



NIDD

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OpenAPI

OpenAPI Version: 3.0.0

Info

Title: 3gpp-nidd
Version: "1.0.0"

Servers

URL: '{apiRoot}/3gpp-nidd/v1'

Variables:

API Root:

Default: https://example.com

Description: apiRoot as defined in subclause 5.2.4 of 3GPP TS 29.122.

Security

- {}
- oAuth2ClientCredentials: []

Paths

{scsAsId}/configurations

Parameters:

- **Name:** scsAsId
- Description:** String identifying the SCS/AS.
- In:** path
- Required/Optional:** true
- Schema:**
 - Type:** string

get:

Responses:

- '200':
 - Description:** all NIDD configurations.
 - Content:**
 - Application/JSON:**
 - Schema:**
 - Type:** array
 - Items:**
 - Reference:** '#/components/schemas/NiddConfiguration'
 - Min Items:** 0
 - Description:** individual NIDD configuration.
- '400':
 - Reference:** 'TS29122_CommonData.yaml#/components/responses/400'
- '401':
 - Reference:** 'TS29122_CommonData.yaml#/components/responses/401'
- '403':
 - Reference:** 'TS29122_CommonData.yaml#/components/responses/403'
- '404':
 - Reference:** 'TS29122_CommonData.yaml#/components/responses/404'
- '406':
 - Reference:** 'TS29122_CommonData.yaml#/components/responses/406'
- '429':
 - Reference:** 'TS29122_CommonData.yaml#/components/responses/429'
- '500':
 - Reference:** 'TS29122_CommonData.yaml#/components/responses/500'
- '503':
 - Reference:** 'TS29122_CommonData.yaml#/components/responses/503'
- Default:**
 - Reference:** 'TS29122_CommonData.yaml#/components/responses/default'

Method: Post

Request Body:

- Description:** Contains the data to create a NIDD configuration.
- Required/Optional:** true
- Content:**

```

Application/JSON:
  Schema:
    Reference: '#/components/schemas/NiddConfiguration'

Responses:
  '201':
    Description: NIDD configuration is successfully created.
    Content:
      Application/JSON:
        Schema:
          Reference: '#/components/schemas/NiddConfiguration'
      Headers:
        Location:
          Description: 'Contains the URI of the newly created resource'
          Required/Optional: true
          Schema:
            Type: string
  '400':
    Reference: 'TS29122_CommonData.yaml#/components/responses/400'
  '401':
    Reference: 'TS29122_CommonData.yaml#/components/responses/401'
  '403':
    Reference: 'TS29122_CommonData.yaml#/components/responses/403'
  '404':
    Reference: 'TS29122_CommonData.yaml#/components/responses/404'
  '411':
    Reference: 'TS29122_CommonData.yaml#/components/responses/411'
  '413':
    Reference: 'TS29122_CommonData.yaml#/components/responses/413'
  '415':
    Reference: 'TS29122_CommonData.yaml#/components/responses/415'
  '429':
    Reference: 'TS29122_CommonData.yaml#/components/responses/429'
  '500':
    Reference: 'TS29122_CommonData.yaml#/components/responses/500'
  '503':
    Reference: 'TS29122_CommonData.yaml#/components/responses/503'
Default:
  Reference: 'TS29122_CommonData.yaml#/components/responses/default'
Callbacks:
  niddNotifications:
    '{$request.body#/notificationDestination}':
      Method: Post
      Request Body:
        Description: Notification for NIDD configuration status, MO NIDD, MT NIDD
        delivery report.
      Content:
        Application/JSON:
          Schema:
            oneOf:
              - $ref: '#/components/schemas/NiddConfigurationStatusNotification'
              - $ref: '#/components/schemas/NiddUplinkDataNotification'

