**3GPP TSG-SA5 Meeting #156 *S5-243662***

**Maastricht, Netherlands, 19th Aug 2024 - 23rd Aug 2024**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **28.541** | **CR** | **1307** | **rev** | **-** | **Current version:** | **19.0.0** |  |
|  | | | | | | | | |
| *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 | **X** | Core Network | **X** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Rel-19 CR TS 28.541 Implement readonly attributes for openAPI SS | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | AdNRM\_Ph3 | | | | |  | ***Date:*** | | | 2024-08-07 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **C** |  | | | | | ***Release:*** | | | Rel-19 |
|  | *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:*** | | The property “isWritable=False” for several attributes are described in Stage 2 NRM definition, however, it is missing in open API Solution Set. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Implement the readOnly attributes in open API Solution Set to align with stage2. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The property “isWritable=False” is not implemented in openAPI Solution Set. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | The following YAML files are normatively stored in 3GPP forge:  - TS28541\_5GcNrm.yaml  - TS28541\_NrNrm.yaml  - TS28541\_SliceNrm.yaml | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | Forge MR link: <https://forge.3gpp.org/rep/sa5/MnS/-/merge_requests/1237> at commit 4594024a059d94b8cd0fbdfe67cdd4213a1f7394 | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

|  |
| --- |
| **1st Change** |

\*\*\* START OF CHANGE 1 \*\*\*

\*\*\* OpenAPI/TS28541\_5GcNrm.yaml \*\*\*

<CODE BEGINS>

openapi: 3.0.1

info:

title: 3GPP 5GC NRM

version: 19.0.0

description: >-

OAS 3.0.1 specification of the 5GC NRM

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externalDocs:

description: 3GPP TS 28.541; 5G NRM, 5GC NRM

url: http://www.3gpp.org/ftp/Specs/archive/28\_series/28.541/

paths: {}

components:

schemas:

#-------- Definition of types-----------------------------------------------------

AmfIdentifier:

type: object

description: 'AmfIdentifier comprise of amfRegionId, amfSetId and amfPointer'

properties:

amfRegionId:

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

amfSetId:

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

amfPointer:

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

AmfRegionId:

type: integer

description: AmfRegionId is defined in TS 23.003

maximum: 255

AmfSetId:

type: string

description: AmfSetId is defined in TS 23.003

maximum: 1023

AmfPointer:

type: integer

description: AmfPointer is defined in TS 23.003

maximum: 63

IpEndPoint:

type: object

properties:

ipv4Address:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Ipv4Addr'

ipv6Address:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Ipv6Addr'

ipv6Prefix:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Ipv6Prefix'

transport:

$ref: 'TS28623\_GenericNrm.yaml#/components/schemas/TransportProtocol'

port:

type: integer

NFProfileList:

type: array

description: List of NF profile

items:

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

NFProfile:

type: object

description: 'NF profile stored in NRF, defined in TS 29.510'

properties:

nFInstanceId:

type: string

description: uuid of NF instance

nFType:

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

nFStatus:

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

plmn:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/PlmnId'

sNssais:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/Snssai'

fqdn:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Fqdn'

interPlmnFqdn:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Fqdn'

nfServices:

type: array

items:

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

NFService:

type: object

description: NF Service is defined in TS 29.510

properties:

serviceInstanceId:

type: string

serviceName:

type: string

version:

type: string

schema:

type: string

fqdn:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Fqdn'

interPlmnFqdn:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Fqdn'

ipEndPoints:

type: array

items:

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

apiPrfix:

type: string

allowedPlmns:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/PlmnId'

allowedNfTypes:

type: array

items:

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

allowedNssais:

type: array

items:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/Snssai'

NFStatus:

type: string

description: any of enumerated value

enum:

- REGISTERED

- SUSPENDED

CNSIIdList:

type: array

items:

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

CNSIId:

type: string

description: CNSI Id is defined in TS 29.531, only for Core Network.

EnergySavingControl:

type: string

description: any of enumerated value

enum:

- TO\_BE\_ENERGYSAVING

- TO\_BE\_NOT\_ENERGYSAVING

EnergySavingState:

type: string

readOnly: true

description: any of enumerated value

enum:

- IS\_NOT\_ENERGYSAVING

- IS\_ENERGYSAVING

TACList:

type: array

items:

$ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Tac'

WeightFactor:

type: integer

VendorId:

type: string

description: Vendor ID of the NF Service instance (Private Enterprise Number assigned by IANA)

pattern: '^[0-9]{6}$'

AusfInfo:

type: object

properties:

nFSrvGroupId:

type: string

readOnly: true

supiRanges:

type: array

items:

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

minItems: 1

routingIndicators:

type: array

items:

type: string

pattern: '^[0-9]{1,4}$'

minItems: 1

suciInfos:

type: array

items:

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

minItems: 1

SupportedDataSet:

type: string

description: any of enumerated value

enum:

- SUBSCRIPTION

- POLICY

- EXPOSURE

- APPLICATION

- A\_PFD

- A\_AFTI

- A\_IPTV

- A\_BDT

- A\_SPD

- A\_EASD

- A\_AMI

- P\_UE

- P\_SCD

- P\_BDT

- P\_PLMNUE

- P\_NSSCD

NotificationType:

type: string

readOnly: true

enum:

- N1\_MESSAGES

- N2\_INFORMATION

- LOCATION\_NOTIFICATION

- DATA\_REMOVAL\_NOTIFICATION

- DATA\_CHANGE\_NOTIFICATION

- LOCATION\_UPDATE\_NOTIFICATION

- NSSAA\_REAUTH\_NOTIFICATION

- NSSAA\_REVOC\_NOTIFICATION

DefaultNotificationSubscription:

type: object

properties:

notificationType:

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

callbackURI:

type: string

readOnly: true

n1MessageClass:

type: boolean

readOnly: true

n2InformationClass:

type: boolean

readOnly: true

versions:

type: string

readOnly: true

binding:

type: string

readOnly: true

ManagedNFProfile:

type: object

properties:

hniList:

type: array

items:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Fqdn'

nfInstanceID:

type: string

readOnly: true

nfType:

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

heartbeatTimer:

type: integer

authzInfo:

type: string

hostAddr:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/HostAddr'

allowedPLMNs:

type: array

items:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/PlmnId'

sNPNList:

type: array

items:

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

allowedSNPNs:

type: array

items:

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

allowedNfTypes:

type: array

items:

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

allowedNfDomains:

type: array

items:

type: string

allowedNSSAIs:

type: array

items:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/Snssai'

locality:

type: string

capacity:

type: integer

nfSetIdList:

type: array

items:

type: string

servingScope:

type: array

items:

type: string

lcHSupportInd:

type: boolean

readOnly: true

olcHSupportInd:

type: boolean

readOnly: true

nfSetRecoveryTimeList:

type: array

items:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DateTimeRo'

scpDomains:

type: array

items:

type: string

recoveryTime:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DateTimeRo'

nfServicePersistence:

type: boolean

readOnly: true

nfProfileChangesSupportInd:

type: boolean

defaultNotificationSubscriptions:

type: array

items:

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

minItems: 1

serviceSetRecoveryTimeList:

type: array

items:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DateTimeRo'

minItems: 1

vendorId:

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

SEPPType:

type: string

readOnly: true

description: any of enumerated value

enum:

- CSEPP

- PSEPP

SupportedFunc:

type: object

properties:

function:

type: string

policy:

type: string

SupportedFuncList:

type: array

items:

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

CommModelType:

type: string

description: any of enumerated value

enum:

- DIRECT\_COMMUNICATION\_WO\_NRF

- DIRECT\_COMMUNICATION\_WITH\_NRF

- INDIRECT\_COMMUNICATION\_WO\_DEDICATED\_DISCOVERY

- INDIRECT\_COMMUNICATION\_WITH\_DEDICATED\_DISCOVERY

CommModel:

type: object

properties:

groupId:

type: integer

commModelType:

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

targetNFServiceList:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnList'

commModelConfiguration:

type: string

CommModelList:

type: array

items:

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

CapabilityList:

type: array

items:

type: string

FiveQiDscpMapping:

type: object

properties:

fiveQIValues:

type: array

items:

type: integer

dscp:

type: integer

NetworkSliceInfo:

type: object

properties:

sNSSAI:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/Snssai'

cNSIId:

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

networkSliceRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnList'

NetworkSliceInfoList:

type: array

items:

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

PacketErrorRate:

type: object

properties:

scalar:

type: integer

exponent:

type: integer

GtpUPathDelayThresholdsType:

type: object

properties:

n3AveragePacketDelayThreshold:

type: integer

n3MinPacketDelayThreshold:

type: integer

n3MaxPacketDelayThreshold:

type: integer

n9AveragePacketDelayThreshold:

type: integer

n9MinPacketDelayThreshold:

type: integer

n9MaxPacketDelayThreshold:

type: integer

QFPacketDelayThresholdsType:

type: object

properties:

thresholdDl:

type: integer

thresholdUl:

type: integer

thresholdRtt:

type: integer

QosData:

type: object

properties:

qosId:

type: string

fiveQIValue:

type: integer

maxbrUl:

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

maxbrDl:

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

gbrUl:

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

gbrDl:

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

arp:

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

qosNotificationControl:

type: boolean

reflectiveQos:

type: boolean

sharingKeyDl:

type: string

sharingKeyUl:

type: string

maxPacketLossRateDl:

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

maxPacketLossRateUl:

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

extMaxDataBurstVol:

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

QosDataList:

type: array

items:

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

SteeringMode:

type: object

properties:

steerModeValue:

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

active:

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

standby:

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

threeGLoad:

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

prioAcc:

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

TrafficControlData:

type: object

properties:

tcId:

type: string

flowStatus:

$ref: 'TS29514\_Npcf\_PolicyAuthorization.yaml#/components/schemas/FlowStatus'

redirectInfo:

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

addRedirectInfo:

type: array

items:

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

minItems: 1

muteNotif:

type: boolean

trafficSteeringPolIdDl:

type: string

nullable: true

trafficSteeringPolIdUl:

type: string

nullable: true

routeToLocs:

type: array

items:

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

traffCorreInd:

type: boolean

upPathChgEvent:

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

steerFun:

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

steerModeDl:

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

steerModeUl:

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

mulAccCtrl:

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

snssaiList:

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

TrafficControlDataList:

type: array

items:

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

PccRule:

type: object

properties:

pccRuleId:

type: string

description: Univocally identifies the PCC rule within a PDU session.

flowInfoList:

type: array

items:

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

applicationId:

type: string

appDescriptor:

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

contentVersion:

$ref: 'TS29514\_Npcf\_PolicyAuthorization.yaml#/components/schemas/ContentVersion'

precedence:

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

afSigProtocol:

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

isAppRelocatable:

type: boolean

isUeAddrPreserved:

type: boolean

qosData:

type: array

items:

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

altQosParams:

type: array

items:

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

trafficControlData:

type: array

items:

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

conditionData:

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

tscaiInputDl:

$ref: 'TS29514\_Npcf\_PolicyAuthorization.yaml#/components/schemas/TscaiInputContainer'

tscaiInputUl:

$ref: 'TS29514\_Npcf\_PolicyAuthorization.yaml#/components/schemas/TscaiInputContainer'

SnssaiInfo:

type: object

properties:

plmnInfo:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfo'

administrativeState:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/AdministrativeState'

NsacfInfoSnssai:

type: object

properties:

SnssaiInfo:

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

isSubjectToNsac:

type: boolean

maxNumberofUEs:

type: integer

eACMode:

type: string

readOnly: true

enum:

- INACTIVE

- ACTIVE

activeEacThreshold:

type: integer

deactiveEacThreshold:

type: integer

numberofUEs:

type: integer

readOnly: true

uEIdList:

type: array

items:

type: string

readOnly: true

maxNumberofPDUSessions:

type: integer

NRTACRange:

type: object

properties:

nRTACstart:

type: string

nRTACend:

type: string

nRTACpattern:

type: string

TaiRange:

type: object

properties:

plmnId:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/PlmnId'

nRTACRangelist:

type: array

items:

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

GUAMInfo:

type: object

properties:

pLMNId:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/PlmnId'

aMFIdentifier:

type: integer

SupportedBMOList:

type: array

items:

type: string

ECSAddrConfigInfo:

type: array

items:

type: string

DnnSmfInfoItem:

type: object

properties:

dnn:

type: string

dnaiList:

type: array

items:

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

minItems: 1

dnaiSatelliteMapping:

type: object

properties:

dnaiList:

type: array

items:

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

minItems: 1

geoSatelliteId:

type: string

pattern: '^[0-9]{5}$'

SnssaiSmfInfoItem:

type: object

properties:

sNSSAI:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/Snssai'

dnnSmfInfoList:

type: array

items:

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

5GCNfConnEcmInfoList:

type: array

items:

$ref: '#/components/schemas/5GCNfConnEcmInfo'

5GCNfConnEcmInfo:

type: object

description: 'Store the 5GC NF connection information'

properties:

5GCNFType:

type: string

readOnly: true

enum:

- PCF

- NEF

- SCEF

5GCNFIpAddress:

type: string

readOnly: true

5GCNFRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnRo'

