**3GPP TSG-CT3 Meeting #125 C3-225750**

**Toulouse, France, 14th – 18th November 2022**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.537** | **CR** | **0015** | **rev** | **-** | **Current version:** | **17.0.0** |  |
|  | | | | | | | | |
| *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:*** | Update of info and externalDocs fields | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI17 | | | | |  | ***Date:*** | | | 2022-11-18 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-17 |
|  | *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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | During this plenary cycle (2022-Q4), there have been some backwards compatible corrections to the MBS PCF APIs defined in TS 29.537. The API version of these APIs needs hence to be updated as per the guidelines defined in clause 4.3.1 of TS 29.501.  The following agreed CRs update the OpenAPI file of the **Npcf\_MBSPolicyControl API** for the present release:   * TS 29.537 CR#0009 introduces backwards compatible corrections * TS 29.537 CR#0012 introduces backwards compatible corrections * TS 29.537 CR#0014 introduces backwards compatible corrections * TS 29.571 CR#0382 introduces backwards compatible corrections   The API version needs to be updated from 1.0.0 to 1.0.1  The following agreed CRs update the OpenAPI file of the **Npcf\_MBSPolicyAuthorization API** for the present release:   * TS 29.537 CR#0008 introduces a backwards compatible correction * TS 29.571 CR#0382 introduces backwards compatible corrections   The API version needs to be updated from 1.0.0 to 1.0.1  The "externalDocs" object description field also needs to be updated to "v17.**1**.0" for these APIs. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | The CR proposes the following changes:   * Update the API version of the MBS PCF APIs defined in TS 29.537 from "1.0.0" to "1.0.1" as detailed above. * Update the TS version number in the "externalDocs" object description field to "v17.**1**.0". | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | * The OpenAPI version and the "externalDocs" object description field are not updated in the OpenAPI files impacted by the agreed CRs during Q4-2022 plenary cycle in CT3. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | A.2, A.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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's revision history:*** | |  | | | | | | | | |

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

# A.2 Npcf\_MBSPolicyControl API

openapi: 3.0.0

info:

title: Npcf\_MBSPolicyControl API

version: 1.0.1

description: |

MBS Policy Control Service

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externalDocs:

description: >

3GPP TS 29.537 V17.1.0; 5G System; Multicast/Broadcast Policy Control Services.

url: 'https://www.3gpp.org/ftp/Specs/archive/29\_series/29.537/'

security:

- {}

- oAuth2ClientCredentials:

- npcf-mbspolicycontrol

servers:

- url: '{apiRoot}/npcf-mbspolicycontrol/v1'

variables:

apiRoot:

default: https://example.com

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

paths:

/mbs-policies:

post:

summary: Request the creation of a new MBS Policy Association.

operationId: CreateMBSPolicy

tags:

- MBS Policy Associations (Collection)

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'201':

description: >

Created. An Individual MBS Policy resource is successfully created.

content:

application/json:

schema:

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

headers:

Location:

description: >

Contains the URI of the newly created Individual MBS Policy Association resource.

required: true

schema:

type: string

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

description: Forbidden.

content:

application/problem+json:

schema:

$ref: 'TS29537\_Npcf\_MBSPolicyAuthorization.yaml#/components/schemas/MbsExtProblemDetails'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/mbs-policies/{mbsPolicyId}:

parameters:

- name: mbsPolicyId

in: path

description: >

Contains the identifier of the concerned Individual MBS Policy Association.

required: true

schema:

type: string

get:

summary: Read an Individual MBS Policy.

operationId: GetIndMBSPolicy

tags:

- Individual MBS Policy Association (Document)

responses:

'200':

description: >

OK. The requested Individual MBS Policy Association resource is successfully returned.

content:

application/json:

schema:

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

'307':

$ref: 'TS29571\_CommonData.yaml#/components/responses/307'

'308':

$ref: 'TS29571\_CommonData.yaml#/components/responses/308'

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

delete:

summary: Deletes an existing Individual MBS Policy resource.

operationId: DeleteIndMBSPolicy

tags:

- Individual MBS Policy Association (Document)

parameters:

- name: mbsPolicyId

in: path

description: >

Contains the identifier of the concerned Individual MBS Policy Association.

required: true

schema:

type: string

responses:

'204':

description: >

No Content. The concerned Individual MBS Policy Association resource is successfully

deleted.