```

{/scsAsId}/configurations/{configurationId}

```

      - $ref:
'#/components/schemas/NiddDownlinkDataDeliveryStatusNotification'
      - $ref: '#/components/schemas/GmdNiddDownlinkDataDeliveryNotification'

    Responses:
      '204':
        Description: Expected response to a successful callback processing without
a body
      '200':
        Description: Expected response to a successful callback processing with
a body
        Content:
          Application/JSON:
            Schema:
              Reference:
'TS29122_CommonData.yaml#/components/schemas/Acknowledgement'
      '400':
        Reference: 'TS29122_CommonData.yaml#/components/responses/400'
      '401':
        Reference: 'TS29122_CommonData.yaml#/components/responses/401'
      '403':
        Reference: 'TS29122_CommonData.yaml#/components/responses/403'
      '404':
        Reference: 'TS29122_CommonData.yaml#/components/responses/404'
      '411':
        Reference: 'TS29122_CommonData.yaml#/components/responses/411'
      '413':
        Reference: 'TS29122_CommonData.yaml#/components/responses/413'
      '415':
        Reference: 'TS29122_CommonData.yaml#/components/responses/415'
      '429':
        Reference: 'TS29122_CommonData.yaml#/components/responses/429'
      '500':
        Reference: 'TS29122_CommonData.yaml#/components/responses/500'
      '503':
        Reference: 'TS29122_CommonData.yaml#/components/responses/503'
    Default:
      Reference: 'TS29122_CommonData.yaml#/components/responses/default'

```

{/scsAsId}/configurations/{configurationId}

Parameters:

- **Name:** scsAsId
Description: String identifying the SCS/AS.
In: path
Required/Optional: true
Schema:
Type: string
- **Name:** configurationId

Description: String identifying the individual NIDD configuration resource in the SCEF.

In: path

Required/Optional: true

Schema:

Type: string

get:

Responses:

'200':

Description: The individual NIDD configuration is successfully retrieved.

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/NiddConfiguration'

'400':

Reference: 'TS29122_CommonData.yaml#/components/responses/400'

'401':

Reference: 'TS29122_CommonData.yaml#/components/responses/401'

'403':

Reference: 'TS29122_CommonData.yaml#/components/responses/403'

'404':

Reference: 'TS29122_CommonData.yaml#/components/responses/404'

'406':

Reference: 'TS29122_CommonData.yaml#/components/responses/406'

'429':

Reference: 'TS29122_CommonData.yaml#/components/responses/429'

'500':

Reference: 'TS29122_CommonData.yaml#/components/responses/500'

'503':

Reference: 'TS29122_CommonData.yaml#/components/responses/503'

Default:

Reference: 'TS29122_CommonData.yaml#/components/responses/default'

patch:

Request Body:

Description: Contains information to be applied to the individual NIDD configuration.

Required/Optional: true

Content:

application/merge-patch+json:

Schema:

Reference: '#/components/schemas/NiddConfigurationPatch'

Responses:

'200':

Description: The Individual NIDD configuration is modified successfully and a representation of that resource is returned.

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/NiddConfiguration'

'204':

Description: The Individual NIDD configuration is modified successfully.

'400':
Reference: 'TS29122_CommonData.yaml#/components/responses/400'

'401':
Reference: 'TS29122_CommonData.yaml#/components/responses/401'

'403':
Reference: 'TS29122_CommonData.yaml#/components/responses/403'

'404':
Reference: 'TS29122_CommonData.yaml#/components/responses/404'

'411':
Reference: 'TS29122_CommonData.yaml#/components/responses/411'

'413':
Reference: 'TS29122_CommonData.yaml#/components/responses/413'

'415':
Reference: 'TS29122_CommonData.yaml#/components/responses/415'

'429':
Reference: 'TS29122_CommonData.yaml#/components/responses/429'

'500':
Reference: 'TS29122_CommonData.yaml#/components/responses/500'

'503':
Reference: 'TS29122_CommonData.yaml#/components/responses/503'

Default:
Reference: 'TS29122_CommonData.yaml#/components/responses/default'

delete:

Responses:

'204':
Description: The Individual NIDD configuration is deleted.

