**3GPP TSG-CT3 Meeting #135C3-243xxx**

**Hyderabad, IN, 27 - 31 May, 2024 was C3-243269 was C3-242368 was C3-241338**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.522** | **CR** | **1189** | **rev** | **3** | **Current version:** | **18.5.0** |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | |
| ***Title:*** | Defining the missing 5MBS error handling procedures | | | | | | | | |
|  |  | | | | | | | | |
| ***Source to WG:*** | Huawei, Nokia | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | |
|  |  | | | | | | | | |
| ***Work item code:*** | TEI18, 5MBS | | | | |  | ***Date:*** | | 2024-05-31 |
|  |  | | | |  | |  | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | Rel-18 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | |
| ***Reason for change:*** | | | As per the current definition of MBS session creation/update, several error scenarios have been defined in Table 5.20.7.3-1 of TS 29.522 (and also TS 29.537) for the case where the MBSF is not involved. However, these error scenarios are also applicable to the case where the MBSF is involved. It is just that they should be defined with MBS Distribution session granularity. Otherwise, the MBSF/NEF will not be able to relay these errors to the AF. | | | | | | |
|  | | |  | | | | | | |
| ***Summary of change:*** | | | This CR proposes to:   * Define the missing error handling procedures for the MBSF/NEF APIs used when the MBSF is involved in 5MBS procedures. | | | | | | |
|  | | |  | | | | | | |
| ***Consequences if not approved:*** | | | * The same level of functionality for 5MBS is not ensured for all cases, which leads to the MBSF option not being complete from stage 3 perspective. * Missing essential error handling procedures. | | | | | | |
|  | |  | | | | | | | |
| ***Clauses affected:*** | | 5.27.2.2.3.2, 5.27.2.3.3.2, 5.27.2.3.3.3, 5.27.5.1, 5.27.6, 5.27.7.3, A.25 | | | | | | | |
|  | |  | | | | | | | |
|  | | **Y** | | **N** |  | | |  | |
| ***Other specs*** | |  | | **X** | Other core specifications | | | TS/TR ... CR ... | |
| ***affected:*** | |  | | **X** | Test specifications | | | TS/TR ... CR ... | |
| ***(show related CRs)*** | |  | | **X** | O&M Specifications | | | TS/TR ... CR ... | |
|  | |  | | | | | | | |
| ***Other comments:*** | | This CR introduces a backwards compatible new fetaure to the OpenAPI description of the Nnef\_MBSUserDataIngestSession API defined in this specification. | | | | | | | |
|  | |  | | | | | | | |
| ***This CR's revision history:*** | | Rev 1 (to CT3#134):   * Resubmitting the CR with no changes.   Rev 2 (to CT3#135):   * Resubmitting the CR with no changes. | | | | | | | |

\* \* \* \* Start of changes \* \* \* \*

###### 5.27.2.2.3.2 POST

This method enables an AF to request the creation of an MBS User Data Ingest Session at the NEF.

This method shall support the URI query parameters specified in table 5.27.2.2.3.2-1.

Table 5.27.2.2.3.2-1: URI query parameters supported by the POST method on this resource

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description | Applicability |
| n/a |  |  |  |  |  |

This method shall support the request data structures specified in table 5.27.2.2.3.2-2 and the response data structures and response codes specified in table 5.27.2.2.3.2-3.

Table 5.27.2.2.3.2-2: Data structures supported by the POST Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| MBSUserDataIngSession | M | 1 | Contains the parameters to request the creation of a new MBS User Data Ingest Session at the NEF. |

Table 5.27.2.2.3.2-3: Data structures supported by the POST Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Response  Codes | Description |
| MBSUserDataIngSession | M | 1 | 201 Created | Successful case. A new MBS User Data Ingest Session is successfully created and a representation of the created Individual MBS User Data Ingest Session resource is returned.  An HTTP "Location" header that contains the URI of the created Individual MBS User Data Ingest Session resource is also included. |
| ProblemDetailsMBS | O | 0..1 | 400 Bad Request | (NOTE 2) |
| ProblemDetailsMBS | O | 0..1 | 403 Forbidden | (NOTE 2) |
| ProblemDetailsMBS | O | 0..1 | 404 Not Found | (NOTE 2) |
| NOTE 1: The mandatory HTTP error status code for the POST method listed in table 5.2.6-1 of 3GPP TS 29.122 [4] also apply.  NOTE 2: Failure cases are described in clause 5.27.7. | | | | |

