**3GPP TSG-CT WG3 Meeting #120-eC3-221112**

**E-Meeting, 17th – 25th February 2022**

|  |
| --- |
| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **22** | **CR** | **509** | **rev** | **-** | **Current version:** |  |  |
|  |
| *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)*.* |
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|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

|  |
| --- |
|  |
| ***Title:***  | MBS Session status subscription and notification data type updates |
|  |  |
| ***Source to WG:*** |  |
| ***Source to TSG:*** | CT3 |
|  |  |
| ***Work item code:*** | 5MBS |  | ***Date:*** | 10 |
|  |  |  |  |  |
| ***Category:*** | F |  | ***Release:*** |  |
|  | *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 canbe 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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
|  |  |
| ***Reason for change:*** | The definition of the eventsSubscription IE in the MbsSession data type is FFS in TS 29.571. TS 29.532 and TS 29.522 are not aligned on the definition of the MBS session status subscription and notification.The MB-SMF and NEF APIs should be aligned on the contents of an MBS session status subscription and notification, to expose the same information to AFs on the Nmb13 (MB-SMF <> AF) and N33 (NEF <> AF) reference points, avoid inconsistencies (now and in future) causing implementation and interoperability issues, and to simplify the NEF implementation.It is proposed to define common data types in TS 29.571 for MBS Session Status subscriptions and notifications and use these data types in both the MB-SMF and NEF APIs, to ensure a uniform and consistent encoding of MBS session creation responses in both APIs.See TS 29.571 CR0335Accordingly, the MbsSessionSubsc, MbsSessionStatusNotif and MbsSessionStatus data type needs to be updated. |
|  |  |
| ***Summary of change:*** | The MbsSessionSubsc, MbsSessionStatusNotif and MbsSessionStatus data type needs to be updated. |
|  |  |
| ***Consequences if not approved:*** | Inconsistent information returned in MBS session status subscription and notifications by the MB-SMF and NEF APIs, over the Nmb13 (MB-SMF <> AF) and N33 (NEF <> AF) reference points, causing NEF and AF implementation complexity and the perception of a poor quality design by 3GPP.   |
|  |  |
| ***Clauses affected:*** | 4.4.29.3.2, 4.4.29.3.5, 4.4.29.3.7, 5.20.5.1, 5.20.5.2.5, 5.20.5.2.6, 5.20.5.3.3, A.18 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** | **X** |  |  Other core specifications  | TS 29.571 CR0335 |
| ***affected:*** |  | **X** |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** | This CR introduces backward compatible corrections to the following APIs:- TS29522\_MBSSession API |
|  |  |
| ***This CR's revision history:*** |  |

\* \* \* First Change \* \* \* \*

##### 4.4.29.3.2 Procedures for MBS session creation

This procedure is used by the AF to create a multicast or a broadcast MBS session.

It is used in the following procedures:

- MBS session creation without (or with) PCC (see clauses 7.1.1.2 and 7.1.1.3 of 3GPP TS 23.247 [53]); and

- MBS Session Start for Broadcast (see clause 7.3.1 of 3GPP TS 23.247 [14]).

The NF Service Consumer (e.g. AF) shall send a Nnef\_MBSSession\_Create request to the NEF targeting the MBS Sessions collection resource. The payload body of the POST request shall contain:

- "mbsSessionId" attribute indicates the MBS Session ID (SSM or TMGI);

- TMGI allocation request indication with “tmgiAllocReq” attribute which is present, if "mbsSessionId" is either absent or does not contain TMGI; and

- "serviceType" attribute indicates either multicast or broadcast service.

The payload body of the POST request may further contain:

- for a multicast or a broadcast MBS session:

- "ingressAddrReq" attribute indicates if the allocation of an ingress transport address is requested or not;

- "mbsServiceArea" attribute indicates the MBS service area;

- "activationTime" attribute indicates the MBS session activation time;

- "terminationTime" attribute indicates the MBS session termination time;

- "qosInformation" attribute defines the service description (for e.g. Flow description, QoS information);

- "mbsSessionSubsc" attribute is included for subscribing to notifications of events about the MBS session;

- "activityStatus" attribute indicates the session activity status which is either active or inactive;

- for a multicast MBS session:

- "anyUeInd" attribute indicates that any UE may join the MBS session, for a multicast MBS session.

On successful MBS session creation, the NEF shall return Nnef\_MBSSession\_Create response with "201 Created" to the NF service consumer. The "Location" header shall be present and shall contain the URI of the created resource. The payload body of the POST response may contain:

- "tmgi" attribute that indicates the TMGI allocated to the MBS session and is present, if the request included a "tmgiAllocReq" attribute;

- "inTunAddr" attribute indicates the ingress MB-UPF tunnel information, if unicast transport is used over N6mb/Nmb9; and

Editor's note: Error cases and the related responses are FFS.

\* \* \* Next Change \* \* \* \*

##### 4.4.29.3.5 Procedures for MBS session status subscription

The StatusSubscribe service operation shall be used to create a subscription for notifications related to the status of a multicast or a broadcast session.