UPFConnectionInfo:

type: object

properties:

uPFIpAddress:

type: string

readOnly: true

uPFRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnRo'

SnssaiList:

type: array

items:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/Snssai'

SnpnId:

type: object

properties:

mcc:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Mcc'

mnc:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Mnc'

nid:

type: string

TaiList:

type: array

items:

$ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Tai'

SupiRange:

type: object

properties:

start:

type: string

end:

type: string

pattern:

type: string

IdentityRange:

type: object

properties:

start:

type: string

end:

type: string

pattern:

type: string

ProseCapability:

type: object

properties:

proseDirectDiscovery:

type: boolean

proseDirectCommunication:

type: boolean

proseL2UetoNetworkRelay:

type: boolean

proseL3UetoNetworkRelay:

type: boolean

proseL2RemoteUe:

type: boolean

proseL3RemoteUe:

type: boolean

V2xCapability:

type: object

properties:

lteV2x:

type: boolean

nrV2x:

type: boolean

InternalGroupIdRange:

type: object

properties:

start:

type: string

end:

type: string

pattern:

type: string

SuciInfo:

type: object

properties:

routingInds:

type: array

items:

type: string

hNwPubKeyIds:

type: array

items:

type: integer

SuciInfoList:

type: array

items:

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

SharedDataIdRange:

type: object

properties:

pattern:

type: string

SupiRangeList:

type: array

items:

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

IdentityRangeList:

type: array

items:

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

InternalGroupIdRangeList:

type: array

items:

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

SupportedDataSetList:

type: array

items:

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

SharedDataIdRangeList:

type: array

items:

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

InterfaceUpfInfoItem:

type: object

properties:

interfaceType:

type: string

enum:

- N3

- N6

- N9

- DATA\_FORWARDING

- N3MB

- N6MB

- N19MB

- NMB9

ipv4EndpointAddresses:

type: array

items:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Ipv4Addr'

minItems: 1

ipv6EndpointAddresses:

type: array

items:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Ipv6Addr'

minItems: 1

fqdn:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Fqdn'

networkInstance:

type: string

AtsssCapability:

type: object

properties:

atsssLL:

type: boolean

mptcp:

type: boolean

rttWithoutPmf:

type: boolean

IpInterface:

type: object

properties:

ipv4EndpointAddresses:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Ipv4Addr'

ipv6EndpointAddresses:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Ipv6Addr'

fqdn:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Fqdn'

Ipv4AddressRange:

description: Range of IPv4 addresses

type: object

properties:

start:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Ipv4Addr'

end:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Ipv4Addr'

Ipv6PrefixRange:

description: Range of IPv6 prefixes

type: object

properties:

start:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Ipv6Prefix'

end:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Ipv6Prefix'

Nid:

type: string

pattern: '^[A-Fa-f0-9]{11}$'

PlmnIdNid:

type: object

properties:

mcc:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Mcc'

mnc:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Mnc'

nid:

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

ScpCapability:

type: string

enum:

- INDIRECT\_COM\_WITH\_DELEG\_DISC

IpReachability:

description: Indicates the type(s) of IP addresses reachable via an SCP

anyOf:

- type: string

enum:

- IPV4

- IPV6

- IPV4V6

- type: string

ScpDomainInfo:

description: SCP Domain specific information

type: object

properties:

scpFqdn:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Fqdn'

scpIpEndPoints:

type: array

items:

$ref: 'TS28541\_5GcNrm.yaml#/components/schemas/IpEndPoint'

minItems: 1

scpPrefix:

type: string

scpPorts:

description: >

Port numbers for HTTP and HTTPS. The key of the map shall be "http" or "https".

type: object

additionalProperties:

type: integer

minimum: 0

maximum: 65535

minProperties: 1

SeppInfo:

description: Information of a SEPP Instance

type: object

properties:

seppPrefix:

type: string

seppPorts:

description: >

Port numbers for HTTP and HTTPS. The key of the map shall be "http" or "https".

type: object

additionalProperties:

type: integer

minimum: 0

maximum: 65535

minProperties: 1

remotePlmnList:

type: array

items:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/PlmnId'

minItems: 1

remoteSnpnList:

type: array

items:

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

minItems: 1

UdsfInfo:

description: Information related to UDSF

type: object

properties:

groupId:

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

supiRanges:

type: array

items:

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

minItems: 1

storageIdRanges:

description: >

A map (list of key-value pairs) where realmId serves as key and each value in the map

is an array of IdentityRanges. Each IdentityRange is a range of storageIds.

type: object

additionalProperties:

type: array

items:

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

minItems: 1

minProperties: 1

NsacfCapability:

description: >

NSACF service capabilities (e.g. to monitor and control the number of registered UEs

or established PDU sessions per network slice)

type: object

properties:

supportUeSAC:

description: |

Indicates the service capability of the NSACF to monitor and control the number of

registered UEs per network slice for the network slice that is subject to NSAC

true: Supported

false (default): Not Supported

type: boolean

default: false

supportPduSAC:

description: |

Indicates the service capability of the NSACF to monitor and control the number of

established PDU sessions per network slice for the network slice that is subject to NSAC

true: Supported

false (default): Not Supported

type: boolean

default: false

NsacfInfo:

description: Information of a NSACF NF Instance

type: object

required:

- nsacfCapability

properties:

nsacfCapability:

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

taiList:

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

taiRangeList:

type: array

items:

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

minItems: 1

NwdafCapability:

description: Indicates the capability supported by the NWDAF

type: object

properties:

analyticsAggregation:

type: boolean

default: false

analyticsMetadataProvisioning:

type: boolean

default: false

MlAnalyticsInfo:

description: ML Analytics Filter information supported by the Nnwdaf\_MLModelProvision service

type: object

properties:

mlAnalyticsIds:

type: array

items:

$ref: 'TS29520\_Nnwdaf\_EventsSubscription.yaml#/components/schemas/NwdafEvent'

minItems: 1

snssaiList:

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

trackingAreaList:

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

mlModelInterInfo:

type: array

items:

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

minItems: 0

flCapabilityType:

type: string

enum:

- FL\_SERVER

- FL\_CLIENT

- FL\_SERVER\_AND\_CLIENT

flTimeInterval:

type: array

items:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/TimeWindow'

minItems: 1

NwdafInfo:

description: Information of a NWDAF NF Instance

type: object

properties:

eventIds:

type: array

items:

$ref: 'TS29520\_Nnwdaf\_AnalyticsInfo.yaml#/components/schemas/EventId'

minItems: 1

nwdafEvents:

type: array

items:

$ref: 'TS29520\_Nnwdaf\_EventsSubscription.yaml#/components/schemas/NwdafEvent'

minItems: 1

taiList:

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

taiRangeList:

type: array

items:

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

minItems: 1

nwdafCapability:

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

analyticsDelay:

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

servingNfSetIdList:

type: array

items:

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

minItems: 1

servingNfTypeList:

type: array

items:

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

minItems: 1

mlAnalyticsList:

type: array

items:

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

minItems: 1

ScpInfo:

description: Information of an SCP Instance

type: object

properties:

scpDomainInfoList:

description: >

A map (list of key-value pairs) where the key of the map shall be the string

identifying an SCP domain

type: object

additionalProperties:

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

minProperties: 1

scpPrefix:

type: string

scpPorts:

description: >

Port numbers for HTTP and HTTPS. The key of the map shall be "http" or "https".

type: object

additionalProperties:

type: integer

minimum: 0

maximum: 65535

minProperties: 1

addressDomains:

type: array

items:

type: string

minItems: 1

ipv4Addresses:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Ipv4Addr'

minItems: 1

ipv6Prefixes:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Ipv6Prefix'

minItems: 1

ipv4AddrRanges:

type: array

items:

$ref: '#/components/schemas/Ipv4AddressRange'

minItems: 1

ipv6PrefixRanges:

type: array

items:

$ref: '#/components/schemas/Ipv6PrefixRange'

minItems: 1

servedNfSetIdList:

type: array

items:

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

minItems: 1

remotePlmnList:

type: array

items:

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

minItems: 1

remoteSnpnList:

type: array

items:

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

minItems: 1

ipReachability:

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

scpCapabilities:

type: array

items:

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

PfdData:

description: List of Application IDs and/or AF IDs managed by a given NEF Instance

type: object

properties:

appIds:

type: array

items:

type: string

minItems: 1

readOnly: true

afIds:

type: array

items:

type: string

minItems: 1

readOnly: true

AfEvent:

description: Represents Application Events.

anyOf:

- type: string

enum:

- SVC\_EXPERIENCE

- UE\_MOBILITY

- UE\_COMM

- EXCEPTIONS

- USER\_DATA\_CONGESTION

- PERF\_DATA

- DISPERSION

- COLLECTIVE\_BEHAVIOUR

- MS\_QOE\_METRICS

- MS\_CONSUMPTION

- MS\_NET\_ASSIST\_INVOCATION

- MS\_DYN\_POLICY\_INVOCATION

- MS\_ACCESS\_ACTIVITY

- 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.

AfEventExposureData:

description: AF Event Exposure data managed by a given NEF Instance

type: object

required:

- afEvents

properties:

afEvents:

type: array

items:

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

minItems: 1

afIds:

type: array

items:

type: string

minItems: 1

readOnly: true

appIds:

type: array

items:

type: string

minItems: 1

readOnly: true

UnTrustAfInfo:

description: Information of a untrusted AF Instance

type: object

required:

- afId

properties:

afId:

type: string

sNssaiInfoList:

type: array

items:

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

minItems: 1

mappingInd:

type: boolean

default: false

SnssaiInfoItem:

description: >

Parameters supported by an NF for a given S-NSSAI Set of parameters supported by NF

for a given S-NSSAI

type: object

required:

- sNssai

- dnnInfoList

properties:

sNssai:

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

dnnInfoList:

type: array

items:

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

minItems: 1

DnnInfoItem:

description: Set of parameters supported by NF for a given DNN

type: object

required:

- dnn

properties:

dnn:

anyOf:

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

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

EasdfInfo:

description: Information of an EASDF NF Instance

type: object

properties:

sNssaiEasdfInfoList:

type: array

items:

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

minItems: 1

easdfN6IpAddressList:

type: array

items:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/IpAddr'

minItems: 1

upfN6IpAddressList:

type: array

items:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/IpAddr'

minItems: 1

SnssaiEasdfInfoItem:

description: Set of parameters supported by EASDF for a given S-NSSAI

type: object

required:

- sNssai

- dnnEasdfInfoList

properties:

sNssai:

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

dnnEasdfInfoList:

type: array

items:

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

minItems: 1

DnnEasdfInfoItem:

description: Set of parameters supported by EASDF for a given DNN

type: object

required:

- dnn

properties:

dnn:

anyOf:

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

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

dnaiList:

type: array

items:

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

minItems: 1

NssaafInfo:

description: Information of a NSSAAF Instance

type: object

properties:

supiRanges:

type: array

items:

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

minItems: 1

internalGroupIdentifiersRanges:

type: array

items:

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

minItems: 1

TrustAfInfo:

description: Information of a trusted AF Instance

type: object

properties:

sNssaiInfoList:

type: array

items:

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

minItems: 1

afEvents:

type: array

items:

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

minItems: 1

appIds:

type: array

items:

type: string

minItems: 1

internalGroupId:

type: array

items:

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

minItems: 1

mappingInd:

type: boolean

default: False

ExternalClientType:

description: Indicates types of External Clients.

anyOf:

- type: string

enum:

- EMERGENCY\_SERVICES

- VALUE\_ADDED\_SERVICES

- PLMN\_OPERATOR\_SERVICES

- LAWFUL\_INTERCEPT\_SERVICES

- PLMN\_OPERATOR\_BROADCAST\_SERVICES

- PLMN\_OPERATOR\_OM

- PLMN\_OPERATOR\_ANONYMOUS\_STATISTICS

- PLMN\_OPERATOR\_TARGET\_MS\_SERVICE\_SUPPORT

- type: string

SupportedGADShapes:

description: Indicates supported GAD shapes.

anyOf:

- type: string

enum:

- POINT

- POINT\_UNCERTAINTY\_CIRCLE

- POINT\_UNCERTAINTY\_ELLIPSE

- POLYGON

- POINT\_ALTITUDE

- POINT\_ALTITUDE\_UNCERTAINTY

- ELLIPSOID\_ARC

- LOCAL\_2D\_POINT\_UNCERTAINTY\_ELLIPSE

- LOCAL\_3D\_POINT\_UNCERTAINTY\_ELLIPSOID

- type: string

AnNodeType:

description: Access Network Node Type (gNB, ng-eNB...)

anyOf:

- type: string

enum:

- GNB

- NG\_ENB

- type: string

TrpMappingInfo:

type: object

properties:

satelliteId:

type: string

pattern: '^[0-9]{5}$'

trpIds:

type: array

items:

type: integer

minimum: 1

maximum: 65535

TrpInfo:

description: The mapping relationship between TRP IDs, gNB ID and Satellite ID.

type: object

properties:

gNBId:

type: integer

minimum: 0

maximum: 4294967295

trpMappingInfoList:

type: array

items:

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

minItems: 1

TrpInfoList:

type: array

items:

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

LmfInfo:

description: Information of an LMF NF Instance

type: object

properties:

servingClientTypes:

type: array

items:

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

minItems: 1

lmfId:

type: string

servingAccessTypes:

type: array

items:

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

minItems: 1

servingAnNodeTypes:

type: array

items:

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

minItems: 1

servingRatTypes:

type: array

items:

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

minItems: 1

taiList:

type: array

items:

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

minItems: 1

taiRangeList:

type: array

items:

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

minItems: 1

supportedGADShapes:

type: array

items:

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

minItems: 1

UdrInfo:

description: Information of an UDR NF Instance

type: object

properties:

groupId:

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

supiRanges:

type: array

items:

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

minItems: 1

gpsiRanges:

type: array

items:

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

minItems: 1

externalGroupIdentifiersRanges:

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

supportedDataSets:

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

sharedDataIdRanges:

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

UdmInfo:

description: Information of an UDM NF Instance

type: object

properties:

groupId:

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

supiRanges:

type: array

items:

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

minItems: 1

gpsiRanges:

type: array

items:

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

minItems: 1

externalGroupIdentifiersRanges:

type: array

items:

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

minItems: 1

routingIndicators:

type: array

items:

type: string

pattern: '^[0-9]{1,4}$'

minItems: 1

internalGroupIdentifiersRanges:

type: array

items:

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

minItems: 1

suciInfos:

type: array

items:

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

minItems: 1

PlmnRange:

description: Range of PLMN IDs

type: object

oneOf:

- required: [ start, end ]

- required: [ pattern ]

properties:

start:

type: string

pattern: '^[0-9]{3}[0-9]{2,3}$'

end:

type: string

pattern: '^[0-9]{3}[0-9]{2,3}$'

pattern:

type: string

SmsfInfo:

description: Specific Data for SMSF

type: object

properties:

roamingUeInd:

type: boolean

remotePlmnRangeList:

type: array

items:

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

minItems: 1

DccfInfo:

description: Specific Data for DCCF

type: object

properties:

servingNfTypeList:

type: array

items:

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

minItems: 1

servingNfSetIdList:

type: array

items:

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

minItems: 1

taiList:

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

taiRangeList:

type: array

items:

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

minItems: 1

MfafInfo:

description: Information of a MFAF NF Instance

type: object

properties:

servingNfTypeList:

type: array

items:

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

servingNfSetIdList:

type: array

items:

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

taiList:

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

taiRangeList:

type: array

items:

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

ChfInfo:

description: Information of a CHF NF Instance

type: object

not:

required: [ primaryChfInstance, secondaryChfInstance ]

properties:

supiRangeList:

type: array

items:

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

minItems: 0

gpsiRangeList:

type: array

items:

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

minItems: 0

plmnRangeList:

type: array

items:

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

minItems: 0

groupId:

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

primaryChfInstance:

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

secondaryChfInstance:

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

N2InterfaceAmfInfo:

description: AMF N2 interface information

type: object

anyOf:

- required: [ ipv4EndpointAddress ]

- required: [ ipv6EndpointAddress ]

properties:

ipv4EndpointAddress:

type: array

items:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Ipv4Addr'

minItems: 1

ipv6EndpointAddress:

type: array

items:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Ipv6Addr'

minItems: 1

amfName:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Fqdn'

AmfInfo:

description: Information of an AMF NF Instance

type: object

required:

- amfSetId

- amfRegionId

- guamiList

properties:

amfSetId:

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

amfRegionId:

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

guamiList:

type: array

items:

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

minItems: 1

taiList:

type: array

items:

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

minItems: 1

taiRangeList:

type: array

items:

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

minItems: 1

backupInfoAmfFailure:

type: array

items:

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

minItems: 1

backupInfoAmfRemoval:

type: array

items:

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

minItems: 1

n2InterfaceAmfInfo:

$ref: '#/components/schemas/N2InterfaceAmfInfo'

amfOnboardingCapability:

type: boolean

default: false

highLatencyCom:

type: boolean

SmfInfo:

description: Information of an SMF NF Instance

type: object

required:

- sNssaiSmfInfoList

properties:

sNssaiSmfInfoList:

type: array

items:

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

minItems: 1

taiList:

type: array

items:

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

minItems: 1

taiRangeList:

type: array

items:

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

minItems: 1

pgwFqdn:

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

pgwIpAddrList:

type: array

items:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/IpAddr'

minItems: 1

accessType:

type: array

items:

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

minItems: 1

priority:

type: integer

minimum: 0

maximum: 65535

vsmfSupportInd:

type: boolean

pgwFqdnList:

type: array

items:

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

minItems: 1

smfOnboardingCapability:

type: boolean

default: false

deprecated: true

ismfSupportInd:

type: boolean

smfUPRPCapability:

type: boolean

default: false

UpfInfo:

description: Information of an UPF NF Instance

type: object

required:

- sNssaiUpfInfoList

properties:

sNssaiUpfInfoList:

type: array

items:

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

minItems: 1

smfServingArea:

type: array

items:

type: string

minItems: 1

interfaceUpfInfoList:

type: array

items:

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

minItems: 1

iwkEpsInd:

type: boolean

default: false

readOnly: true

sxaInd:

type: boolean

readOnly: true

pduSessionTypes:

type: array

items:

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

minItems: 1

atsssCapability:

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

ueIpAddrInd:

type: boolean

default: false

readOnly: true

taiList:

type: array

items:

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

minItems: 1

taiRangeList:

type: array

items:

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

minItems: 1

wAgfInfo:

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

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

tngfInfo:

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

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

twifInfo:

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

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

priority:

type: integer

minimum: 0

maximum: 65535

redundantGtpu:

type: boolean

default: false

readOnly: true

ipups:

type: boolean

default: false

dataForwarding:

type: boolean

default: false

supportedPfcpFeatures:

type: string

readOnly: true

# upfEvents:

# type: array

# items:

# $ref: 'TS29564\_Nupf\_EventExposure.yaml#/components/schemas/EventType'

# minItems: 1

PcfInfo:

description: Information of a PCF NF Instance

type: object

properties:

groupId:

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

dnnList:

type: array

items:

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

minItems: 1

supiRanges:

type: array

items:

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

minItems: 1

gpsiRanges:

type: array

items:

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

minItems: 1

rxDiamHost:

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

rxDiamRealm:

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

v2xSupportInd:

type: boolean

default: false

readOnly: true

proseSupportInd:

type: boolean

default: false

readOnly: true

proseCapability:

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

v2xCapability:

$ref: '#/components/schemas/V2xCapability'

a2xSupportInd:

type: boolean

default: false

readOnly: true

a2xCapability:

$ref: '#/components/schemas/A2xCapability'

rangingSlPosSupportInd:

type: boolean

default: false

readOnly: true

A2xCapability:

description: Information of the supported A2X Capability by the PCF

type: object

properties:

lteA2x:

type: boolean

default: false

nrA2x:

type: boolean

default: false

NefInfo:

description: Information of an NEF NF Instance

type: object

properties:

nefId:

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

type: string

pfdData:

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

afEeData:

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

gpsiRanges:

type: array

items:

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

minItems: 1

externalGroupIdentifiersRanges:

type: array

items:

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

minItems: 1

servedFqdnList:

type: array

items:

type: string

minItems: 1

taiList:

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

taiRangeList:

type: array

items:

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

minItems: 1

dnaiList:

type: array

items:

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

minItems: 1

unTrustAfInfoList:

type: array

items:

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

minItems: 1

uasNfFunctionalityInd:

type: boolean

default: false

multiMemAfSessQosInd:

type: boolean

default: false

memberUESelAssistInd:

type: boolean

default: false

NrfInfo:

description: Information of an NRF NF Instance, used in hierarchical NRF deployments

type: object

properties:

servedUdrInfo:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedUdrInfoList:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

description: A map (list of key-value pairs) where a valid JSON string serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

minProperties: 1

servedUdmInfo:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedUdmInfoList:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

description: A map (list of key-value pairs) where a valid JSON string serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

minProperties: 1

servedAusfInfo:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedAusfInfoList:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

description: A map (list of key-value pairs) where a valid JSON string serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

minProperties: 1

servedAmfInfo:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedAmfInfoList:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

description: A map (list of key-value pairs) where a valid JSON string serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

minProperties: 1

servedSmfInfo:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedSmfInfoList:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

description: A map (list of key-value pairs) where a valid JSON string serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

minProperties: 1

servedUpfInfo:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedUpfInfoList:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

description: A map (list of key-value pairs) where a valid JSON string serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

minProperties: 1

servedPcfInfo:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedPcfInfoList:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

description: A map (list of key-value pairs) where a valid JSON string serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

minProperties: 1

servedBsfInfo:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedBsfInfoList:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

description: A map (list of key-value pairs) where a valid JSON string serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

minProperties: 1

servedChfInfo:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedChfInfoList:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

description: A map (list of key-value pairs) where a valid JSON string serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

minProperties: 1

servedNefInfo:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedNwdafInfo:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedNwdafInfoList:

type: object

description: A map (list of key-value pairs) where NF Instance Id serves as key

additionalProperties:

type: object

description: A map (list of key-value pairs) where a valid JSON string serves as key

additionalProperties:

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

minProperties: 1

minProperties: 1

servedPcscfInfoList:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

description: A map (list of key-value pairs) where a valid JSON string serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

minProperties: 1

servedGmlcInfo:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedLmfInfo:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedNfInfo:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

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

minProperties: 1

servedHssInfoList:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

description: A map (list of key-value pairs) where a valid JSON string serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

minProperties: 1

servedUdsfInfo:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedUdsfInfoList:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

description: A map (list of key-value pairs) where a valid JSON string serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

minProperties: 1

servedScpInfoList:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedSeppInfoList:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedAanfInfoList:

description: A map (list of key-value pairs) where NF Instance Id serves as key

type: object

additionalProperties:

description: A map (list of key-value pairs) where a valid JSON string serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

served5gDdnmfInfo:

type: object

additionalProperties:

$ref: '#/components/schemas/5GDdnmfInfo'

minProperties: 1

servedMfafInfoList:

type: object

description: A map (list of key-value pairs) where NF Instance Id serves as key

additionalProperties:

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

minProperties: 1

servedEasdfInfoList:

type: object

description: A map (list of key-value pairs) where NF Instance Id serves as key

additionalProperties:

type: object

description: A map (list of key-value pairs) where a valid JSON string serves as key

additionalProperties:

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

minProperties: 1

servedDccfInfoList:

type: object

description: A map (list of key-value pairs) where NF Instance Id serves as key

additionalProperties:

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

minProperties: 1

servedMbSmfInfoList:

description: A map (list of key-value pairs) where nfInstanceId serves as key

type: object

additionalProperties:

description: A map (list of key-value pairs) where a valid JSON string serves as key

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

minProperties: 1

servedTsctsfInfoList:

type: object

description: A map (list of key-value pairs) where NF Instance Id serves as key

additionalProperties:

type: object

description: A map (list of key-value pairs) where a valid JSON string serves as key

additionalProperties:

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

minProperties: 1

minProperties: 1

servedMbUpfInfoList:

type: object

description: A map (list of key-value pairs) where NF Instance Id serves as key

additionalProperties:

type: object

description: A map (list of key-value pairs) where a valid JSON string serves as key

additionalProperties:

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

minProperties: 1

minProperties: 1

servedTrustAfInfo:

type: object

description: A map (list of key-value pairs) where NF Instance Id serves as key

additionalProperties:

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

minProperties: 1

servedNssaafInfo:

type: object

description: A map (list of key-value pairs) where NF Instance Id serves as key

additionalProperties:

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

minProperties: 1

SatelliteBackhaulInfo:

description: defines the list of satellite backhaul information

type: object

properties:

globalRanNodeID:

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

SatelliteBackhaulCategory:

anyOf:

- type: string

enum:

- GEO

- MEO

- LEO

- OTHER\_SAT

- DYNAMIC\_GEO

- DYNAMIC\_MEO

- DYNAMIC\_LEO

- DYNAMIC\_OTHER\_SAT

- NON\_SATELLITE

- type: string

geoSatelliteId:

type: string

pattern: '^[0-9]{5}$'

GlobalRanNodeID:

description: globally identification of an NG-RAN node

type: object

oneOf:

- required: [ pLmnId, n3IwfId]

- required: [ plmnId, gNbId]

- required: [ pLmnId, ngeNbId]

- required: [ plmnId, wagfId]

- required: [ pLmnId, tngfId]

- required: [ plmnId, twifId]

properties:

pLmnId:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/PlmnId'

n3IwfId:

type: string

pattern: '^[A-Fa-f0-9]+$'

gNbId:

type: integer

minimum: 0

maximum: 4294967295

ngeNbId:

type: string

pattern: '^(MacroNGeNB-[A-Fa-f0-9]{5}|LMacroNGeNB-[A-Fa-f0-9]{6}|SMacroNGeNB-[A-Fa-f0-9]{5})$'

wagfId:

type: string

pattern: '^[A-Fa-f0-9]+$'

tngfId:

type: string

pattern: '^[A-Fa-f0-9]+$'

twifId:

type: string

NTNPLMNRestrictionsInfo:

description: restrictions per PLMN that relates to non-terrestrial network access

type: object

properties:

pLMNId:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/PlmnId'

blockedLocationInfoList:

type: array

items:

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

minItems: 1

BlockedLocationInfoList:

description: location for which the PLMN access restrictions are to be applied in case of NTN

type: object

properties:

blockedLocation:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/PlmnId'

blockedDur:

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

blockedSlice:

type: string

TimeDuration:

description: location for which the PLMN access restrictions are to be applied in case of NTN

type: object

properties:

blockedDurStartTime:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DateTime'

blockedDurEndTime:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DateTime'

5GDdnmfInfo:

description: Information of an 5G DDNMF NF Instance

type: object

required:

- plmnId

properties:

plmnId:

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

ImsiRange:

description: >

A range of IMSIs (subscriber identities), either based on a numeric range,

or based on regular-expression matching

type: object

oneOf:

- required: [ start, end ]

- required: [ pattern ]

properties:

start:

type: string

pattern: '^[0-9]+$'

end:

type: string

pattern: '^[0-9]+$'

pattern:

type: string

NetworkNodeDiameterAddress:

description: >

This data type is a part of smsfDiameterAddress and it should be present

whenever smsf supports Diameter protocol.

type: object

required:

- name

- realm

properties:

name:

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

realm:

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

HssInfo:

description: Information of an HSS NF Instance

type: object

properties:

groupId:

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

imsiRanges:

type: array

items:

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

minItems: 1

imsPrivateIdentityRanges:

type: array

items:

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

minItems: 1

imsPublicIdentityRanges:

type: array

items:

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

minItems: 1

msisdnRanges:

type: array

items:

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

minItems: 1

externalGroupIdentifiersRanges:

type: array

items:

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

minItems: 1

hssDiameterAddress:

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

additionalDiamAddresses:

type: array

items:

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

minItems: 1

GmlcInfo:

description: Information of a GMLC NF Instance

type: object

properties:

servingClientTypes:

type: array

items:

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

gmlcNumbers:

type: array

items:

type: string

pattern: '^[0-9]{5,15}$'

SnssaiTsctsfInfoItem:

description: Set of parameters supported by TSCTSF for a given S-NSSAI

type: object

required:

- sNssai

- dnnInfoList

properties:

sNssai:

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

dnnInfoList:

type: array

items:

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

minItems: 1

DnnTsctsfInfoItem:

description: Parameters supported by an TSCTSF for a given DNN

type: object

required:

- dnn

properties:

dnn:

anyOf:

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

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

TsctsfInfo:

description: Information of a TSCTSF NF Instance

type: object

properties:

sNssaiInfoList:

description: A map (list of key-value pairs) where a valid JSON string serves as key

additionalProperties:

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

minProperties: 0

externalGroupIdentifiersRanges:

type: array

items:

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

supiRanges:

type: array

items:

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

gpsiRanges:

type: array

items:

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

internalGroupIdentifiersRanges:

type: array

items:

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

BsfInfo:

description: Information of a BSF NF Instance

type: object

properties:

dnnList:

type: array

items:

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

minItems: 0

ipDomainList:

type: array

items:

type: string

minItems: 0

ipv4AddressRanges:

type: array

items:

$ref: '#/components/schemas/Ipv4AddressRange'

minItems: 0

ipv6PrefixRanges:

type: array

items:

$ref: '#/components/schemas/Ipv6PrefixRange'

minItems: 0

rxDiamHost:

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

rxDiamRealm:

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

groupId:

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

supiRanges:

type: array

items:

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

minItems: 0

gpsiRanges:

type: array

items:

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

minItems: 0

MbSmfInfo:

description: Information of an MB-SMF NF Instance

type: object

properties:

sNssaiInfoList:

description: A map (list of key-value pairs) where a valid JSON string serves as key

additionalProperties:

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

minProperties: 1

tmgiRangeList:

description: A map (list of key-value pairs) where a valid JSON string serves as key

additionalProperties:

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

minProperties: 1

taiList:

type: array

items:

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

minItems: 1

taiRangeList:

type: array

items:

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

minItems: 1

mbsSessionList:

description: A map (list of key-value pairs) where a valid JSON string serves as key

additionalProperties:

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

minProperties: 1

TmgiRange:

description: Range of TMGIs

type: object

required:

- mbsServiceIdStart

- mbsServiceIdEnd

- plmnId

properties:

mbsServiceIdStart:

type: string

pattern: '^[A-Fa-f0-9]{6}$'

mbsServiceIdEnd:

type: string

pattern: '^[A-Fa-f0-9]{6}$'

plmnId:

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

nid:

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

MbsSession:

description: MBS Session currently served by an MB-SMF

type: object

required:

- mbsSessionId

properties:

mbsSessionId:

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

mbsAreaSessions:

description: A map (list of key-value pairs) where the key identifies an areaSessionId

additionalProperties:

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

minProperties: 1

MbsServiceAreaInfo:

description: MBS Service Area Information for location dependent MBS session

type: object

properties:

areaSessionId:

type: integer

minimum: 0

maximum: 65535

mbsServiceArea:

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

required:

- areaSessionId

- mbsServiceArea

MbsSessionId:

description: MBS Session Identifier

type: object

properties:

tmgi:

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

ssm:

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

nid:

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

anyOf:

- required: [ tmgi ]

- required: [ ssm ]

Tmgi:

description: Temporary Mobile Group Identity

type: object

properties:

mbsServiceId:

type: string

pattern: '^[A-Fa-f0-9]{6}$'

description: MBS Service ID

plmnId:

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

required:

- mbsServiceId

- plmnId

Ssm:

description: Source specific IP multicast address

type: object

properties:

sourceIpAddr:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/IpAddr'

destIpAddr:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/IpAddr'

required:

- sourceIpAddr

- destIpAddr

MbsServiceArea:

description: MBS Service Area

type: object

properties:

ncgiList:

type: array

items:

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

minItems: 1

description: List of NR cell Ids

taiList:

type: array

items:

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

minItems: 1

description: List of tracking area Ids

anyOf:

- required: [ ncgiList ]

- required: [ taiList ]

NcgiTai:

description: List of NR cell ids, with their pertaining TAIs

type: object

properties:

tai:

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

cellList:

type: array

items:

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

minItems: 1

description: List of List of NR cell ids

required:

- tai

- cellList

Ncgi:

description: Contains the NCGI (NR Cell Global Identity), as described in 3GPP 23.003

type: object

properties:

plmnId:

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

nrCellId:

type: string

pattern: '^[A-Fa-f0-9]{9}$'

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

nid:

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

required:

- plmnId

- nrCellId

SnssaiMbSmfInfoItem:

description: Parameters supported by an MB-SMF for a given S-NSSAI

type: object

required:

- sNssai

- dnnInfoList

properties:

sNssai:

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

dnnInfoList:

type: array

items:

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

minItems: 1

DnnMbSmfInfoItem:

description: Parameters supported by an MB-SMF for a given DNN

type: object

required:

- dnn

properties:

dnn:

anyOf:

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

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

AanfInfo:

description: Represents the information relative to an AAnF NF Instance.

type: object

properties:

routingIndicators:

type: array

items:

type: string

pattern: '^[0-9]{1,4}$'

MbUpfInfo:

description: Information of an MB-UPF NF Instance

type: object

required:

- sNssaiMbUpfInfoList

properties:

sNssaiMbUpfInfoList:

type: array

items:

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

minItems: 1

mbSmfServingArea:

type: array

items:

type: string

minItems: 1

interfaceMbUpfInfoList:

type: array

items:

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

minItems: 1

taiList:

type: array

items:

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

minItems: 1

taiRangeList:

type: array

items:

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

minItems: 1

priority:

type: integer

minimum: 0

maximum: 65535

supportedPfcpFeatures:

type: string

SnssaiUpfInfoItem:

description: Set of parameters supported by UPF for a given S-NSSAI

type: object

required:

- sNssai

- dnnUpfInfoList

properties:

sNssai:

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

dnnUpfInfoList:

type: array

items:

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

minItems: 1

redundantTransport:

type: boolean

default: false

IpIndex:

description: Represents the IP Index to be sent from UDM to the SMF (its value can be either an integer or a string)

anyOf:

- type: integer

- type: string

DnnUpfInfoItem:

description: Set of parameters supported by UPF for a given DNN

type: object

required:

- dnn

properties:

dnn:

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

dnaiList:

type: array

items:

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

minItems: 1

pduSessionTypes:

type: array

items:

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

minItems: 1

ipv4AddressRanges:

type: array

items:

$ref: '#/components/schemas/Ipv4AddressRange'

minItems: 1

ipv6PrefixRanges:

type: array

items:

$ref: '#/components/schemas/Ipv6PrefixRange'

minItems: 1

natedIpv4AddressRanges:

type: array

items:

$ref: '#/components/schemas/Ipv4AddressRange'

minItems: 1

natedIpv6PrefixRanges:

type: array

items:

$ref: '#/components/schemas/Ipv6PrefixRange'

minItems: 1

ipv4IndexList:

type: array

items:

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

minItems: 1

ipv6IndexList:

type: array

items:

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

minItems: 1

networkInstance:

description: >

The N6 Network Instance associated with the S-NSSAI and DNN.

type: string

dnaiNwInstanceList:

description: >

Map of network instance per DNAI for the DNN, where the key of the map is the DNAI.

When present, the value of each entry of the map shall contain a N6 network instance

that is configured for the DNAI indicated by the key.

type: object

additionalProperties:

type: string

minProperties: 1

not:

required: [ networkInstance, dnaiNwInstanceList ]

MnpfInfo:

description: Information of an MNPF Instance

type: object

properties:

msisdnRanges:

type: array

items:

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

minItems: 1

required:

- msisdnRanges

SliceExpiryInfo :

description: Slice validity

type: object

properties:

pLMNInfo:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfo'

expiryTime:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DateTimeRo'

PcscfInfo:

description: Information of a P-CSCF NF Instance

type: object

properties:

accessType:

type: array

items:

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

minItems: 1

dnnList:

type: array

items:

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

minItems: 1

gmFqdn:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Fqdn'

gmIpv4Addresses:

type: array

items:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Ipv4Addr'

minItems: 1

gmIpv6Addresses:

type: array

items:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Ipv6Addr'

minItems: 1

mwFqdn:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Fqdn'

mwIpv4Addresses:

type: array

items:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Ipv4Addr'

minItems: 1

mwIpv6Addresses:

type: array

items:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Ipv6Addr'

minItems: 1

servedIpv4AddressRanges:

type: array

items:

$ref: '#/components/schemas/Ipv4AddressRange'

minItems: 1

servedIpv6PrefixRanges:

type: array

items:

$ref: '#/components/schemas/Ipv6PrefixRange'

minItems: 1

NfInfo:

description: Information of a generic NF Instance

type: object

properties:

nfType:

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

SAP:

type: object

properties:

host:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/HostAddr'

port:

type: integer

NFServiceType:

type: string

enum:

- NAMF\_COMMUNICATION

- NAMF\_EVENTEXPOSURE

- NAMF\_MT

- NAMF\_LOCATION

- NSMF\_PDUSESSION

- NSMF\_EVENTEXPOSURE

- OTHERS

readOnly: true

Operation:

type: object

properties:

name:

type: string

readOnly: true

allowedNFTypes:

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

operationSemantics:

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

NFType:

description: NF name defined in TS 23.501 or TS 29.510'.This datatype is used for writable attribute

type: string

enum:

- NRF

- UDM

- AMF

- SMF

- AUSF

- NEF

- PCF

- SMSF

- NSSF

- UDR

- LMF

- GMLC

- 5G\_EIR

- SEPP

- UPF

- N3IWF

- AF

- UDSF

- DN

- BSF

- CHF

- NWDAF

- PCSCF

- CBCF

- HSS

- UCMF

- SOR\_AF

- SPAF

- MME

- SCSAS

- SCEF

- SCP

- NSSAAF

- ICSCF

- SCSCF

- DRA

- IMS\_AS

- AANF

- 5G\_DDNMF

- NSACF

- MFAF

- EASDF

- DCCF

- MB\_SMF

- TSCTSF

- ADRF

- GBA\_BSF

- CEF

- MB\_UPF

- NSWOF

- PKMF

- MNPF

- SMS\_GMSC

- SMS\_IWMSC

- MBSF

- MBSTF

- PANF

- TNGF

- W\_AGF

- TWIF

- TSN\_AF

OperationSemantics:

type: string

readOnly: true

enum:

- REQUEST\_RESPONSE

- SUBSCRIBE\_NOTIFY

RegistrationState:

type: string

readOnly: true

enum:

- REGISTERED

- DEREGISTERED

#-------- Definition of types for name-containments ------

SubNetwork-ncO-5GcNrm:

type: object

properties:

ExternalAmfFunction:

$ref: '#/components/schemas/ExternalAmfFunction-Multiple'

ExternalNrfFunction:

$ref: '#/components/schemas/ExternalNrfFunction-Multiple'

ExternalNssfFunction:

$ref: '#/components/schemas/ExternalNssfFunction-Multiple'

AmfSet:

$ref: '#/components/schemas/AmfSet-Multiple'

AmfRegion:

$ref: '#/components/schemas/AmfRegion-Multiple'

Configurable5QISet:

$ref: '#/components/schemas/Configurable5QISet-Multiple'

Dynamic5QISet:

$ref: '#/components/schemas/Dynamic5QISet-Multiple'

EcmConnectionInfo:

$ref: '#/components/schemas/EcmConnectionInfo-Multiple'

ManagedElement-ncO-5GcNrm:

type: object

properties:

AmfFunction:

$ref: '#/components/schemas/AmfFunction-Multiple'

SmfFunction:

$ref: '#/components/schemas/SmfFunction-Multiple'

UpfFunction:

$ref: '#/components/schemas/UpfFunction-Multiple'

N3iwfFunction:

$ref: '#/components/schemas/N3iwfFunction-Multiple'

PcfFunction:

$ref: '#/components/schemas/PcfFunction-Multiple'

AusfFunction:

$ref: '#/components/schemas/AusfFunction-Multiple'

UdmFunction:

$ref: '#/components/schemas/UdmFunction-Multiple'

UdrFunction:

$ref: '#/components/schemas/UdrFunction-Multiple'

UdsfFunction:

$ref: '#/components/schemas/UdsfFunction-Multiple'

NrfFunction:

$ref: '#/components/schemas/NrfFunction-Multiple'

NssfFunction:

$ref: '#/components/schemas/NssfFunction-Multiple'

SmsfFunction:

$ref: '#/components/schemas/SmsfFunction-Multiple'

LmfFunction:

$ref: '#/components/schemas/LmfFunction-Multiple'

NgeirFunction:

$ref: '#/components/schemas/NgeirFunction-Multiple'

SeppFunction:

$ref: '#/components/schemas/SeppFunction-Multiple'

NwdafFunction:

$ref: '#/components/schemas/NwdafFunction-Multiple'

ScpFunction:

$ref: '#/components/schemas/ScpFunction-Multiple'

NefFunction:

$ref: '#/components/schemas/NefFunction-Multiple'

Configurable5QISet:

$ref: '#/components/schemas/Configurable5QISet-Multiple'

Dynamic5QISet:

$ref: '#/components/schemas/Dynamic5QISet-Multiple'

EcmConnectionInfo:

$ref: '#/components/schemas/EcmConnectionInfo-Multiple'

EASDFFunction:

$ref: '#/components/schemas/EASDFFunction-Multiple'

NSSAAFFunction:

$ref: '#/components/schemas/NssaafFunction-Multiple'

AFFunction:

$ref: '#/components/schemas/AfFunction-Multiple'

DCCFFunction:

$ref: '#/components/schemas/DccfFunction-Multiple'

ChfFunction:

$ref: '#/components/schemas/ChfFunction-Multiple'

MFAFFunction:

$ref: '#/components/schemas/MfafFunction-Multiple'

GMLCFunction:

$ref: '#/components/schemas/GmlcFunction-Multiple'

TSCTSFFunction:

$ref: '#/components/schemas/TsctsfFunction-Multiple'

AANFFunction:

$ref: '#/components/schemas/AanfFunction-Multiple'

BSFFunction:

$ref: '#/components/schemas/BsfFunction-Multiple'

MBSMFFunction:

$ref: '#/components/schemas/MbSmfFunction-Multiple'

MBUPFFunction:

$ref: '#/components/schemas/MbUpfFunction-Multiple'

MNPFFunction:

$ref: '#/components/schemas/MnpfFunction-Multiple'

#-------- Definition of concrete IOCs --------------------------------------------

AmfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

pLMNInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

amfIdentifier:

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

sBIFqdn:

type: string

interPlmnFQDN:

type: string

weightFactor:

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

cNSIIdList:

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

amfSetRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Dn'

managedNFProfile:

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

commModelList:

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

nTNPLMNInfoList:

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

amfInfo:

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

sliceExpiryInfo:

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

SatelliteBackhaulInfoList:

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

mappedCellIdInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/MappedCellIdInfoList'

mdtUserConsentReqList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/MdtUserConsentReqList'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N2:

$ref: '#/components/schemas/EP\_N2-Multiple'

EP\_N8:

$ref: '#/components/schemas/EP\_N8-Multiple'

EP\_N11:

$ref: '#/components/schemas/EP\_N11-Multiple'

EP\_N12:

$ref: '#/components/schemas/EP\_N12-Multiple'

EP\_N14:

$ref: '#/components/schemas/EP\_N14-Multiple'

EP\_N15:

$ref: '#/components/schemas/EP\_N15-Multiple'

EP\_N17:

$ref: '#/components/schemas/EP\_N17-Multiple'

EP\_N20:

$ref: '#/components/schemas/EP\_N20-Multiple'

EP\_N22:

$ref: '#/components/schemas/EP\_N22-Multiple'

EP\_N26:

$ref: '#/components/schemas/EP\_N26-Multiple'

EP\_NLS:

$ref: '#/components/schemas/EP\_NLS-Multiple'

EP\_NL2:

$ref: '#/components/schemas/EP\_NL2-Multiple'

EP\_N58:

$ref: '#/components/schemas/EP\_N58-Multiple'

EP\_N41:

$ref: '#/components/schemas/EP\_N41-Multiple'

EP\_N42:

$ref: '#/components/schemas/EP\_N42-Multiple'

EP\_N89:

$ref: '#/components/schemas/EP\_N89-Multiple'

EP\_N11mb:

$ref: '#/components/schemas/EP\_N11mb-Multiple'

AmfSet-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnIdList'

nRTACList:

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

amfSetId:

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

snssaiList:

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

aMFRegionRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Dn'

aMFSetMemberList:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnList'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

AmfRegion-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnIdList'

nRTACList:

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

amfRegionId:

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

snssaiList:

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

aMFSetListRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnList'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

SmfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

pLMNInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

nRTACList:

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

sBIFqdn:

type: string

cNSIIdList:

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

managedNFProfile:

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

commModelList:

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

SmfInfo:

type: array

items:

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

configurable5QISetRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Dn'

dynamic5QISetRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnRo'

dnaiSatelliteMappingList:

type: array

items:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N4:

$ref: '#/components/schemas/EP\_N4-Multiple'

EP\_N7:

$ref: '#/components/schemas/EP\_N7-Multiple'

EP\_N10:

$ref: '#/components/schemas/EP\_N10-Multiple'

EP\_N11:

$ref: '#/components/schemas/EP\_N11-Multiple'

EP\_N16:

$ref: '#/components/schemas/EP\_N16-Multiple'

EP\_S5C:

$ref: '#/components/schemas/EP\_S5C-Multiple'

EP\_N40:

$ref: '#/components/schemas/EP\_N40-Multiple'

EP\_N88:

$ref: '#/components/schemas/EP\_N88-Multiple'

EP\_N16mb:

$ref: '#/components/schemas/EP\_N16mb-Multiple'

FiveQiDscpMappingSet:

$ref: '#/components/schemas/FiveQiDscpMappingSet-Single'

GtpUPathQoSMonitoringControl:

$ref: '#/components/schemas/GtpUPathQoSMonitoringControl-Single'

QFQoSMonitoringControl:

$ref: '#/components/schemas/QFQoSMonitoringControl-Single'

PredefinedPccRuleSet:

$ref: '#/components/schemas/PredefinedPccRuleSet-Single'

UpfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

pLMNInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

nRTACList:

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

cNSIIdList:

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

energySavingControl:

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

energySavingState:

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

managedNFProfile:

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

supportedBMOList:

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

upfInfo:

type: array

items:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N3:

$ref: '#/components/schemas/EP\_N3-Multiple'

EP\_N4:

$ref: '#/components/schemas/EP\_N4-Multiple'

EP\_N6:

$ref: '#/components/schemas/EP\_N6-Multiple'

EP\_N9:

$ref: '#/components/schemas/EP\_N9-Multiple'

EP\_S5U:

$ref: '#/components/schemas/EP\_S5U-Multiple'

N3iwfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnIdList'

commModelList:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N3:

$ref: '#/components/schemas/EP\_N3-Multiple'

EP\_N4:

$ref: '#/components/schemas/EP\_N4-Multiple'

PcfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

pLMNInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

sBIFqdn:

type: string

managedNFProfile:

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

commModelList:

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

supportedBMOList:

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

PcfInfo:

type: array

items:

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

configurable5QISetRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Dn'

dynamic5QISetRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnRo'

predefinedPccRuleSetRefs:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnList'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N5:

$ref: '#/components/schemas/EP\_N5-Multiple'

EP\_N7:

$ref: '#/components/schemas/EP\_N7-Multiple'

EP\_N15:

$ref: '#/components/schemas/EP\_N15-Multiple'

EP\_N16:

$ref: '#/components/schemas/EP\_N16-Multiple'

EP\_N28:

$ref: '#/components/schemas/EP\_N28-Multiple'

EP\_Rx:

$ref: '#/components/schemas/EP\_Rx-Multiple'

EP\_N84:

$ref: '#/components/schemas/EP\_N84-Multiple'

AusfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

sBIFqdn:

type: string

managedNFProfile:

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

commModelList:

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

ausfInfo:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N12:

$ref: '#/components/schemas/EP\_N12-Multiple'

EP\_N13:

$ref: '#/components/schemas/EP\_N13-Multiple'

EP\_N61:

$ref: '#/components/schemas/EP\_N61-Multiple'

UdmFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

pLMNInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

sBIFqdn:

type: string

managedNFProfile:

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

commModelList:

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

eCSAddrConfigInfo:

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

udmInfo:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N8:

$ref: '#/components/schemas/EP\_N8-Multiple'

EP\_N10:

$ref: '#/components/schemas/EP\_N10-Multiple'

EP\_N13:

$ref: '#/components/schemas/EP\_N13-Multiple'

EP\_N59:

$ref: '#/components/schemas/EP\_N13-Multiple'

EP\_NL6:

$ref: '#/components/schemas/EP\_NL6-Multiple'

EP\_N87:

$ref: '#/components/schemas/EP\_N87-Multiple'

UdrFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

pLMNInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

sBIFqdn:

type: string

managedNFProfile:

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

udrInfo:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

UdsfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

sBIFqdn:

type: string

managedNFProfile:

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

udsfInfo:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

NrfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

sBIFqdn:

type: string

cNSIIdList:

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

nFProfileList:

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

nrfInfo:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N27:

$ref: '#/components/schemas/EP\_N27-Multiple'

EP\_N96:

$ref: '#/components/schemas/EP\_N96-Multiple'

EP\_SM14:

$ref: '#/components/schemas/EP\_SM14-Multiple'

NssfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

pLMNInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

sBIFqdn:

type: string

cNSIIdList:

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

managedNFProfile:

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

commModelList:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N22:

$ref: '#/components/schemas/EP\_N22-Multiple'

EP\_N31:

$ref: '#/components/schemas/EP\_N31-Multiple'

EP\_N34:

$ref: '#/components/schemas/EP\_N34-Multiple'

SmsfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnIdList'

sBIFqdn:

type: string

managedNFProfile:

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

commModelList:

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

smsfInfo:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N20:

$ref: '#/components/schemas/EP\_N20-Multiple'

EP\_N21:

$ref: '#/components/schemas/EP\_N21-Multiple'

EP\_MAP\_SMSC:

$ref: '#/components/schemas/EP\_MAP\_SMSC-Multiple'

LmfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnIdList'

managedNFProfile:

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

commModelList:

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

lmfInfo:

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

ephemerisInfos:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/EphemerisInfos'

trpInfoList:

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

mappedCellIdInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/MappedCellIdInfoList'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_NLS:

$ref: '#/components/schemas/EP\_NLS-Multiple'

NgeirFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnIdList'

sBIFqdn:

type: string

snssaiList:

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

managedNFProfile:

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

commModelList:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N17:

$ref: '#/components/schemas/EP\_N17-Multiple'

SeppFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnId:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/PlmnIdRo'

sEPPType:

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

sEPPId:

type: integer

readOnly: true

fqdn:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Fqdn'

seppInfo:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N32:

$ref: '#/components/schemas/EP\_N32-Multiple'

NwdafFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnIdList'

sBIFqdn:

type: string

snssaiList:

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

managedNFProfile:

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

commModelList:

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

networkSliceInfoList:

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

administrativeState:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/AdministrativeState'

nwdafInfo:

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

nwdafLogicalFuncSupported:

type: string

readOnly: true

enum:

- NWDAF\_WITH\_ANLF

- NWDAF\_WITH\_MTLF

- NWDAF\_WITH\_ANLF\_MTLF

- type: object

properties:

EP\_NL3:

$ref: '#/components/schemas/EP\_NL3-Multiple'

EP\_N34:

$ref: '#/components/schemas/EP\_N34-Multiple'

AnLFFunction:

$ref: '#/components/schemas/AnLFFunction-Single'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

ScpFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

supportedFuncList:

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

address:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/HostAddr'

scpInfo:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_SM13:

$ref: '#/components/schemas/EP\_SM13-Multiple'

NefFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

sBIFqdn:

type: string

snssaiList:

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

managedNFProfile:

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

capabilityList:

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

isCAPIFSup:

type: boolean

readOnly: true

nefInfo:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N33:

$ref: '#/components/schemas/EP\_N33-Multiple'

EP\_NL5:

$ref: '#/components/schemas/EP\_NL5-Multiple'

EP\_N85:

$ref: '#/components/schemas/EP\_N85-Multiple'

EP\_N62:

$ref: '#/components/schemas/EP\_N62-Multiple'

EP\_N63:

$ref: '#/components/schemas/EP\_N63-Multiple'

NsacfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

managedNFProfile:

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

nsacfInfoSnssai:

type: array

items:

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

nsacfInfo:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N60:

$ref: '#/components/schemas/EP\_N60-Multiple'

DDNMFFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnId:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/PlmnId'

sBIFqdn:

type: string

managedNFProfile:

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

commModelList:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_Npc4:

$ref: '#/components/schemas/EP\_Npc4-Multiple'

EP\_Npc6:

$ref: '#/components/schemas/EP\_Npc6-Multiple'

EP\_Npc7:

$ref: '#/components/schemas/EP\_Npc7-Multiple'

EP\_Npc8:

$ref: '#/components/schemas/EP\_Npc8-Multiple'

EASDFFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnId:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/PlmnId'

sBIFqdn:

type: string

managedNFProfile:

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

serverAddr:

type: string

easdfInfo:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N88:

$ref: '#/components/schemas/EP\_N88-Multiple'

EcmConnectionInfo-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- type: object

properties:

eASServiceArea:

$ref: 'TS28538\_EdgeNrm.yaml#/components/schemas/ServingLocation'

eESServiceArea:

$ref: 'TS28538\_EdgeNrm.yaml#/components/schemas/ServingLocation'

eDNServiceArea:

$ref: 'TS28538\_EdgeNrm.yaml#/components/schemas/ServingLocation'

eASIpAddress:

type: string

eESIpAddress:

type: string

eCSIpAddress:

type: string

ednIdentifier:

type: string

ecmConnectionType:

type: string

enum:

- USERPLANE

- CONTROLPLANE

- BOTH

5GCNfConnEcmInfoList:

$ref: '#/components/schemas/5GCNfConnEcmInfoList'

uPFConnectionInfo:

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

ExternalAmfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnIdList'

amfIdentifier:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

ExternalNrfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnIdList'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

ExternalNssfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnIdList'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

ExternalSeppFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnId:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/PlmnIdRo'

sEPPId:

type: integer

readOnly: true

fqdn:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/FqdnRo'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

EP\_N2-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N3-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

epTransportRefs:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnListRo'

EP\_N4-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N5-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N6-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N7-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N8-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N9-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N10-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N11-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N12-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N13-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N14-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N15-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N16-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N17-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N20-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N21-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N22-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N26-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N27-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N31-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N32-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

remotePlmnId:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/PlmnId'

remoteSeppAddress:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/HostAddr'

remoteSeppId:

type: integer

n32cParas:

type: string

n32fPolicy:

type: string

withIPX:

type: boolean

EP\_N33-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N34-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_S5C-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_S5U-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_Rx-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_MAP\_SMSC-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_NLS-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_NL2-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_NL3-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_NL5-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_NL6-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_NL9-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N60-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_Npc4-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_Npc6-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_Npc7-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_Npc8-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N88-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

FiveQiDscpMappingSet-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- type: object

properties:

FiveQiDscpMappingList:

type: array

items:

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

FiveQICharacteristics-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

fiveQIValue:

type: integer

resourceType:

type: string

enum:

- GBR

- NON\_GBR

- DELAY\_CRITICAL\_GBR

priorityLevel:

type: integer

packetDelayBudget:

type: integer

packetErrorRate:

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

averagingWindow:

type: integer

maximumDataBurstVolume:

type: integer

FiveQICharacteristics-Multiple:

type: array

items:

$ref: '#/components/schemas/FiveQICharacteristics-Single'

Configurable5QISet-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- type: object

properties:

configurable5QIs:

$ref: '#/components/schemas/FiveQICharacteristics-Multiple'

Dynamic5QISet-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- type: object

properties:

dynamic5QIs:

$ref: '#/components/schemas/FiveQICharacteristics-Multiple'

GtpUPathQoSMonitoringControl-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- type: object

properties:

gtpUPathQoSMonitoringState:

type: string

enum:

- ENABLED

- DISABLED

gtpUPathMonitoredSNSSAIs:

type: array

items:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/Snssai'

monitoredDSCPs:

type: array

items:

type: integer

minimum: 0

maximum: 255

isEventTriggeredGtpUPathMonitoringSupported:

type: boolean

readOnly: true

isPeriodicGtpUMonitoringSupported:

type: boolean

readOnly: true

isImmediateGtpUMonitoringSupported:

type: boolean

readOnly: true

gtpUPathDelayThresholds:

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

gtpUPathMinimumWaitTime:

type: integer

gtpUPathMeasurementPeriod:

type: integer

QFQoSMonitoringControl-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- type: object

properties:

qFQoSMonitoringState:

type: string

enum:

- ENABLED

- DISABLED

qFMonitoredSNSSAIs:

type: array

items:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/Snssai'

qFMonitored5QIs:

type: array

items:

type: integer

minimum: 0

maximum: 255

isEventTriggeredQFMonitoringSupported:

type: boolean

readOnly: true

isPeriodicQFMonitoringSupported:

type: boolean

readOnly: true

isSessionReleasedQFMonitoringSupported:

type: boolean

readOnly: true

qFPacketDelayThresholds:

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

qFMinimumWaitTime:

type: integer

qFMeasurementPeriod:

type: integer

PredefinedPccRuleSet-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- type: object

properties:

predefinedPccRules:

type: array

items:

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

AfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnIdList'

managedNFProfile:

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

commModelList:

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

trustAfInfo:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N5:

$ref: '#/components/schemas/EP\_N5-Multiple'

EP\_N86:

$ref: '#/components/schemas/EP\_N86-Multiple'

EP\_N63:

$ref: '#/components/schemas/EP\_N63-Multiple'

EP\_N62:

$ref: '#/components/schemas/EP\_N62-Multiple'

NssaafFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

pLMNInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

sBIFqdn:

type: string

cNSIIdList:

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

nFProfileList:

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

commModelList:

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

nssafInfo:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

EP\_N58-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N59-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

DccfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

pLMNInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

sBIFqdn:

type: string

managedNFProfile:

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

commModelList:

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

dccfInfo:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

MfafFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

pLMNInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

sBIFqdn:

type: string

managedNFProfile:

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

commModelList:

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

mfafInfo:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

ChfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

pLMNInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

sBIFqdn:

type: string

managedNFProfile:

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

commModelList:

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

chfInfo:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N28:

$ref: '#/components/schemas/EP\_N28-Multiple'

EP\_N40:

$ref: '#/components/schemas/EP\_N40-Multiple'

EP\_N41:

$ref: '#/components/schemas/EP\_N41-Multiple'

EP\_N42:

$ref: '#/components/schemas/EP\_N42-Multiple'

EP\_N28-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N40-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N41-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N42-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

AanfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

pLMNInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

sBIFqdn:

type: string

managedNFProfile:

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

commModelList:

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

aanfInfo:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- type: object

properties:

EP\_N61:

$ref: '#/components/schemas/EP\_N61-Multiple'

EP\_N62:

$ref: '#/components/schemas/EP\_N62-Multiple'

EP\_N63:

$ref: '#/components/schemas/EP\_N63-Multiple'

EP\_N61-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N62-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N63-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

GmlcFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

pLMNInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

sBIFqdn:

type: string

managedNFProfile:

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

commModelList:

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

gmlcInfo:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_NL2:

$ref: '#/components/schemas/EP\_NL2-Multiple'

EP\_NL3:

$ref: '#/components/schemas/EP\_NL3-Multiple'

EP\_NL5:

$ref: '#/components/schemas/EP\_NL5-Multiple'

EP\_NL6:

$ref: '#/components/schemas/EP\_NL6-Multiple'

EP\_NL9:

$ref: '#/components/schemas/EP\_NL9-Multiple'

TsctsfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

pLMNInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

sBIFqdn:

type: string

managedNFProfile:

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

commModelList:

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

tsctsfInfo:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N84:

$ref: '#/components/schemas/EP\_N84-Multiple'

EP\_N85:

$ref: '#/components/schemas/EP\_N85-Multiple'

EP\_N86:

$ref: '#/components/schemas/EP\_N86-Multiple'

EP\_N87:

$ref: '#/components/schemas/EP\_N87-Multiple'

EP\_N89:

$ref: '#/components/schemas/EP\_N89-Multiple'

EP\_N96:

$ref: '#/components/schemas/EP\_N96-Multiple'

EP\_N84-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N85-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N86-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N87-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N89-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N96-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

BsfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

pLMNInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

sBIFqdn:

type: string

cNSIIdList:

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

managedNFProfile:

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

commModelList:

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

bsfInfo:

type: array

items:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

MbSmfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnIdList'

managedNFProfile:

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

commModelList:

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

mbSmfInfo:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N11mb:

$ref: '#/components/schemas/EP\_N11mb-Multiple'

EP\_N16mb:

$ref: '#/components/schemas/EP\_N16mb-Multiple'

EP\_Nmb1:

$ref: '#/components/schemas/EP\_Nmb1-Multiple'

EP\_N4mb:

$ref: '#/components/schemas/EP\_N4mb-Multiple'

EP\_N11mb-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N16mb-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_Nmb1-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

MbUpfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnIdList'

managedNFProfile:

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

commModelList:

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

mbUpfInfo:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N3mb:

$ref: '#/components/schemas/EP\_N3mb-Multiple'

EP\_N4mb:

$ref: '#/components/schemas/EP\_N4mb-Multiple'

EP\_N19mb:

$ref: '#/components/schemas/EP\_N19mb-Multiple'

EP\_Nmb9:

$ref: '#/components/schemas/EP\_Nmb9-Multiple'

MnpfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

pLMNInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

managedNFProfile:

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

commModelList:

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

mnpfInfo:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_SM12:

$ref: '#/components/schemas/EP\_SM12-Multiple'

EP\_SM13:

$ref: '#/components/schemas/EP\_SM13-Multiple'

EP\_SM14:

$ref: '#/components/schemas/EP\_SM14-Multiple'

EP\_N3mb-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N4mb-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N19mb-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_Nmb9-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

AnLFFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- type: object

properties:

activationStatus:

type: string

enum:

- ACTIVATED

- DEACTIVATED

readOnly: true

EP\_SM12-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_SM13-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_SM14-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

#-------- Definition of abstract IOCs --------------------------------------------

ManagedFunction5GC-nc0:

type: object

properties:

ManagedNFService:

$ref: '#/components/schemas/ManagedNFService-Multiple'

#-------- Definition of abstract IOCs --------------------------------------------

#-------- Definition of 5GC common IOCs --------------------------------------------

ManagedNFService-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

type: object

properties:

userLabel:

type: string

nFServiceType:

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

sAP:

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

operations:

type: array

items:

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

administrativeState:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/AdministrativeState'

operationalState:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/OperationalState'

usageState:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/UsageState'

registrationState:

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

#-------- Definition of 5GC common IOCs --------------------------------------------

#-------- Definition of JSON arrays for name-contained IOCs ----------------------

AmfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/AmfFunction-Single'

SmfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/SmfFunction-Single'

UpfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/UpfFunction-Single'

N3iwfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/N3iwfFunction-Single'

PcfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/PcfFunction-Single'

AusfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/AusfFunction-Single'

UdmFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/UdmFunction-Single'

UdrFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/UdrFunction-Single'

UdsfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/UdsfFunction-Single'

NrfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/NrfFunction-Single'

NssfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/NssfFunction-Single'

SmsfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/SmsfFunction-Single'

LmfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/LmfFunction-Single'

NgeirFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/NgeirFunction-Single'

SeppFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/SeppFunction-Single'

NwdafFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/NwdafFunction-Single'

ScpFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/ScpFunction-Single'

NefFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/NefFunction-Single'

NsacfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/NsacfFunction-Single'

ExternalAmfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/ExternalAmfFunction-Single'

ExternalNrfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/ExternalNrfFunction-Single'

ExternalNssfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/ExternalNssfFunction-Single'

ExternalSeppFunction-Nultiple:

type: array

items:

$ref: '#/components/schemas/ExternalSeppFunction-Single'

AmfSet-Multiple:

type: array

items:

$ref: '#/components/schemas/AmfSet-Single'

AmfRegion-Multiple:

type: array

items:

$ref: '#/components/schemas/AmfRegion-Single'

EASDFFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/EASDFFunction-Single'

EP\_N2-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N2-Single'

EP\_N3-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N3-Single'

EP\_N4-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N4-Single'

EP\_N5-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N5-Single'

EP\_N6-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N6-Single'

EP\_N7-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N7-Single'

EP\_N8-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N8-Single'

EP\_N9-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N9-Single'

EP\_N10-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N10-Single'

EP\_N11-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N11-Single'

EP\_N12-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N12-Single'

EP\_N13-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N13-Single'

EP\_N14-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N14-Single'

EP\_N15-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N15-Single'

EP\_N16-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N16-Single'

EP\_N17-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N17-Single'