Table 5.27.2.2.3.2-4: Headers supported by the 201 response code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | Contains the URI of the newly created resource, according to the structure:  {apiRoot}/3gpp-mbs-ud-ingest/v1/sessions/{sessionId} |

\* \* \* \* Next changes \* \* \* \*

###### 5.27.2.3.3.2 PUT

This method enables an AF to request the update of an existing "Individual MBS User Data Ingest Session" resource at the NEF.

This method shall support the URI query parameters specified in table 5.27.2.3.3.2-1.

Table 5.27.2.3.3.2-1: URI query parameters supported by the PUT method on this resource

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description | Applicability |
| n/a |  |  |  |  |  |

This method shall support the request data structures specified in table 5.27.2.3.3.2-2 and the response data structures and response codes specified in table 5.27.2.3.3.2-3.

Table 5.27.2.3.3.2-2: Data structures supported by the PUT Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| MBSUserDataIngSession | M | 1 | Contains the updated representation of the Individual MBS User Data Ingest Session resource that is to be updated. |

Table 5.27.2.3.3.2-3: Data structures supported by the PUT Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Response  codes | Description |
| MBSUserDataIngSession | M | 1 | 200 OK | Successful case. The concerned Individual MBS User Data Ingest Session resource is successfully updated and a representation of the updated resource is returned in the response body. |
| n/a |  |  | 204 No Content | Successful case. The concerned Individual MBS User Data Ingest Session resource is successfully updated and no content is returned in the response body. |
| n/a |  |  | 307 Temporary Redirect | Temporary redirection. The response shall include a Location header field containing an alternative target URI located in an alternative NEF.  Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [4]. |
| n/a |  |  | 308 Permanent Redirect | Permanent redirection. The response shall include a Location header field containing an alternative target URI located in an alternative NEF.  Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [4]. |
| ProblemDetailsMBS | O | 0..1 | 400 Bad Request | (NOTE 2) |
| ProblemDetailsMBS | O | 0..1 | 403 Forbidden | (NOTE 2) |
| ProblemDetailsMBS | O | 0..1 | 404 Not Found | (NOTE 2) |
| NOTE 1: The mandatory HTTP error status code for the PUT method listed in table 5.2.6-1 of 3GPP TS 29.122 [4] also apply.  NOTE 2: Failure cases are described in clause 5.27.7. | | | | |

Table 5.27.2.3.3.2-4: Headers supported by the 307 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | An alternative URI of the resource located in an alternative NEF. |

Table 5.27.2.3.3.2-5: Headers supported by the 308 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | An alternative URI of the resource located in an alternative NEF. |

\* \* \* \* Next changes \* \* \* \*

###### 5.27.2.3.3.3 PATCH

This method enables an AF to request the modification of an existing "Individual MBS User Data Ingest Session" resource at the NEF.

This method shall support the URI query parameters specified in table 5.27.2.3.3.3-1.

Table 5.27.2.3.3.3-1: URI query parameters supported by the PATCH method on this resource

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description | Applicability |
| n/a |  |  |  |  |  |

This method shall support the request data structures specified in table 5.27.2.3.3.3-2 and the response data structures and response codes specified in table 5.27.2.3.3.3-3.