'307':

$ref: 'TS29571\_CommonData.yaml#/components/responses/307'

'308':

$ref: 'TS29571\_CommonData.yaml#/components/responses/308'

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/mbs-policies/{mbsPolicyId}/update:

post:

summary: Request the update of an existing MBS Policy Association.

operationId: UpdateIndMBSPolicy

tags:

- Individual MBS POlicy Association (Document)

parameters:

- name: mbsPolicyId

in: path

description: >

Contains the identifier of the concerned Individual MBS Policy Association.

required: true

schema:

type: string

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'200':

description: >

OK. The targeted Individual MBS Policy Association resource is successfully updated.

content:

application/json:

schema:

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

'307':

$ref: 'TS29571\_CommonData.yaml#/components/responses/307'

'308':

$ref: 'TS29571\_CommonData.yaml#/components/responses/308'

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

description: Forbidden.

content:

application/problem+json:

schema:

$ref: 'TS29537\_Npcf\_MBSPolicyAuthorization.yaml#/components/schemas/MbsExtProblemDetails'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

components:

securitySchemes:

oAuth2ClientCredentials:

type: oauth2

flows:

clientCredentials:

tokenUrl: '{nrfApiRoot}/oauth2/token'

scopes:

npcf-mbspolicycontrol: Access to the Npcf\_MBSPolicyControl API

schemas:

MbsPolicyCtxtData:

description: >

Contains the parameters used to request the creation of an MBS Policy

Association.

type: object

properties:

mbsSessionId:

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

dnn:

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

snssai:

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

mbsServInfo:

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

notificationUri:

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

suppFeat:

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

required:

- mbsSessionId

MbsPolicyData:

description: >

Contains the MBS policy data provisioned as part of an MBS Policy Association.

type: object

properties:

mbsPolicyCtxtData:

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

mbsPolicies:

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

suppFeat:

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

required:

- mbsPolicyCtxtData

MbsPolicyDecision:

description: >

Represents the parameters constituting an MBS Policy Decision.

type: object

properties:

mbsPccRules:

type: object

additionalProperties:

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

minProperties: 1

description: >

A map of MBS PCC rule(s) with each map entry containing the MbsPccRule data structure.

The key of the map for each entry is the mbsPccRuleId attribute of the corresponding

MbsPccRule data structure.

nullable: true

mbsQosDecs:

type: object

additionalProperties:

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

minProperties: 1

description: >

A map of MBS QoS Decision(s) with each map entry containing the MbsQosDecdata data

structure.The key of the map for each entry is the mbsQosId attribute of the corresponding

to the MbsQosDec data structure.

mbsQosChars:

type: object

additionalProperties:

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

minProperties: 1

description: >

A map of MBS QoS Characteristics set(s) with each map entry containing the MbsQosChar data

structure. The key of the map for each entry is the 5QI attribute of the

corresponding MbsQosDec data structure.

authMbsSessAmbr:

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

mbsPcrts:

type: array

items:

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

minItems: 1

nullable: true

MbsPccRule:

description: Represents the parameters constituting an MBS PCC rule.

type: object

properties:

mbsPccRuleId:

type: string

mbsDlIpFlowInfo:

type: array

items:

$ref: 'TS29512\_Npcf\_SMPolicyControl.yaml#/components/schemas/FlowDescription'

minItems: 1

precedence:

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

refMbsQosDec:

type: array

items:

type: string

minItems: 1

maxItems: 1

required:

- mbsPccRuleId

MbsQosDec:

description: Represents the parameters constituting an MBS QoS Decision.

type: object

properties:

mbsQosId:

type: string

5qi:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/5Qi'

priorityLevel:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/5QiPriorityLevel'

mbrDl:

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

gbrDl:

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

arp:

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

averWindow:

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

mbsMaxDataBurstVol:

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

required:

- mbsQosId

MbsQosChar:

description: Represents the parameters constituting a set of explicitly signalled QoS characteristics.

type: object

properties:

5qi:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/5Qi'

priorityLevel:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/5QiPriorityLevel'

resourceType:

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

packetDelayBudget:

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

packetErrorRate:

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

averWindow:

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

mbsMaxDataBurstVol:

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

required:

- 5qi

- resourceType

- priorityLevel

- packetDelayBudget

- packetErrorRate

- mbsMaxDataBurstVol

MbsMaxDataBurstVol:

type: integer

minimum: 1

maximum: 2000000

description: Represents MBS Maximum Data Burst Volume, expressed in Bytes.

MbsPolicyCtxtDataUpdate:

description: >

Contains the parameters to request the modification of an existing MBS Policy Association.

type: object

properties:

mbsServInfo:

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

mbsPcrts:

type: array

items:

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

minItems: 1

mbsErrorReport:

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

MbsErrorReport:

description: >

Represents the reporting of MBS Policy decision level failure(s) and/or MBS PCC rule level

failure(s).

type: object

properties:

mbsReports:

type: array

items:

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

minItems: 1

MbsReport:

description: >

Contains information about the MBS Policy Decision level failure(s) and/or the MBS PCC

rule level failure(s).

type: object

properties:

mbsPccRuleIds:

type: array

items:

type: string

minItems: 1

mbsPccRuleStatus:

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

failureCode:

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

# ENUMS:

MbsPcrt:

anyOf:

- type: string

enum:

- MBS\_SESSION\_UPDATE

- type: string

description: >

Represents MBS Policy Control Request Triggers.

description: |

Possible values are

- MBS\_SESSION\_UPDATE: Indicates the MBS Session Update policy control request trigger.

MbsPccRuleStatus:

anyOf:

- type: string

enum:

- ACTIVE

- INACTIVE

- type: string

description: >

Represents the MBS PCC rule status.

description: |

Possible values are

- ACTIVE: Indicates that the MBS PCC rule(s) are successfully installed.

- INACTIVE: Indicates that the MBS PCC rule(s) are removed.

MbsFailureCode:

anyOf:

- type: string

enum:

- NF\_MALFUNCTION

- NF\_RESOURCES\_UNAVAILABLE

- RESOURCE\_ALLOCATION\_FAILURE

- MBS\_QOS\_VALIDATION\_FAILURE

- NO\_MBS\_QOS\_FLOW

- MBS\_QOS\_DECISION\_ERROR

- MBS\_POLICY\_PARAM\_ERROR

- type: string

description: >

Represents the reason for the MBS Policy Decision(s) enforcement failure or the MBS PCC

rule(s) installation failure.

description: |

Possible values are:

- NF\_MALFUNCTION: Indicates that the MBS PCC rule could not be successfully installed due to MB-SMF/MB-UPF malfunction.

- NF\_RESOURCES\_UNAVAILABLE: Indicates that the MBS PCC rule could not be successfully installed due to resources unavailable at MB-SMF/MB-UPF.

- RESOURCE\_ALLOCATION\_FAILURE: Indicates that the MBS PCC rule could not be successfully installed or maintained since the associated MBS QoS flow establishment/modification failed or the associated MBS QoS flow was released.

- MBS\_QOS\_VALIDATION\_FAILURE: Indicates that MBS QoS validation has failed.

- NO\_MBS\_QOS\_FLOW: Indicates that there is no MBS QoS flow to which the MB-SMF can bind the MBS PCC rule(s).

- MBS\_QOS\_DECISION\_ERROR: Indicates failure in the provisioning of MBS QoS Decision data.

- MBS\_POLICY\_PARAM\_ERROR: Indicates that the information related to the provisioned MBS policy parameter(s) is incorrect, incomplete or inconsistent.

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

# A.3 Npcf\_MBSPolicyAuthorization API

openapi: 3.0.0

info:

title: Npcf\_MBSPolicyAuthorization API

version: 1.0.1

description: |

MBS Policy Authorization Service.