'400':
Reference: 'TS29122_CommonData.yaml#/components/responses/400'

'401':
Reference: 'TS29122_CommonData.yaml#/components/responses/401'

'403':
Reference: 'TS29122_CommonData.yaml#/components/responses/403'

'404':
Reference: 'TS29122_CommonData.yaml#/components/responses/404'

'429':
Reference: 'TS29122_CommonData.yaml#/components/responses/429'

'500':
Reference: 'TS29122_CommonData.yaml#/components/responses/500'

'503':
Reference: 'TS29122_CommonData.yaml#/components/responses/503'

Default:
Reference: 'TS29122_CommonData.yaml#/components/responses/default'

/{scsAsId}/configurations/{configurationId}/downlink-data-deliveries**Parameters:**

- **Name:** scsAsId

Description: String identifying the SCS/AS.
In: path
Required/Optional: true
Schema:
Type: string

- Name: configurationId
Description: String identifying the individual NIDD configuration resource in the SCEF.
In: path
Required/Optional: true
Schema:
Type: string

get:

Responses:
'200':
Description: all NIDD downlink data deliveries.
Content:
Application/JSON:
Schema:
Type: array
Items:
Reference: '#/components/schemas/NiddDownlinkDataTransfer'
Min Items: 0
Description: individual NIDD downlink data delivery.

'400':
Reference: 'TS29122_CommonData.yaml#/components/responses/400'

'401':
Reference: 'TS29122_CommonData.yaml#/components/responses/401'

'403':
Reference: 'TS29122_CommonData.yaml#/components/responses/403'

'404':
Reference: 'TS29122_CommonData.yaml#/components/responses/404'

'406':
Reference: 'TS29122_CommonData.yaml#/components/responses/406'

'429':
Reference: 'TS29122_CommonData.yaml#/components/responses/429'

'500':
Reference: 'TS29122_CommonData.yaml#/components/responses/500'

'503':
Reference: 'TS29122_CommonData.yaml#/components/responses/503'

Default:
Reference: 'TS29122_CommonData.yaml#/components/responses/default'

Method: Post

Request Body:
Description: Contains the data to create a NIDD downlink data delivery.
Required/Optional: true
Content:
Application/JSON:
Schema:
Reference: '#/components/schemas/NiddDownlinkDataTransfer'

Responses:

```

'200':
  Description: NIDD downlink data delivery is successful.
  Content:
    Application/JSON:
      Schema:
        Reference: '#/components/schemas/NiddDownlinkDataTransfer'
'201':
  Description: NIDD downlink data delivery is pending.
  Content:
    Application/JSON:
      Schema:
        Reference: '#/components/schemas/NiddDownlinkDataTransfer'
  Headers:
    Location:
      Description: 'Contains the URI of the newly created resource'
      Required/Optional: true
      Schema:
        Type: string
'400':
  Reference: 'TS29122_CommonData.yaml#/components/responses/400'
'401':
  Reference: 'TS29122_CommonData.yaml#/components/responses/401'
'403':
  Reference: 'TS29122_CommonData.yaml#/components/responses/403'
'404':
  Reference: 'TS29122_CommonData.yaml#/components/responses/404'
'411':
  Reference: 'TS29122_CommonData.yaml#/components/responses/411'
'413':
  Reference: 'TS29122_CommonData.yaml#/components/responses/413'
'415':
  Reference: 'TS29122_CommonData.yaml#/components/responses/415'
'429':
  Reference: 'TS29122_CommonData.yaml#/components/responses/429'
'500':
  Description: The NIDD downlink data delivery request was not successful.
  Content:
    Application/JSON:
      Schema:
        Reference: '#/components/schemas/NiddDownlinkDataDeliveryFailure'
'503':
  Reference: 'TS29122_CommonData.yaml#/components/responses/503'
Default:
  Reference: 'TS29122_CommonData.yaml#/components/responses/default'

```

/{scsAsId}/configurations/{configurationId}/downlink-data-deliveries/{downlinkData

Parameters:

- **Name:** scsAsId
Description: String identifying the SCS/AS.
In: path
Required/Optional: true
Schema:
Type: string