Table 5.27.2.3.3.3-2: Data structures supported by the PATCH Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| MBSUserDataIngSessionPatch | M | 1 | Contains the parameters to request the modification of the Individual MBS User Data Ingest Session resource. |

Table 5.27.2.3.3.3-3: Data structures supported by the PATCH Response Body on this resource

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Data type | P | Cardinality | | Response  codes | Description |
| MBSUserDataIngSession | M | 1 | | 200 OK | Successful case. The concerned Individual MBS User Data Ingest Session resource is successfully modified and a representation of the updated resource is returned in the response body. |
| n/a |  |  | | 204 No Content | Successful response. The Individual MBS User Data Ingest Session resource is successfully modified and no content is returned in the response body. |
| n/a |  |  | | 307 Temporary Redirect | Temporary redirection. The response shall include a Location header field containing an alternative target URI located in an alternative NEF.  Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [4]. |
| n/a |  |  | | 308 Permanent Redirect | Permanent redirection. The response shall include a Location header field containing an alternative target URI located in an alternative NEF.  Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [4]. |
| ProblemDetailsMBS | O | | 0..1 | 400 Bad Request | (NOTE 2) |
| ProblemDetailsMBS | O | | 0..1 | 403 Forbidden | (NOTE 2) |
| ProblemDetailsMBS | O | | 0..1 | 404 Not Found | (NOTE 2) |
| NOTE 1: The mandatory HTTP error status code for the PATCH method listed in table 5.2.6-1 of 3GPP TS 29.122 [4] also apply.  NOTE 2: Failure cases are described in clause 5.27.7. | | | | | |

Table 5.27.2.3.3.3-4: Headers supported by the 307 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | An alternative URI of the resource located in an alternative NEF. |

Table 5.27.2.3.3.3-5: Headers supported by the 308 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | An alternative URI of the resource located in an alternative NEF. |

\* \* \* \* Next changes \* \* \* \*

#### 5.27.5.1 General

This clause specifies the application data model supported by the MBSUserDataIngestSession API. Table 5.27.5.1-1 specifies the data types defined for the MBSUserDataIngestSession API.

Table 5.27.5.1-1: MBSUserDataIngestSession specific Data Types

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Clause defined | Description | Applicability |
|  |  |  |  |

Table 5.27.5.1-2 specifies data types re-used by the MBSUserDataIngestSession API from other specifications, including a reference to their respective specifications, and when needed, a short description of their use within the MBSUserDataIngestSession API.

Table 5.27.5.1-2: Re-used Data Types

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Reference | Comments | Applicability |
| MBSUserDataIngSession | 3GPP TS 29.580 [66] | Represents MBS User Data Ingest Session parameters. |  |
| MBSUserDataIngSessionPatch | 3GPP TS 29.580 [66] | Represents the requested modifications to an MBS User Data Ingest Session resource representation. |  |
| MBSUserDataIngStatNotif | 3GPP TS 29.580 [66] | Represents an MBS User Data Ingest Session Status Notification. |  |
| MBSUserDataIngStatSubsc | 3GPP TS 29.580 [66] | Represents an MBS User Data Ingest Session Status Subscription. |  |
| MBSUserDataIngStatSubscPatch | 3GPP TS 29.580 [66] | Represents the requested modifications to an MBS User Data Ingest Session Status Subscription. |  |
| ProblemDetailsMBS | 3GPP TS 29.580 [66] | Represents an extension to the ProblemDetails data structure with potentially additional error information related to MBS. | MBSErrorHandling |

\* \* \* \* Next changes \* \* \* \*

### 5.27.6 Used Features

The table below defines the features applicable to the MBSUserDataIngestSession API. Those features are negotiated as described in clause 5.2.7 of 3GPP TS 29.122 [4].

Table 5.27.6-1: Features used by MBSUserDataIngestSession API

|  |  |  |
| --- | --- | --- |
| Feature number | Feature Name | Description |
| 1 | Notification\_websocket | The delivery of notifications over Websocket is supported as described in 3GPP TS 29.122 [4]. This feature requires that the Notification\_test\_event feature is also supported. |
| 2 | Notification\_test\_event | The testing of notification connection is supported as described in 3GPP TS 29.122 [4]. |
| 3 | 5MBS2 | This feature indicates the support of the Rel-18 enhancements to 5G Multicast/Broadcast services.  The following functionalities are supported:  - Support the provisioning of the Associated Session Identifier to enable 5MBS MOCN Network Sharing scenarios (e.g., MOCN with multiple broadcast MBS sessions transmitting the same content via different CNs). |
| 4 | MBSErrorHandling | Represents the support of the MBS related error handling procedures.  The following functionalities are supported:  - Support of the missing MBS Session related error handling procedures to enable end-to-end relaying of errors.  - Support MBS Data Ingest Session specific error handling.  - Support partial MBS Distribution Session creation/update failure management. |