The NF Service Consumer (e.g. AF) shall create an MBS session status subscription by sending Nnef\_MBSSession\_StatusSubscribe request using the HTTP POST message to the NEF to the resource "MBS Session Subscription", the body of the HTTP POST message shall include the MbsSessionSubsc data structure.

On successful MBS session subscription creation, the NEF shall return Nnef\_MBSSession\_StatusSubscribe response with "201 Created" to the NF service consumer. The "Location" header shall be present and shall contain the URI of the created resource. The body of the HTTP POST response shall include a representation of the created subscription within the MbsSessionSubsc data structure.

Editor's note: Error cases and the related MBS responses are FFS.

\* \* \* Next Change \* \* \* \*

##### 4.4.29.3.7 Procedures for MBS session status notification

The StatusNotify service operation shall be used to notify the status of the subscribed MBS session.

The NF Service producer (e.g. NEF) shall notify an MBS session status by sending Nnef\_MBSSession\_StatusNotify request using the HTTP POST message to the AF, the body of the HTTP POST message may include the "MbsSessionStatusNotif " data structure

The NF Consumer (e.g. AF) shall get the subscription information using the HTTP GET message to the NEF to the resource "MBS Session Subscription" or "Individual MBS Session Subscription", the body of the HTTP GET message may include the "MbsSessionSubsc" attribute.

Editor's note: Error cases and the related MBS responses are FFS.

\* \* \* Next Change \* \* \* \*

#### 5.20.5.1 General

This subclause specifies the application data model supported by the MBSSession API. Table 5.20.5.1-1 specifies the data types defined for the MBSSession API.

Table 5.20.5.1-1: MBSSession specific Data Types

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Subclause defined | Description | Applicability |
| MbsSessionCreateReq | 5.20.5.2.2 | Represents the full set of parameters to initiate a TMGI(s) allocation request or the refresh of the expiry time of already allocated TMGI(s). |  |
| MbsSessionCreateResp | 5.20.5.2.3 | Represents TMGI(s) allocation information or the refreshed expiry time for already allocated TMGI(s). |  |
| MbsSessionPatch | 5.20.5.2.4 | Represents the requested modifications to an Individual MBS Session resource. |  |
| MbsSessionSubsc | 5.20.5.2.5 | Represents an MBS Session Subscription. |  |
| MbsSessionStatusNotif | 5.20.5.2.6 | Represents an MBS Session Status notification. |  |
|  |  |  |  |

Table 5.20.5.1-2 specifies data types re-used by the MBSSession API from other specifications, including a reference to their respective specifications, and when needed, a short description of their use within the MBSSession API.

Table 5.20.5.1-2: Re-used Data Types

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Reference | Comments | Applicability |
| MbsSession | 3GPP TS 29.571 [8] | MBS session |  |
| Tmgi | 3GPP TS 29.571 [8] | TMGI |  |
| TunnelAddress | 3GPP TS 29.571 [8] | Tunnel Address (UDP/IP) |  |
| MbsSessionId | 3GPP TS 29.571 [8] | MBS Session Identifier |  |
| DateTime | 3GPP TS 29.122 [4] | Date and time |  |
| Uri | 3GPP TS 29.122 [4] | URI |  |
| MbsSessionSubscription | 3GPP TS 29.571 [8] | MBS Session Subscription |  |
| MbsSessionEventReportList | 3GPP TS 29.571 [8] | MBS Session Event Report List |  |

\* \* \* Next Change \* \* \* \*

##### 5.20.5.2.5 Type: MbsSessionSubsc

Table 5.20.5.2.5-1: Definition of type MbsSessionSubsc

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| subscription | MbsSessionSubscription | M | 1 | MBS Session Status subscription to be created |  |

\* \* \* Next Change \* \* \* \*

##### 5.20.5.2.6 Type: MbsSessionStatusNotif

Table 5.20.5.2.6-1: Definition of type MbsSessionStatusNotif

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| eventList | MbsSessionEventReportList | M | 1 | Reported MBS session events |  |

\* \* \* Next Change \* \* \* \*

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|  |  |  |

\* \* \* Next Change \* \* \* \*

# A.18 MBSSession API

openapi: 3.0.0

info:

 title: 3gpp-mbs-session

 version: 1.0.0-alpha.1

 description: |

 <API Name> Service.

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externalDocs:

 description: 3GPP TS 29.522 V17.4.0; 5G System; Network Exposure Function Northbound APIs.

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

servers:

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

 variables:

 apiRoot:

 default: https://example.com

 description: apiRoot as defined in clause 4.4 of 3GPP TS 29.501

security:

 - {}

 - oAuth2ClientCredentials:

 - 3gpp-mbs-session

paths:

 /mbs-sessions:

 post:

 summary: Create

 tags:

 - MBS sessions collection

 operationId: Create

 requestBody:

 description: representation of the MBS session to be created in the NEF

 required: true

 content:

 application/json:

 schema:

 $ref: '#/components/schemas/MbsSessionCreateReq'

 responses:

 '201':

 description: successful creation of an MBS session

 content:

 application/json:

 schema:

 $ref: '#/components/schemas/MbsSessionCreateRsp'

 headers:

 Location:

 description: 'Contains the URI of the newly created resource, according to the structure: {apiRoot}/3gpp-mbs-session/v1/mbssessions/{mbsSessionId}'

 required: true

 schema:

 type: string

 '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'

 /mbs-sessions/{mbsSessionId}:

 parameters:

 - name: mbsSessionId

 in: path

 description: Identifier of the MBS Session

 required: true

 schema:

 type: string

 put:

 summary: Updates/replaces an existing MBS session resource

 tags:

 - Individual MBS Session

 requestBody:

 description: Parameters to update/replace the MBS Session

 required: true

 content:

 application/json:

 schema:

 $ref: 'TS29571\_CommonData.yaml#/components/schemas/MbsSession'

 responses:

 '200':

 description: OK (Successful update of the MBS Session resource)

 content:

 application/json:

 schema:

 $ref: 'TS29571\_CommonData.yaml#/components/schemas/MbsSession'

 '204':

 description: No Content

 '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: Updates/replaces an existing MBS Session resource

 tags:

 - Individual MBS Session

 requestBody:

 required: true

 content:

 application/merge-patch+json:

 schema:

 $ref: '#/components/schemas/MbsSessionPatch'

 responses:

 '200':

 description: OK. The MBS Session resource was modified successfully.

 content:

 application/json:

 schema:

 $ref: 'TS29571\_CommonData.yaml#/components/schemas/MbsSession'

 '204':

 description: No Content

 '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 already existing MBS Session resource

 tags:

 - Individual MBS Session

 responses:

 '204':

 description: No Content (Successful deletion of the existing MBS Session 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'

 /mbs-sessions/subscriptions:

 get:

 summary: read all of the active MBS Sessions status subscriptions

 tags:

 - MBS Session Subscriptions

 responses:

 '200':

 description: OK.

 content:

 application/json:

 schema:

 type: array

 items:

 $ref: '#/components/schemas/MbsSessionSubsc'

 '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 MBS Session subscription resource

 tags:

 - MBS Session subscriptions

 requestBody:

 description: Request to create a new MBS Session subscription resource

 required: true

 content:

 application/json:

 schema:

 $ref: '#/components/schemas/MbsSessionSubsc'

 callbacks:

 notificationUri:

 '{request.body#/notificationUri}':

 post:

 requestBody: # contents of the callback message

 required: true

 content:

 application/json:

 schema:

 $ref: '#/components/schemas/MbsSessionStatusNotif'

 responses:

 '204':

 description: No Content (successful 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'

 responses:

 '201':

 description: Created (Successful creation of subscription)

 content:

 application/json:

 schema:

 $ref: '#/components/schemas/MbsSessionSubsc'

 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'

 /mbs-sessions/subscriptions/{subscriptionId}:

 parameters:

 - name: subscriptionId

 in: path

 description: Identifier of the MBS Session subscription resource

 required: true

 schema:

 type: string

 get:

 summary: read an active MBS Session subscriptions for the SCS/AS and the subscription Id

 tags:

 - Individual MBS Session subscription

 responses:

 '200':

 description: OK (Successful get the active subscription)

 content:

 application/json:

 schema:

 $ref: '#/components/schemas/MbsSessionSubsc'

 '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'

 delete:

 summary: Deletes an already existing subscription

 tags:

 - Individual MBS Session Subscription

 responses:

 '204':

 description: No Content (Successful deletion of the existing subscription)

 '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: '{nrfApiRoot}/oauth2/token'

 scopes:

 3gpp-mbs-session: Access to the Nnef-MBSSession API

 schemas:

#

# STRUCTURED DATA TYPES

#

 MbsSessionCreateReq:

 description: Data within Create Request

 type: object

 properties:

 afId:

 type: string

 mbsSession:

 $ref: 'TS29571\_CommonData.yaml#/components/schemas/MbsSession'

 required:

 - mbsSession

 MbsSessionCreateRsp:

 description: Data within Create Response

 type: object

 properties:

 mbsSession:

 $ref: 'TS29571\_CommonData.yaml#/components/schemas/MbsSession'

 tmgi:

 $ref: 'TS29571\_CommonData.yaml#/components/schemas/Tmgi'

 inTunAddr:

 $ref: 'TS29571\_CommonData.yaml#/components/schemas/TunnelAddress'

 required:

 - mbsSession

 MbsSessionPatch:

 description: Represents the requested modifications to an Individual MBS Session resource

 type: object

 properties:

 mbsSession:

 $ref: 'TS29571\_CommonData.yaml#/components/schemas/MbsSession'

 required:

 - mbsSession

 MbsSessionSubsc:

 description: Represents an MBS Session Subscription.

 type: object

 properties:

 subscription:

 $ref: 'TS29571\_CommonData.yaml#/components/schemas/MbsSessionSubscription'

 required:

 - subscription

 MbsSessionStatusNotif:

 description: Represents an MBS Session Status notification.

 type: object

 properties:

 eventList:

 $ref: 'TS29571\_CommonData.yaml#/components/schemas/MbsSessionEventReportList'

#

# SIMPLE DATA TYPES

#

#

# ENUMERATIONS

\* \* \* End of Changes \* \* \* \*