- **Name:** configurationId
Description: String identifying the individual NIDD configuration resource in the SCEF.
In: path
Required/Optional: true
Schema:
Type: string

- **Name:** downlinkDataDeliveryId
Description: String identifying the individual NIDD downlink data delivery in the SCEF.
In: path
Required/Optional: true
Schema:
Type: string

get:

Responses:**'200':****Description:** The individual NIDD downlink data delivery is successfully retrieved.**Content:****Application/JSON:****Schema:****Reference:** '#/components/schemas/NiddDownlinkDataTransfer'**'400':****Reference:** 'TS29122_CommonData.yaml#/components/responses/400'**'401':****Reference:** 'TS29122_CommonData.yaml#/components/responses/401'**'403':****Reference:** 'TS29122_CommonData.yaml#/components/responses/403'**'404':****Reference:** 'TS29122_CommonData.yaml#/components/responses/404'**'406':****Reference:** 'TS29122_CommonData.yaml#/components/responses/406'**'429':****Reference:** 'TS29122_CommonData.yaml#/components/responses/429'**'500':****Reference:** 'TS29122_CommonData.yaml#/components/responses/500'**'503':****Reference:** 'TS29122_CommonData.yaml#/components/responses/503'**Default:****Reference:** 'TS29122_CommonData.yaml#/components/responses/default'**put:****Request Body:****Description:** Contains information to be applied to the individual NIDD downlink data delivery.

Required/Optional: true

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/NiddDownlinkDataTransfer'

Responses:

'200':

Description: The pending NIDD downlink data is replaced successfully but delivery is pending.

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/NiddDownlinkDataTransfer'

'400':

Reference: 'TS29122_CommonData.yaml#/components/responses/400'

'401':

Reference: 'TS29122_CommonData.yaml#/components/responses/401'

'403':

Reference: 'TS29122_CommonData.yaml#/components/responses/403'

'404':

Reference: 'TS29122_CommonData.yaml#/components/responses/404'

'409':

Reference: 'TS29122_CommonData.yaml#/components/responses/409'

'411':

Reference: 'TS29122_CommonData.yaml#/components/responses/411'

'413':

Reference: 'TS29122_CommonData.yaml#/components/responses/413'

'415':

Reference: 'TS29122_CommonData.yaml#/components/responses/415'

'429':

Reference: 'TS29122_CommonData.yaml#/components/responses/429'

'500':

Description: The NIDD downlink data replacement request was not successful.

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/NiddDownlinkDataDeliveryFailure'

'503':

Reference: 'TS29122_CommonData.yaml#/components/responses/503'

Default:

Reference: 'TS29122_CommonData.yaml#/components/responses/default'

delete:

Responses:

'204':

Description: The pending NIDD downlink data is deleted.

'400':

Reference: 'TS29122_CommonData.yaml#/components/responses/400'

'401':

Reference: 'TS29122_CommonData.yaml#/components/responses/401'

'403':

```

    Reference: 'TS29122_CommonData.yaml#/components/responses/403'
  '404':
    Reference: 'TS29122_CommonData.yaml#/components/responses/404'
  '409':
    Reference: 'TS29122_CommonData.yaml#/components/responses/409'
  '429':
    Reference: 'TS29122_CommonData.yaml#/components/responses/429'
  '500':
    Description: The NIDD downlink data cancellation request was not successful.
    Content:
      Application/JSON:
        Schema:
          Reference: '#/components/schemas/NiddDownlinkDataDeliveryFailure'
  '503':
    Reference: 'TS29122_CommonData.yaml#/components/responses/503'
Default:
  Reference: 'TS29122_CommonData.yaml#/components/responses/default'