\* \* \* \* Next changes \* \* \* \*

#### 5.27.7.3 Application Errors

The application errors defined for the MBSUserDataIngestSession API are listed in table 5.27.7.3-1.

Table 5.27.7.3-1: Application errors

|  |  |  |  |
| --- | --- | --- | --- |
| Application Error | HTTP status code | Description | Applicability |
| INVALID\_MBS\_SERVICE\_INFO | 400 Bad Request | Indicates that the provided MBS Service Information is invalid (e.g. invalid QoS reference), incorrect or insufficient to perform MBS policy authorization. | MBSErrorHandling |
| MBS\_SERVICE\_AREA\_NOT\_SUPPORTED | 403 Forbidden | Indicates that the requested MBS Service Area is not supported by the 3GPP Core Network. | MBSErrorHandling |
| MBS\_SERVICE\_INFO\_NOT\_AUTHORIZED | 403 Forbidden | Indicates the provided MBS Service Information is rejected. | MBSErrorHandling |
| MBS\_DIST\_SESSION\_ALREADY\_CREATED | 403 Forbidden | Indicates that the requested MBS Distribution Session has already been created. | MBSErrorHandling |
| OVERLAPPING\_MBS\_SERVICE\_AREA | 403 Forbidden | Indicates that the provided MBS service area overlaps with the MBS service area of an existing MBS Distribution Session that shares the same MBS session Identifier. | MBSErrorHandling |
| UNKNOWN\_MBS\_SERVICE\_AREA | 404 Not Found | Indicates that the requested MBS service area (e.g., identified by the Area Session ID) cannot be found. | MBSErrorHandling |

\* \* \* \* Next changes \* \* \* \*

# A.25 MBSUserDataIngestSession API

openapi: 3.0.0

info:

title: 3gpp-mbs-ud-ingest

version: 1.1.0-alpha.2

description: |

API for MBS User Data Ingest Session.

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externalDocs:

description: >

3GPP TS 29.522 V18.3.0; 5G System; Network Exposure Function Northbound APIs.

url: 'https://www.3gpp.org/ftp/Specs/archive/29\_series/29.522/'

servers:

- url: '{apiRoot}/3gpp-mbs-ud-ingest/v1'

variables:

apiRoot:

default: https://example.com

description: apiRoot as defined in clause 5.2.4 of 3GPP TS 29.122

security:

- {}

- oAuth2ClientCredentials: []

paths:

/sessions:

get:

summary: Retrieve all the active MBS User Data Ingest Sessions managed by the NEF.

tags:

- MBS User Data Ingest Sessions (Collection)

operationId: RetrieveMBSUserDataIngestSessions

responses:

'200':

description: >

OK. All the active MBS User Data Ingest Sessions managed by the NEF are returned.

content:

application/json:

schema:

type: array

items:

$ref: 'TS29580\_Nmbsf\_MBSUserDataIngestSession.yaml#/components/schemas/MBSUserDataIngSession'

minItems: 0

'307':

$ref: 'TS29122\_CommonData.yaml#/components/responses/307'

'308':

$ref: 'TS29122\_CommonData.yaml#/components/responses/308'

'400':

$ref: 'TS29122\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29122\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29122\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29122\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29122\_CommonData.yaml#/components/responses/406'

'429':

$ref: 'TS29122\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29122\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29122\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29122\_CommonData.yaml#/components/responses/default'

post:

summary: Request the creation of a new Individual MBS User Data Ingest Session resource.

tags:

- MBS User Data Ingest Sessions (Collection)

operationId: CreateMBSUserDataIngestSession

requestBody:

description: >

Contains the parameters to request the creation of a new MBS User Data Ingest Session

at the NEF.

