES

EpsBearerId

Type: integer

Minimum: 0

Maximum: 15

Ppi

Type: integer

Minimum: 0

Maximum: 7

NasCount

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

5GMmCapability

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

UeSecurityCapability

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

S1UeNetworkCapability

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

DrxParameter

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

OmIdentifier

Type: string

ENUMERATIONS

StatusChange

anyOf:

- type: string

N2InformationClass

anyOf:

- type: string

N1MessageClass

anyOf:

- type: string

N1N2MessageTransferCause

anyOf:

- type: string

UeContextTransferStatus

anyOf:

- type: string

N2InformationTransferResult

anyOf:

- type: string

CipheringAlgorithm

anyOf:

- type: string

IntegrityAlgorithm

anyOf:

- type: string

SmsSupport

anyOf:

- type: string

ScType

anyOf:

- type: string

KeyAmfType

anyOf:

- type: string

TransferReason

anyOf:

- type: string

AMPolicyReqTrigger

anyOf:

- type: string

RatSelector

anyOf:

- type: string

NgapleType

anyOf:

- type: string

N2InfoNotifyReason

anyOf:

- type: string