```

Components

```

securitySchemes:
  oAuth2ClientCredentials:
    Type: oauth2
    Flows:
      clientCredentials:
        tokenUrl: '{tokenUrl}'
        scopes: {}

schemas:
  NiddConfiguration:
    Type: object
    Properties:
      self:
        Reference: 'TS29122_CommonData.yaml#/components/schemas/Link'
      supportedFeatures:
        Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'
      externalId:
        Reference: 'TS29122_CommonData.yaml#/components/schemas/ExternalId'
      msisdn:
        Reference: 'TS29122_CommonData.yaml#/components/schemas/Msisdn'
      externalGroupId:
        Reference: 'TS29122_CommonData.yaml#/components/schemas/ExternalGroupId'
      duration:
        Reference: 'TS29122_CommonData.yaml#/components/schemas/DateTime'
      reliableDataService:
        Type: boolean
        Description: The reliable data service (as defined in subclause 4.5.15.3 of 3GPP
        TS 23.682) to indicate if a reliable data service acknowledgment is enabled or not.
      rdsPorts:

```

```

Type: array
Items:
  Reference: '#/components/schemas/RdsPort'
minItems: 1
Description: Indicates the port configuration that is used for reliable data
transfer between specific applications using RDS (as defined in subclause 5.2.4 and 5.2.5
of 3GPP TS 24.250).
pdnEstablishmentOption:
  Reference: '#/components/schemas/PdnEstablishmentOptions'
notificationDestination:
  Reference: 'TS29122_CommonData.yaml#/components/schemas/Link'
requestTestNotification:
  Type: boolean
  Description: Set to true by the SCS/AS to request the SCEF to send a test
notification as defined in subclause 5.2.5.3. Set to false or omitted otherwise.
websocketNotifConfig:
  Reference: 'TS29122_CommonData.yaml#/components/schemas/WebsocketNotifConfig'
maximumPacketSize:
  Type: integer
  Minimum: 1
  Description: The Maximum Packet Size is the maximum NIDD packet size that was
transferred to the UE by the SCEF in the PCO, see subclause 4.5.14.1 of 3GPP TS 23.682. If
no maximum packet size was provided to the UE by the SCEF, the SCEF sends a default
configured max packet size to SCS/AS. Unit bit.
  readOnly: true
niddDownlinkDataTransfers:
  Type: array
  Items:
    Reference: '#/components/schemas/NiddDownlinkDataTransfer'
  minItems: 1
  Description: The downlink data deliveries that needed to be executed by the SCEF.
The cardinality of the property shall be 0..1 in the request and 0..N in the response (i.e.
response may contain multiple buffered MT NIDD).
  status:
    Reference: '#/components/schemas/NiddStatus'
Required:
  - notificationDestination
oneOf:
  - required: [externalId]
  - required: [msisdn]
  - required: [externalGroupId]
NiddDownlinkDataTransfer:
  Type: object
Properties:
  externalId:
    Reference: 'TS29122_CommonData.yaml#/components/schemas/ExternalId'
  externalGroupId:
    Reference: 'TS29122_CommonData.yaml#/components/schemas/ExternalGroupId'
  msisdn:
    Reference: 'TS29122_CommonData.yaml#/components/schemas/Msisdn'
  self:
    Reference: 'TS29122_CommonData.yaml#/components/schemas/Link'
  data:
    Reference: 'TS29122_CommonData.yaml#/components/schemas/Bytes'

```

reliableDataService:
Type: boolean
Description: The reliable data service (as defined in subclause 4.5.15.3 of 3GPP TS 23.682) to indicate if a reliable data service acknowledgment is enabled or not.

rdsPort:
Reference: '#/components/schemas/RdsPort'

maximumLatency:
Reference: 'TS29122_CommonData.yaml#/components/schemas/DurationSec'

priority:
Type: integer
Description: It is used to indicate the priority of the non-IP data packet relative to other non-IP data packets.

pdnEstablishmentOption:
Reference: '#/components/schemas/PdnEstablishmentOptions'

deliveryStatus:
Reference: '#/components/schemas/DeliveryStatus'

requestedRetransmissionTime:
Reference: 'TS29122_CommonData.yaml#/components/schemas/DateTime'

Required:
- data

oneOf:
- required: [externalId]
- required: [msisdn]
- required: [externalGroupId]