required: true

content:

application/json:

schema:

$ref: 'TS29580\_Nmbsf\_MBSUserDataIngestSession.yaml#/components/schemas/MBSUserDataIngSession'

responses:

'201':

description: >

Created. A new MBS User Data Ingest Session is successfully created and a representation

of the created Individual MBS User Data Ingest Session resource is returned.

content:

application/json:

schema:

$ref: 'TS29580\_Nmbsf\_MBSUserDataIngestSession.yaml#/components/schemas/MBSUserDataIngSession'

headers:

Location:

description: >

Contains the URI of the newly created resource, according to the structure

{apiRoot}/3gpp-mbs-ud-ingest/v1/sessions/{sessionId}

required: true

schema:

type: string

'400':

description: >

The request is rejected by the NEF and more details (along with ProblemDetails) may be

returned.

content:

application/problem+json:

schema:

$ref: 'TS29580\_Nmbsf\_MBSUserDataIngestSession.yaml#/components/schemas/ProblemDetailsMBS'

'401':

$ref: 'TS29122\_CommonData.yaml#/components/responses/401'

'403':

description: >

The request is rejected by the NEF and more details (along with ProblemDetails) may be

returned.

content:

application/problem+json:

schema:

$ref: 'TS29580\_Nmbsf\_MBSUserDataIngestSession.yaml#/components/schemas/ProblemDetailsMBS'

'404':

description: >

The request is rejected by the NEF and more details (along with ProblemDetails) may be

returned.

content:

application/problem+json:

schema:

$ref: 'TS29580\_Nmbsf\_MBSUserDataIngestSession.yaml#/components/schemas/ProblemDetailsMBS'

'411':

$ref: 'TS29122\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29122\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29122\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29122\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29122\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29122\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29122\_CommonData.yaml#/components/responses/default'

/sessions/{sessionId}:

parameters:

- name: sessionId

in: path

description: Identifier of the Individual MBS User Data Ingest Session resource.

required: true

schema:

type: string

get:

summary: Retrieve an existing Individual MBS User Data Ingest Session resource.

tags:

- Individual MBS User Data Ingest Session (Document)

operationId: RetrieveIndivMBSUserDataIngestSession

responses:

'200':

description: >

OK. The requested Individual MBS User Data Ingest Session resource is successfully

returned.

content:

application/json:

schema:

$ref: 'TS29580\_Nmbsf\_MBSUserDataIngestSession.yaml#/components/schemas/MBSUserDataIngSession'

'307':

$ref: 'TS29122\_CommonData.yaml#/components/responses/307'

'308':

$ref: 'TS29122\_CommonData.yaml#/components/responses/308'

'400':

$ref: 'TS29122\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29122\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29122\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29122\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29122\_CommonData.yaml#/components/responses/406'

'429':

$ref: 'TS29122\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29122\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29122\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29122\_CommonData.yaml#/components/responses/default'

put:

summary: Request the update of an existing Individual MBS User Data Ingest Session resource.

tags:

- Individual MBS User Data Ingest Session (Document)

operationId: UpdateIndivMBSUserDataIngestSession

requestBody:

description: >

Contains the updated representation of the Individual MBS User Data Ingest Session

resource.

required: true

content:

application/json:

schema:

$ref: 'TS29580\_Nmbsf\_MBSUserDataIngestSession.yaml#/components/schemas/MBSUserDataIngSession'

responses:

'200':

description: >

OK. The concerned Individual MBS User Data Ingest Session resource is successfully

updated and a representation of the updated resource is returned.

content:

application/json:

schema:

$ref: 'TS29580\_Nmbsf\_MBSUserDataIngestSession.yaml#/components/schemas/MBSUserDataIngSession'

'204':

description: >

No Content. The concerned Individual MBS User Data Ingest Session resource is

successfully updated.