EP\_N20-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N20-Single'

EP\_N21-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N21-Single'

EP\_N22-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N22-Single'

EP\_N26-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N26-Single'

EP\_N27-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N27-Single'

EP\_N28-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N28-Single'

EP\_N31-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N31-Single'

EP\_N32-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N32-Single'

EP\_N33-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N33-Single'

EP\_N34-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N34-Single'

EP\_N40-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N40-Single'

EP\_N41-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N41-Single'

EP\_N42-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N42-Single'

EP\_S5C-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_S5C-Single'

EP\_S5U-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_S5U-Single'

EP\_Rx-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_Rx-Single'

EP\_MAP\_SMSC-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_MAP\_SMSC-Single'

EP\_NLS-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_NLS-Single'

EP\_NL2-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_NL2-Single'

EP\_NL3-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_NL3-Single'

EP\_NL5-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_NL5-Single'

EP\_NL6-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_NL6-Single'

EP\_NL9-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_NL9-Single'

EP\_N60-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N60-Single'

EP\_N61-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N61-Single'

EP\_N62-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N62-Single'

EP\_N63-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N63-Single'

EP\_Npc4-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_Npc4-Single'

EP\_Npc6-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_Npc6-Single'

EP\_Npc7-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_Npc7-Single'

EP\_Npc8-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_Npc8-Single'

EP\_N84-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N84-Single'

EP\_N85-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N85-Single'

EP\_N86-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N86-Single'

EP\_N87-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N87-Single'

EP\_N88-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N88-Single'

EP\_N89-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N89-Single'

EP\_N96-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N96-Single'

EP\_N11mb-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N11mb-Single'

EP\_N16mb-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N16mb-Single'

EP\_Nmb1-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_Nmb1-Single'

EP\_N3mb-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N3mb-Single'

EP\_N4mb-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N4mb-Single'

EP\_N19mb-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N19mb-Single'

EP\_Nmb9-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_Nmb9-Single'

EP\_SM12-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_SM12-Single'

EP\_SM13-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_SM13-Single'

EP\_SM14-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_SM14-Single'

Configurable5QISet-Multiple:

type: array

items:

$ref: '#/components/schemas/Configurable5QISet-Single'

Dynamic5QISet-Multiple:

type: array

items:

$ref: '#/components/schemas/Dynamic5QISet-Single'

EcmConnectionInfo-Multiple:

type: array

items:

$ref: '#/components/schemas/EcmConnectionInfo-Single'

NssaafFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/NssaafFunction-Single'

EP\_N58-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N58-Single'

EP\_N59-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N59-Single'

AfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/AfFunction-Single'

DccfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/DccfFunction-Single'

ChfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/ChfFunction-Single'

MfafFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/MfafFunction-Single'

GmlcFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/GmlcFunction-Single'

TsctsfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/TsctsfFunction-Single'

AanfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/AanfFunction-Single'

BsfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/BsfFunction-Single'

MbSmfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/MbSmfFunction-Single'

MbUpfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/MbUpfFunction-Single'

MnpfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/MnpfFunction-Single'

ManagedNFService-Multiple:

type: array

items:

$ref: '#/components/schemas/ManagedNFService-Single'

#------------ Definitions in TS 28.541 for TS 28.532 -----------------------------

resources-5gcNrm:

oneOf:

- $ref: '#/components/schemas/AmfFunction-Single'

- $ref: '#/components/schemas/SmfFunction-Single'

- $ref: '#/components/schemas/UpfFunction-Single'

- $ref: '#/components/schemas/N3iwfFunction-Single'

- $ref: '#/components/schemas/PcfFunction-Single'

- $ref: '#/components/schemas/AusfFunction-Single'

- $ref: '#/components/schemas/UdmFunction-Single'

- $ref: '#/components/schemas/UdrFunction-Single'

- $ref: '#/components/schemas/UdsfFunction-Single'

- $ref: '#/components/schemas/NrfFunction-Single'

- $ref: '#/components/schemas/NssfFunction-Single'

- $ref: '#/components/schemas/SmsfFunction-Single'

- $ref: '#/components/schemas/LmfFunction-Single'

- $ref: '#/components/schemas/NgeirFunction-Single'

- $ref: '#/components/schemas/SeppFunction-Single'

- $ref: '#/components/schemas/NwdafFunction-Single'

- $ref: '#/components/schemas/ScpFunction-Single'

- $ref: '#/components/schemas/NefFunction-Single'

- $ref: '#/components/schemas/NsacfFunction-Single'

- $ref: '#/components/schemas/DDNMFFunction-Single'

- $ref: '#/components/schemas/ManagedNFService-Single'

- $ref: '#/components/schemas/ExternalAmfFunction-Single'

- $ref: '#/components/schemas/ExternalNrfFunction-Single'

- $ref: '#/components/schemas/ExternalNssfFunction-Single'

- $ref: '#/components/schemas/ExternalSeppFunction-Single'

- $ref: '#/components/schemas/AmfSet-Single'

- $ref: '#/components/schemas/AmfRegion-Single'

- $ref: '#/components/schemas/QFQoSMonitoringControl-Single'

- $ref: '#/components/schemas/GtpUPathQoSMonitoringControl-Single'

- $ref: '#/components/schemas/EP\_N2-Single'

- $ref: '#/components/schemas/EP\_N3-Single'

- $ref: '#/components/schemas/EP\_N4-Single'

- $ref: '#/components/schemas/EP\_N5-Single'

- $ref: '#/components/schemas/EP\_N6-Single'

- $ref: '#/components/schemas/EP\_N7-Single'

- $ref: '#/components/schemas/EP\_N8-Single'

- $ref: '#/components/schemas/EP\_N9-Single'

- $ref: '#/components/schemas/EP\_N10-Single'

- $ref: '#/components/schemas/EP\_N11-Single'

- $ref: '#/components/schemas/EP\_N12-Single'

- $ref: '#/components/schemas/EP\_N13-Single'

- $ref: '#/components/schemas/EP\_N14-Single'

- $ref: '#/components/schemas/EP\_N15-Single'

- $ref: '#/components/schemas/EP\_N16-Single'

- $ref: '#/components/schemas/EP\_N17-Single'

- $ref: '#/components/schemas/EP\_N20-Single'

- $ref: '#/components/schemas/EP\_N21-Single'

- $ref: '#/components/schemas/EP\_N22-Single'

- $ref: '#/components/schemas/EP\_N26-Single'

- $ref: '#/components/schemas/EP\_N27-Single'

- $ref: '#/components/schemas/EP\_N28-Single'

- $ref: '#/components/schemas/EP\_N31-Single'

- $ref: '#/components/schemas/EP\_N32-Single'

- $ref: '#/components/schemas/EP\_N33-Single'

- $ref: '#/components/schemas/EP\_N34-Single'

- $ref: '#/components/schemas/EP\_N40-Single'

- $ref: '#/components/schemas/EP\_N41-Single'

- $ref: '#/components/schemas/EP\_N42-Single'

- $ref: '#/components/schemas/EP\_N58-Single'

- $ref: '#/components/schemas/EP\_N59-Single'

- $ref: '#/components/schemas/EP\_N60-Single'

- $ref: '#/components/schemas/EP\_N61-Single'

- $ref: '#/components/schemas/EP\_N62-Single'

- $ref: '#/components/schemas/EP\_N63-Single'

- $ref: '#/components/schemas/EP\_N84-Single'

- $ref: '#/components/schemas/EP\_N85-Single'

- $ref: '#/components/schemas/EP\_N86-Single'

- $ref: '#/components/schemas/EP\_N87-Single'

- $ref: '#/components/schemas/EP\_N88-Single'

- $ref: '#/components/schemas/EP\_N89-Single'

- $ref: '#/components/schemas/EP\_N96-Single'

- $ref: '#/components/schemas/EP\_Npc4-Single'

- $ref: '#/components/schemas/EP\_Npc6-Single'

- $ref: '#/components/schemas/EP\_Npc7-Single'

- $ref: '#/components/schemas/EP\_Npc8-Single'

- $ref: '#/components/schemas/EP\_N3mb-Single'

- $ref: '#/components/schemas/EP\_N4mb-Single'

- $ref: '#/components/schemas/EP\_N19mb-Single'

- $ref: '#/components/schemas/EP\_Nmb9-Single'

- $ref: '#/components/schemas/EP\_S5C-Single'

- $ref: '#/components/schemas/EP\_S5U-Single'

- $ref: '#/components/schemas/EP\_Rx-Single'

- $ref: '#/components/schemas/EP\_MAP\_SMSC-Single'

- $ref: '#/components/schemas/EP\_NLS-Single'

- $ref: '#/components/schemas/EP\_NL2-Single'

- $ref: '#/components/schemas/EP\_NL3-Single'

- $ref: '#/components/schemas/EP\_NL5-Single'

- $ref: '#/components/schemas/EP\_NL6-Single'

- $ref: '#/components/schemas/EP\_NL9-Single'

- $ref: '#/components/schemas/EP\_N11mb-Single'

- $ref: '#/components/schemas/EP\_N16mb-Single'

- $ref: '#/components/schemas/EP\_Nmb1-Single'

- $ref: '#/components/schemas/EP\_SM12-Single'

- $ref: '#/components/schemas/EP\_SM13-Single'

- $ref: '#/components/schemas/EP\_SM14-Single'

- $ref: '#/components/schemas/Configurable5QISet-Single'

- $ref: '#/components/schemas/FiveQiDscpMappingSet-Single'

- $ref: '#/components/schemas/PredefinedPccRuleSet-Single'

- $ref: '#/components/schemas/Dynamic5QISet-Single'

- $ref: '#/components/schemas/EASDFFunction-Single'

- $ref: '#/components/schemas/EcmConnectionInfo-Single'

- $ref: '#/components/schemas/NssaafFunction-Single'

- $ref: '#/components/schemas/AfFunction-Single'

- $ref: '#/components/schemas/DccfFunction-Single'

- $ref: '#/components/schemas/ChfFunction-Single'

- $ref: '#/components/schemas/MfafFunction-Single'

- $ref: '#/components/schemas/GmlcFunction-Single'

- $ref: '#/components/schemas/TsctsfFunction-Single'

- $ref: '#/components/schemas/AanfFunction-Single'

- $ref: '#/components/schemas/BsfFunction-Single'

- $ref: '#/components/schemas/MbSmfFunction-Single'

- $ref: '#/components/schemas/MbUpfFunction-Single'

- $ref: '#/components/schemas/MnpfFunction-Single'

<CODE ENDS>

\*\*\* END OF CHANGE 1 \*\*\*

\*\*\* START OF CHANGE 2 \*\*\*

\*\*\* OpenAPI/TS28541\_NrNrm.yaml \*\*\*

<CODE BEGINS>

openapi: 3.0.1

info:

title: NR NRM

version: 19.0.0

description: >-

OAS 3.0.1 specification of the NR NRM

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externalDocs:

description: 3GPP TS 28.541; 5G NRM, NR NRM

url: http://www.3gpp.org/ftp/Specs/archive/28\_series/28.541/

paths: {}

components:

schemas:

#-------- Definition of types-----------------------------------------------------

GnbId:

type: integer

minimum: 0

maximum: 4294967295

GnbIdLength:

type: integer

minimum: 22

maximum: 32

GnbName:

type: string

maxLength: 150

GnbDuId:

type: integer

minimum: 0

maximum: 68719476735

GnbCuUpId:

type: integer

minimum: 0

maximum: 68719476735

readOnly: true

Sst:

type: integer

minimum: 0

maximum: 255

Snssai:

type: object

properties:

sst:

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

sd:

type: string

pattern: '^[A-Fa-f0-9]{6}$'

PlmnIdList:

type: array

items:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/PlmnId'

PlmnInfo:

type: object

properties:

plmnId:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/PlmnId'

snssai:

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

sliceExpiryTime:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DateTime'

PlmnInfoList:

type: array

items:

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

NpnIdentityList:

type: array

items:

$ref: 'TS28623\_GenericNrm.yaml#/components/schemas/NpnId-Type'

GGnbId:

type: string

pattern: '^[0-9]{3}[0-9]{2,3}-(22|23|24|25|26|27|28|29|30|31|32)-[0-9]{1,10}'

GEnbId:

type: string

pattern: '^[0-9]{3}[0-9]{2,3}-(18|20|21|22)-[0-9]{1,7}'

GGnbIdList:

type: array

items:

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

GEnbIdList:

type: array

items:

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

NrPci:

type: integer

maximum: 503

NrTac:

$ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Tac'

NrTacList:

type: array

items:

$ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Tac'

TaiList:

type: array

items:

$ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Tai'

BackhaulAddress:

type: object

properties:

gnbId:

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

tai:

$ref: "TS28623\_GenericNrm.yaml#/components/schemas/Tai"

MappingSetIDBackhaulAddress:

type: object

properties:

setID:

type: integer

backhaulAddress:

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

LoadTimeThreshold:

type: object

properties:

loadThreshold:

type: integer

timeDuration:

type: integer

IntraRatEsActivationOriginalCellLoadParameters:

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

IntraRatEsActivationCandidateCellsLoadParameters:

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

IntraRatEsDeactivationCandidateCellsLoadParameters:

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

EsNotAllowedTimePeriod:

type: object

properties:

startTime:

type: string

description: >-

Time of day is in HH:MM or H:MM 24-hour format per UTC time zone.