NiddUplinkDataNotification:
Type: object
Properties:
niddConfiguration:
Reference: 'TS29122_CommonData.yaml#/components/schemas/Link'

externalId:
Reference: 'TS29122_CommonData.yaml#/components/schemas/ExternalId'

msisdn:
Reference: 'TS29122_CommonData.yaml#/components/schemas/Msisdn'

data:
Reference: 'TS29122_CommonData.yaml#/components/schemas/Bytes'

reliableDataService:
Type: boolean
Description: Indicates whether the reliable data service is enabled.

rdsPort:
Reference: '#/components/schemas/RdsPort'

Required:
- niddConfiguration
- data

oneOf:
- required: [externalId]
- required: [msisdn]

NiddDownlinkDataDeliveryStatusNotification:
Type: object
Properties:
niddDownlinkDataTransfer:
Reference: 'TS29122_CommonData.yaml#/components/schemas/Link'

deliveryStatus:
Reference: '#/components/schemas/DeliveryStatus'

```

    requestedRetransmissionTime:
      Reference: 'TS29122_CommonData.yaml#/components/schemas/DateTime'
Required:
  - niddDownlinkDataTransfer
  - deliveryStatus
NiddConfigurationStatusNotification:
  Type: object
  Properties:
    niddConfiguration:
      Reference: 'TS29122_CommonData.yaml#/components/schemas/Link'
    externalId:
      Reference: 'TS29122_CommonData.yaml#/components/schemas/ExternalId'
    msisdn:
      Reference: 'TS29122_CommonData.yaml#/components/schemas/Msisdn'
    status:
      Reference: '#/components/schemas/NiddStatus'
    rdsCapIndication:
      Type: boolean
      Description: It indicates whether the network capability for the reliable data
service is enabled or not.
Required:
  - niddConfiguration
  - status
oneOf:
  - required: [externalId]
  - required: [msisdn]
GmdNiddDownlinkDataDeliveryNotification:
  Type: object
  Properties:
    niddDownlinkDataTransfer:
      Reference: 'TS29122_CommonData.yaml#/components/schemas/Link'
    gmdResults:
      Type: array
      Items:
        Reference: '#/components/schemas/GmdResult'
      minItems: 1
      Description: Indicates the group message delivery result.
Required:
  - niddDownlinkDataTransfer
  - gmdResults
RdsPort:
  Type: object
  Properties:
    portUE:
      Reference: 'TS29122_CommonData.yaml#/components/schemas/Port'
    portSCEF:
      Reference: 'TS29122_CommonData.yaml#/components/schemas/Port'
Required:
  - portUE
  - portSCEF
GmdResult:
  Type: object
  Properties:
    externalId:

```

```

    Reference: 'TS29122_CommonData.yaml#/components/schemas/ExternalId'
msisdn:
    Reference: 'TS29122_CommonData.yaml#/components/schemas/Msisdn'
deliveryStatus:
    Reference: '#/components/schemas/DeliveryStatus'
requestedRetransmissionTime:
    Reference: 'TS29122_CommonData.yaml#/components/schemas/DateTime'
Required:
  - deliveryStatus
oneOf:
  - required: [externalId]
  - required: [msisdn]
NiddDownlinkDataDeliveryFailure:
Type: object
Properties:
  problemDetail:
    Reference: 'TS29122_CommonData.yaml#/components/schemas/ProblemDetails'
  requestedRetransmissionTime:
    Reference: 'TS29122_CommonData.yaml#/components/schemas/DateTime'
Required:
  - problemDetail
PdnEstablishmentOptions:
anyOf:
  - type: string
  enum:
    - WAIT_FOR_UE
    - INDICATE_ERROR
    - SEND_TRIGGER
  - type: string
  Description:
    This string provides forward-compatibility with future
    extensions to the enumeration but is not used to encode
    content defined in the present version of this API.
  Description:
    Possible values are
    - WAIT_FOR_UE: wait for the UE to establish the PDN connection
    - INDICATE_ERROR: respond with an error cause
    - SEND_TRIGGER: send a device trigger
PdnEstablishmentOptionsRm:
anyOf:
  - type: string
  enum:
    - WAIT_FOR_UE
    - INDICATE_ERROR
    - SEND_TRIGGER
  - type: string
  Description:
    This string provides forward-compatibility with future
    extensions to the enumeration but is not used to encode
    content defined in the present version of this API.
  Description:
    Possible values are
    - WAIT_FOR_UE: wait for the UE to establish the PDN connection
    - INDICATE_ERROR: respond with an error cause
    - SEND_TRIGGER: send a device trigger
nullable: true
DeliveryStatus:

```

anyOf:

- type: string

enum:

- SUCCESS
- SUCCESS_NEXT_HOP_ACKNOWLEDGED
- SUCCESS_NEXT_HOP_UNACKNOWLEDGED
- SUCCESS_ACKNOWLEDGED
- SUCCESS_UNACKNOWLEDGED
- TRIGGERED
- BUFFERING
- BUFFERING_TEMPORARILY_NOT_REACHABLE
- SENDING
- FAILURE
- FAILURE_RDS_DISABLED
- FAILURE_NEXT_HOP
- FAILURE_TIMEOUT

- type: string

Description:

This string provides forward-compatibility with future extensions to the enumeration but is not used to encode content defined in the present version of this API.

Description:

Possible values are

- SUCCESS: Success but details not provided
- SUCCESS_NEXT_HOP_ACKNOWLEDGED: Successful delivery to the next hop with acknowledgment.
- SUCCESS_NEXT_HOP_UNACKNOWLEDGED: Successful delivery to the next hop without acknowledgment
- SUCCESS_ACKNOWLEDGED: Reliable delivery was acknowledged by the UE
- SUCCESS_UNACKNOWLEDGED: Reliable delivery was not acknowledged by the UE
- TRIGGERED: The SCEF triggered the device and is buffering the data.
- BUFFERING: The SCEF is buffering the data due to no PDN connection established.
- BUFFERING_TEMPORARILY_NOT_REACHABLE: The SCEF has been informed that the UE is temporarily not reachable but is buffering the data
- SENDING: The SCEF has forwarded the data, but they may be stored elsewhere
- FAILURE: Delivery failure but details not provided
- FAILURE_RDS_DISABLED: RDS was disabled
- FAILURE_NEXT_HOP: Unsuccessful delivery to the next hop.
- FAILURE_TIMEOUT: Unsuccessful delivery due to timeout.

readOnly: true**NiddStatus:****anyOf:**

- type: string

enum:

- ACTIVE
- TERMINATED_UE_NOT_AUTHORIZED
- TERMINATED

- type: string

Description:

This string provides forward-compatibility with future extensions to the enumeration but is not used to encode content defined in the present version of this API.

Description:

Possible values are

- ACTIVE: The NIDD configuration is active.
- TERMINATED_UE_NOT_AUTHORIZED: The NIDD configuration was terminated because the UEs authorisation was revoked

- TERMINATED: The NIDD configuration was terminated.

readOnly: true**NiddConfigurationPatch:**

Type: object

Properties:

- duration:**
 - Reference:** 'TS29122_CommonData.yaml#/components/schemas/DateTimeRm'
- reliableDataService:**
 - Type:** boolean
 - Description:** The reliable data service (as defined in subclause 4.5.15.3 of 3GPP TS 23.682) to indicate if a reliable data service acknowledgment is enabled or not.
 - nullable:** true
- rdsPorts:**
 - Type:** array
 - Items:**
 - Reference:** '#/components/schemas/RdsPort'
 - minItems:** 1
 - Description:** Indicates the port configuration that is used for reliable data transfer between specific applications using RDS (as defined in subclause 5.2.4 and 5.2.5 of 3GPP TS 24.250).
- pdnEstablishmentOption:**
 - Reference:** '#/components/schemas/PdnEstablishmentOptionsRm'