'307':

$ref: 'TS29122\_CommonData.yaml#/components/responses/307'

'308':

$ref: 'TS29122\_CommonData.yaml#/components/responses/308'

'400':

description: >

The request is rejected by the NEF and more details (along with ProblemDetails) may be

returned.

content:

application/problem+json:

schema:

$ref: 'TS29580\_Nmbsf\_MBSUserDataIngestSession.yaml#/components/schemas/ProblemDetailsMBS'

'401':

$ref: 'TS29122\_CommonData.yaml#/components/responses/401'

'403':

description: >

The request is rejected by the NEF and more details (along with ProblemDetails) may be

returned.

content:

application/problem+json:

schema:

$ref: 'TS29580\_Nmbsf\_MBSUserDataIngestSession.yaml#/components/schemas/ProblemDetailsMBS'

'404':

description: >

The request is rejected by the NEF and more details (along with ProblemDetails) may be

returned.

content:

application/problem+json:

schema:

$ref: 'TS29580\_Nmbsf\_MBSUserDataIngestSession.yaml#/components/schemas/ProblemDetailsMBS'

'411':

$ref: 'TS29122\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29122\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29122\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29122\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29122\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29122\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29122\_CommonData.yaml#/components/responses/default'

patch:

summary: Request the modification of an existing Individual MBS User Data Ingest Session resource.

tags:

- Individual MBS User Data Ingest Session (Document)

operationId: ModifyIndivMBSUserDataIngestSession

requestBody:

description: >

Contains the parameters to request the modification of the Individual MBS User Data Ingest

Session resource.

required: true

content:

application/merge-patch+json:

schema:

$ref: 'TS29580\_Nmbsf\_MBSUserDataIngestSession.yaml#/components/schemas/MBSUserDataIngSessionPatch'

responses:

'200':

description: >

OK. The concerned Individual MBS User Data Ingest Session resource is successfully

modified and a representation of the updated resource is returned.

content:

application/json:

schema:

$ref: 'TS29580\_Nmbsf\_MBSUserDataIngestSession.yaml#/components/schemas/MBSUserDataIngSession'

'204':

description: >

No Content. The concerned Individual MBS User Data Ingest Session resource is

successfully modified.

'307':

$ref: 'TS29122\_CommonData.yaml#/components/responses/307'

'308':

$ref: 'TS29122\_CommonData.yaml#/components/responses/308'

'400':

description: >

The request is rejected by the NEF and more details (along with ProblemDetails) may be

returned.

content:

application/problem+json:

schema:

$ref: 'TS29580\_Nmbsf\_MBSUserDataIngestSession.yaml#/components/schemas/ProblemDetailsMBS'

'401':

$ref: 'TS29122\_CommonData.yaml#/components/responses/401'

'403':

description: >

The request is rejected by the NEF and more details (along with ProblemDetails) may be

returned.

content:

application/problem+json:

schema:

$ref: 'TS29580\_Nmbsf\_MBSUserDataIngestSession.yaml#/components/schemas/ProblemDetailsMBS'

'404':

description: >

The request is rejected by the NEF and more details (along with ProblemDetails) may be

returned.

content:

application/problem+json:

schema:

$ref: 'TS29580\_Nmbsf\_MBSUserDataIngestSession.yaml#/components/schemas/ProblemDetailsMBS'

'411':

$ref: 'TS29122\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29122\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29122\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29122\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29122\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29122\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29122\_CommonData.yaml#/components/responses/default'

delete:

summary: Deletes an existing Individual MBS User Data Ingest Session resource.

tags:

- Individual MBS User Data Ingest Session (Document)

operationId: DeleteIndivMBSUserDataIngestSession

responses:

'204':

description: >

No Content. The Individual MBS User Data Ingest Session resource is successfully

deleted.