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externalDocs:

description: >

3GPP TS 29.537 V17.1.0; 5G System; Multicast/Broadcast Policy Control Services.

url: 'https://www.3gpp.org/ftp/Specs/archive/29\_series/29.537/'

security:

- {}

- oAuth2ClientCredentials:

- npcf-mbspolicyauth

servers:

- url: '{apiRoot}/npcf-mbspolicyauth/v1'

variables:

apiRoot:

default: https://example.com

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

paths:

/ contexts:

post:

summary: Request the creation of a new MBS Application Session Context.

operationId: CreateMBSAppSessionCtxt

tags:

- MBS Application Session Contexts (Collection)

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'201':

description: >

Created. An Individual MBS Application Session Context resource is successfully

created and a representation of the created resource is returned.

content:

application/json:

schema:

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

headers:

Location:

description: >

Contains the URI of the newly created Individual MBS Application Session

Context resource.

required: true

schema:

type: string

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

description: Forbidden.

content:

application/problem+json:

schema:

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

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/contexts/{contextId}:

parameters:

- name: contextId

in: path

description: >

Contains the identifier of the Individual MBS Application Session Context resource.

required: true

schema:

type: string

get:

summary: Read an existing Individual MBS Application Session Context resource.

operationId: GetMBSAppSessionCtxt

tags:

- Individual MBS Application Session Context (Document)

responses:

'200':

description: >

OK. The requested Individual MBS Application Session Context resource is successfully

returned.

content:

application/json:

schema:

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

'307':

$ref: 'TS29571\_CommonData.yaml#/components/responses/307'

'308':

$ref: 'TS29571\_CommonData.yaml#/components/responses/308'

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

patch:

summary: Request the modification of an existing Individual MBS Application Session Context resource.

operationId: ModifyMBSAppSessionCtxt

tags:

- Individual MBS Application Session Context (Document)

requestBody:

required: true

content:

application/merge-patch+json:

schema:

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

responses:

'200':

description: >

OK. The requested Individual MBS Application Session Context resource is successfully

modified and a representation of the updated resource is returned in the response body.

content:

application/json:

schema:

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

'204':

description: >

No Content. The correspondingIndividual MBS Application Session Context resource is

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

'307':

$ref: 'TS29571\_CommonData.yaml#/components/responses/307'

'308':

$ref: 'TS29571\_CommonData.yaml#/components/responses/308'

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

description: Forbidden.

content:

application/problem+json:

schema:

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

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

delete:

summary: Request the deletion of an existing Individual MBS Application Session Context resource.

operationId: DeleteMBSAppSessionCtxt

tags:

- Individual MBS Application Session Context (Document)

responses:

'204':

description: >

No Content. The correspondingIndividual MBS Application Session Context resource is

successfully deleted.

'307':

$ref: 'TS29571\_CommonData.yaml#/components/responses/307'

'308':

$ref: 'TS29571\_CommonData.yaml#/components/responses/308'

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

components:

securitySchemes:

oAuth2ClientCredentials:

type: oauth2

flows:

clientCredentials:

tokenUrl: '{nrfApiRoot}/oauth2/token'

scopes:

npcf-mbspolicyauth: Access to the Npcf\_MBSPolicyAuthorization API

schemas:

MbsAppSessionCtxt:

description: >

Represents the parameter of an MBS Application Session Context.

type: object

properties:

mbsSessionId:

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

mbsServInfo:

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

dnn:

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

snssai:

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

contactPcfInd:

type: boolean

default: false

suppFeat:

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

required:

- mbsSessionId

MbsAppSessionCtxtPatch:

description: >

Represents the modifications to an existing MBS Application Session Context resource.

type: object

properties:

mbsServInfo:

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

MbsExtProblemDetails:

description: Identifies the MBS related extensions to the ProblemDetails data structure.

allOf:

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

- $ref: '#/components/schemas/AcceptableMbsServInfo'

AcceptableMbsServInfo:

description: >

Contains the MBS Service Information that can be accepted by the PCF.

type: object

properties:

accMbsServInfo:

type: object

additionalProperties:

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

minProperties: 1

accMaxMbsBw:

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

oneOf:

- required: [accMbsServInfo]

- required: [accMaxMbsBw]

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