'307':

$ref: 'TS29122\_CommonData.yaml#/components/responses/307'

'308':

$ref: 'TS29122\_CommonData.yaml#/components/responses/308'

'400':

$ref: 'TS29122\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29122\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29122\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29122\_CommonData.yaml#/components/responses/404'

'429':

$ref: 'TS29122\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29122\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29122\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29122\_CommonData.yaml#/components/responses/default'

/status-subscriptions:

get:

summary: Retrieve all the active MBS User Data Ingest Session Status Subscriptions resources managed by the NEF.

tags:

- MBS User Data Ingest Session Status Subscriptions (Collection)

operationId: RetrieveMBSUserDataIngStatSubscs

responses:

'200':

description: >

OK. All the active MBS User Data Ingest Session Status Subscriptions managed by the NEF

are returned.

content:

application/json:

schema:

type: array

items:

$ref: 'TS29580\_Nmbsf\_MBSUserDataIngestSession.yaml#/components/schemas/MBSUserDataIngStatSubsc'

minItems: 0

'307':

$ref: 'TS29122\_CommonData.yaml#/components/responses/307'

'308':

$ref: 'TS29122\_CommonData.yaml#/components/responses/308'

'400':

$ref: 'TS29122\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29122\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29122\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29122\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29122\_CommonData.yaml#/components/responses/406'

'429':

$ref: 'TS29122\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29122\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29122\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29122\_CommonData.yaml#/components/responses/default'

post:

summary: Creates a new Individual MBS User Data Ingest Session Status Subscription resource.

tags:

- MBS User Data Ingest Session Status Subscriptions (Collection)

operationId: CreateMBSUserDataIngStatSubsc

requestBody:

description: >

Contains the parameters to request the creation of a new MBS User Data Ingest Session

Status Subscription resource.

required: true

content:

application/json:

schema:

$ref: 'TS29580\_Nmbsf\_MBSUserDataIngestSession.yaml#/components/schemas/MBSUserDataIngStatSubsc'

responses:

'201':

description: >

Created. Successful creation of a new Individual MBS User Data Ingest Session

Status Subscription resource.

content:

application/json:

schema:

$ref: 'TS29580\_Nmbsf\_MBSUserDataIngestSession.yaml#/components/schemas/MBSUserDataIngStatSubsc'

headers:

Location:

description: Contains the URI of the newly created resource.

required: true

schema:

type: string

'400':

$ref: 'TS29122\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29122\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29122\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29122\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29122\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29122\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29122\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29122\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29122\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29122\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29122\_CommonData.yaml#/components/responses/default'

callbacks:

mbsUserDataIngestSessionStatusNotif:

'{request.body#/notifUri}':

post:

requestBody:

required: true

content:

application/json:

schema:

$ref: 'TS29580\_Nmbsf\_MBSUserDataIngestSession.yaml#/components/schemas/MBSUserDataIngStatNotif'

responses:

'204':

description: No Content. Successful reception of the notification.

'307':

$ref: 'TS29122\_CommonData.yaml#/components/responses/307'

'308':

$ref: 'TS29122\_CommonData.yaml#/components/responses/308'

'400':

$ref: 'TS29122\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29122\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29122\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29122\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29122\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29122\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29122\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29122\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29122\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29122\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29122\_CommonData.yaml#/components/responses/default'

/status-subscriptions/{subscriptionId}:

parameters:

- name: subscriptionId

in: path

description: >

Identifier of the Individual MBS User Data Ingest Session Status Subscription resource.

required: true

schema:

type: string

get:

summary: Retrieve an existing Individual MBS User Data Ingest Session Status Subscription resource.

tags:

- Individual MBS User Data Ingest Session Status Subscription (Document)

operationId: RetrieveIndMBSUserDataIngStatSubsc

responses:

'200':

description: >

OK. Successful retrieval of the requested Individual MBS User Data Ingest Session

Status Subscription resource.

content:

application/json:

schema:

$ref: 'TS29580\_Nmbsf\_MBSUserDataIngestSession.yaml#/components/schemas/MBSUserDataIngStatSubsc'

'307':

$ref: 'TS29122\_CommonData.yaml#/components/responses/307'

'308':

$ref: 'TS29122\_CommonData.yaml#/components/responses/308'

'400':

$ref: 'TS29122\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29122\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29122\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29122\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29122\_CommonData.yaml#/components/responses/406'

'429':

$ref: 'TS29122\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29122\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29122\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29122\_CommonData.yaml#/components/responses/default'

put:

summary: Request the update of an existing Individual MBS User Data Ingest Session Status Subscription resource.

tags:

- Individual MBS User Data Ingest Session Status Subscription (Document)

operationId: UpdateIndMBSUserDataIngStatSubsc

requestBody:

description: >

Contains the updated representation of the Individual MBS User Data Ingest Session Status

Subscription resource.

required: true

content:

application/json:

schema:

$ref: 'TS29580\_Nmbsf\_MBSUserDataIngestSession.yaml#/components/schemas/MBSUserDataIngStatSubsc'

responses:

'200':

description: >

OK. The concerned Individual MBS User Data Ingest Session Status Subscription resource

is successfully updated and a representation of the updated resource is returned in the

response body.

content:

application/json:

schema:

$ref: 'TS29580\_Nmbsf\_MBSUserDataIngestSession.yaml#/components/schemas/MBSUserDataIngStatSubsc'

'204':

description: >

No Content. The concerned Individual MBS User Data Ingest Session Status Subscription

resource is successfully updated and no content is returned in the response body.

'307':

$ref: 'TS29122\_CommonData.yaml#/components/responses/307'

'308':

$ref: 'TS29122\_CommonData.yaml#/components/responses/308'

'400':

$ref: 'TS29122\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29122\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29122\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29122\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29122\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29122\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29122\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29122\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29122\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29122\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29122\_CommonData.yaml#/components/responses/default'

patch:

summary: Request the modification of an existing Individual MBS User Data Ingest Session Status Subscription resource.

tags:

- Individual MBS User Data Ingest Session Status Subscription (Document)

operationId: ModifyIndMBSUserDataIngStatSubsc

requestBody:

description: >

Contains the parameters to request the modification of the Individual MBS User Data Ingest

Session Status Subscription resource.

required: true

content:

application/merge-patch+json:

schema:

$ref: 'TS29580\_Nmbsf\_MBSUserDataIngestSession.yaml#/components/schemas/MBSUserDataIngStatSubscPatch'

responses:

'200':

description: >

OK. The concerned Individual MBS User Data Ingest Session Status Subscription resource

is successfully modified and a representation of the updated resource is returned in the

response body.

content:

application/json:

schema:

$ref: 'TS29580\_Nmbsf\_MBSUserDataIngestSession.yaml#/components/schemas/MBSUserDataIngStatSubsc'

'204':

description: >

No Content. The concerned Individual MBS User Data Ingest Session Status Subscription

resource is successfully modified and no content is returned in the response body.

'307':

$ref: 'TS29122\_CommonData.yaml#/components/responses/307'

'308':

$ref: 'TS29122\_CommonData.yaml#/components/responses/308'

'400':

$ref: 'TS29122\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29122\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29122\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29122\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29122\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29122\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29122\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29122\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29122\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29122\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29122\_CommonData.yaml#/components/responses/default'

delete:

summary: Deletes an existing Individual MBS User Data Ingest Session Status Subscription resource.

tags:

- Individual MBS User Data Ingest Session Status Subscription (Document)

operationId: DeleteIndMBSUserDataIngStatSubsc

responses:

'204':

description: >

No Content. Successful deletion of the existing Individual MBS User Data Ingest Session

Status Subscription resource.

'307':

$ref: 'TS29122\_CommonData.yaml#/components/responses/307'

'308':

$ref: 'TS29122\_CommonData.yaml#/components/responses/308'

'400':

$ref: 'TS29122\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29122\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29122\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29122\_CommonData.yaml#/components/responses/404'

'429':

$ref: 'TS29122\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29122\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29122\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29122\_CommonData.yaml#/components/responses/default'

components:

securitySchemes:

oAuth2ClientCredentials:

type: oauth2

flows:

clientCredentials:

tokenUrl: '{tokenUrl}'

scopes: {}

#

# STRUCTURED DATA TYPES

#

# SIMPLE DATA TYPES

#

#

# ENUMERATIONS

#

\* \* \* \* End of changes \* \* \* \*