Examples, 20:15:00, 20:15:00-08:00 (for 8 hours behind UTC).

endTime:

type: string

description: >-

Time of day is in HH:MM or H:MM 24-hour format per UTC time zone.

Examples, 20:15:00, 20:15:00-08:00 (for 8 hours behind UTC).

daysOfWeek:

type: string

enum:

- MONDAY

- TUESDAY

- WEDNESDAY

- THURSDAY

- FRIDAY

- SATURDAY

- SUNDAY

InterRatEsActivationOriginalCellParameters:

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

InterRatEsActivationCandidateCellParameters:

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

InterRatEsDeactivationCandidateCellParameters:

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

UeAccProbabilityDist:

type: array

items:

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

UeAccProbability:

type: object

properties:

targetProbability:

type: integer

minimum: 0

maximum: 100

numberOfPreamblesSent:

type: integer

minimum: 0

maximum: 200

UeAccDelayProbabilityDist:

type: array

items:

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

UeAccDelayProbability:

type: object

properties:

targetProbability:

type: integer

minimum: 0

maximum: 100

accessDelay:

type: integer

minimum: 10

maximum: 560

NRPciList:

type: array

items:

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

minItems: 0

maxItems: 1007

CSonPciList:

type: array

items:

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

minItems: 1

maxItems: 100

MaximumDeviationHoTrigger:

type: integer

minimum: -20

maximum: 20

MaximumDeviationHoTriggerLow:

type: integer

minimum: -20

maximum: 20

MaximumDeviationHoTriggerHigh:

type: integer

minimum: -20

maximum: 20

MinimumTimeBetweenHoTriggerChange:

type: integer

minimum: 0

maximum: 604800

TstoreUEcntxt:

type: integer

minimum: 0

maximum: 1023

CellState:

type: string

enum:

- IDLE

- INACTIVE

- ACTIVE

readOnly: true

CyclicPrefix:

type: string

enum:

- '15'

- '30'

- '60'

- '120'

TxDirection:

type: string

enum:

- DL

- UL

- DL\_AND\_UL

BwpContext:

type: string

enum:

- DL

- UL

- SUL

IsInitialBwp:

type: string

enum:

- INITIAL

- OTHER

- SUL

IsESCoveredBy:

type: string

enum:

- NO

- PARTIAL

- FULL

RrmPolicyMember:

type: object

properties:

plmnId:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/PlmnId'

snssai:

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

RrmPolicyMemberList:

type: array

items:

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

AddressWithVlan:

type: object

properties:

ipv4Address:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Ipv4Addr'

ipv6Address:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Ipv6Addr'

vlanId:

type: integer

minimum: 0

maximum: 4096

LocalAddress:

type: object

properties:

addressWithVlan:

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

port:

type: integer

minimum: 0

maximum: 65535

RemoteAddress:

type: object

properties:

ipv4Address:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Ipv4Addr'

ipv6Address:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Ipv6Addr'

CellIndividualOffset:

type: object

properties:

rsrpOffsetSSB:

type: integer

rsrqOffsetSSB:

type: integer

sinrOffsetSSB:

type: integer

rsrpOffsetCSI-RS:

type: integer

rsrqOffsetCSI-RS:

type: integer

sinrOffsetCSI-RS:

type: integer

QOffsetRange:

type: integer

enum:

- -24

- -22

- -20

- -18

- -16

- -14

- -12

- -10

- -8

- -6

- -5

- -4

- -3

- -2

- -1

- 0

- 24

- 22

- 20

- 18

- 16

- 14

- 12

- 10

- 8

- 6

- 5

- 4

- 3

- 2

- 1

QOffsetRangeList:

type: object

properties:

rsrpOffsetSSB:

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

rsrqOffsetSSB:

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

sinrOffsetSSB:

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

rsrpOffsetCSI-RS:

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

rsrqOffsetCSI-RS:

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

sinrOffsetCSI-RS:

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

QOffsetFreq:

type: number

TReselectionNRSf:

type: integer

enum:

- 25

- 50

- 75

- 100

SsbPeriodicity:

type: integer

enum:

- 5

- 10

- 20

- 40

- 80

- 160

SsbDuration:

type: integer

enum:

- 1

- 2

- 3

- 4

- 5

SsbSubCarrierSpacing:

type: integer

enum:

- 15

- 30

- 120

- 240

CoverageShape:

type: integer

maximum: 65535

DigitalTilt:

type: integer

minimum: -900

maximum: 900

DigitalAzimuth:

type: integer

minimum: -1800

maximum: 1800

RSSetId:

type: integer

maximum: 4194303

RSSetType:

type: string

enum:

- RS1

- RS2

FrequencyDomainPara:

type: object

properties:

rimRSSubcarrierSpacing:

type: integer

rIMRSBandwidth:

type: integer

nrofGlobalRIMRSFrequencyCandidates:

type: integer

rimRSCommonCarrierReferencePoint:

type: integer

minimum: 0

maximum: 3279165

rimRSStartingFrequencyOffsetIdList:

type: array

items:

type: integer

SequenceDomainPara:

type: object

properties:

nrofRIMRSSequenceCandidatesofRS1:

type: integer

rimRSScrambleIdListofRS1:

type: array

items:

type: integer

nrofRIMRSSequenceCandidatesofRS2:

type: integer

rimRSScrambleIdListofRS2:

type: array

items:

type: integer

enableEnoughNotEnoughIndication:

type: string

enum:

- ENABLE

- DISABLE

rIMRSScrambleTimerMultiplier:

type: integer

rIMRSScrambleTimerOffset:

type: integer

TimeDomainPara:

type: object

properties:

dlULSwitchingPeriod1:

type: string

enum:

- MS0P5

- MS0P625

- MS1

- MS1P25

- MS2

- MS2P5

- MS3

- MS4

- MS5

- MS10

- MS20

symbolOffsetOfReferencePoint1:

type: integer

dlULSwitchingPeriod2:

type: string

enum:

- MS0P5

- MS0P625

- MS1

- MS1P25

- MS2

- MS2P5

- MS3

- MS4

- MS5

- MS10

- MS20

symbolOffsetOfReferencePoint2:

type: integer

totalnrofSetIdofRS1:

type: integer

totalnrofSetIdofRS2:

type: integer

nrofConsecutiveRIMRS1:

type: integer

nrofConsecutiveRIMRS2:

type: integer

consecutiveRIMRS1List:

type: array

items:

type: integer

consecutiveRIMRS2List:

type: array

items:

type: integer

enablenearfarIndicationRS1:

type: string

enum:

- ENABLE

- DISABLE

enablenearfarIndicationRS2:

type: string

enum:

- ENABLE

- DISABLE

RimRSReportInfo:

type: object

properties:

detectedSetID:

type: integer

propagationDelay:

type: integer

functionalityOfRIMRS:

type: string

enum:

- RS1

- RS2

- RS1\_FOR\_ENOUGH\_MITIGATION

- RS1\_FOR\_NOT\_ENOUGH\_MITIGATION

RimRSReportConf:

type: object

properties:

reportIndicator:

type: string

enum:

- ENABLE

- DISABLE

reportInterval:

type: integer

nrofRIMRSReportInfo:

type: integer

maxPropagationDelay:

type: integer

rimRSReportInfoList:

type: array

items:

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

TceMappingInfo:

type: object

properties:

TceIPAddress:

oneOf:

- $ref: 'TS28623\_ComDefs.yaml#/components/schemas/Ipv4Addr'

- $ref: 'TS28623\_ComDefs.yaml#/components/schemas/Ipv6Addr'

TceID:

type: integer

PlmnTarget:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/PlmnId'

TceMappingInfoList:

type: array

items:

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

ResourceType:

type: string

enum:

- PRB

- PRB\_UL

- PRB\_DL

- RRC\_CONNECTED\_USERS

- DRB

ParameterRange:

type: object

properties:

maxValue:

type: integer

minValue:

type: integer

NTNTAClist:

type: array

items:

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

Ephemeris:

type: object

oneOf:

- required: [ positionVelocity ]

- required: [ orbital ]

required:

- satelliteId

- epochTime

properties:

satelliteId:

type: string

pattern: '^[0-9]{5}$'

epochTime:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DateTime'

positionVelocity:

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

orbital:

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

EphemerisInfos:

type: array

items:

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

PositionVelocity:

type: object

properties:

positionX:

type: integer

default: 0

minimum: 0

maximum: 604800

positionY:

type: integer

default: 0

minimum: 0

maximum: 604800

positionZ:

type: integer

default: 0

minimum: 0

maximum: 604800

velocityVX:

type: integer

default: 0

minimum: -131072

maximum: 131071

velocityVY:

type: integer

default: 0

minimum: -131072

maximum: 131071

velocityVZ:

type: integer

default: 0

minimum: -131072

maximum: 131071

Orbital:

type: object

properties:

semiMajorAxis:

type: integer

default: 0

minimum: 0

maximum: 8589934591

eccentricity:

type: integer

default: 0

minimum: -524288

maximum: 524287

periapsis:

type: integer

default: 0

minimum: 0

maximum: 16777215

longitude:

type: integer

default: 0

minimum: 0

maximum: 2097151

inclination:

type: integer

default: 0

minimum: -524288

maximum: 524287

meanAnomaly:

type: integer

default: 0

minimum: 0

maximum: 16777215

MappedCellIdInfo:

type: object

properties:

ntnGeoArea:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/GeoArea'

mappedCellId:

$ref: 'TS28541\_5GcNrm.yaml#/components/schemas/Ncgi'

MappedCellIdInfoList:

type: array

items:

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

QceIdMappingInfo:

type: object

properties:

qoECollectionEntityAddress:

oneOf:

- $ref: 'TS28623\_ComDefs.yaml#/components/schemas/Ipv4Addr'

- $ref: 'TS28623\_ComDefs.yaml#/components/schemas/Ipv6Addr'

qoECollectionEntityIdentity:

type: string

pLMNTarget:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/PlmnId'

QceIdMappingInfoList:

type: array

items:

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

MdtUserConsentReqList:

type: array

items:

type: string

enum:

- M1

- M2

- M3

- M4

- M5

- M6

- M7

- M8

- M9

- MDT\_UE\_LOCATION

#-------- Definition of types for name-containments ------

SubNetwork-ncO-NrNrm:

type: object

properties:

NRFrequency:

$ref: '#/components/schemas/NRFrequency-Multiple'

ExternalGnbCuCpFunction:

$ref: '#/components/schemas/ExternalGnbCuCpFunction-Multiple'

ExternalGnbCuUpFunction:

$ref: '#/components/schemas/ExternalGnbCuUpFunction-Multiple'

ExternalGnbDuFunction:

$ref: '#/components/schemas/ExternalGnbDuFunction-Multiple'

ExternalENBFunction:

$ref: '#/components/schemas/ExternalENBFunction-Multiple'

EUtranFrequency:

$ref: '#/components/schemas/EUtranFrequency-Multiple'

DESManagementFunction:

$ref: '#/components/schemas/DESManagementFunction-Single'

DRACHOptimizationFunction:

$ref: '#/components/schemas/DRACHOptimizationFunction-Single'

DMROFunction:

$ref: '#/components/schemas/DMROFunction-Single'

DLBOFunction:

$ref: '#/components/schemas/DLBOFunction-Single'

DPCIConfigurationFunction:

$ref: '#/components/schemas/DPCIConfigurationFunction-Single'

CPCIConfigurationFunction:

$ref: '#/components/schemas/CPCIConfigurationFunction-Single'

CESManagementFunction:

$ref: '#/components/schemas/CESManagementFunction-Single'

Configurable5QISet:

$ref: 'TS28541\_5GcNrm.yaml#/components/schemas/Configurable5QISet-Multiple'

RimRSGlobal:

$ref: '#/components/schemas/RimRSGlobal-Single'

Dynamic5QISet:

$ref: 'TS28541\_5GcNrm.yaml#/components/schemas/Dynamic5QISet-Multiple'

CCOFunction:

$ref: '#/components/schemas/CCOFunction-Single'

ManagedElement-ncO-NrNrm:

type: object

properties:

GnbDuFunction:

$ref: '#/components/schemas/GnbDuFunction-Multiple'

GnbCuUpFunction:

$ref: '#/components/schemas/GnbCuUpFunction-Multiple'

GnbCuCpFunction:

$ref: '#/components/schemas/GnbCuCpFunction-Multiple'

DESManagementFunction:

$ref: '#/components/schemas/DESManagementFunction-Single'

DRACHOptimizationFunction:

$ref: '#/components/schemas/DRACHOptimizationFunction-Single'

DMROFunction:

$ref: '#/components/schemas/DMROFunction-Single'

DLBOFunction:

$ref: '#/components/schemas/DLBOFunction-Single'

DPCIConfigurationFunction:

$ref: '#/components/schemas/DPCIConfigurationFunction-Single'

CPCIConfigurationFunction:

$ref: '#/components/schemas/CPCIConfigurationFunction-Single'

CESManagementFunction:

$ref: '#/components/schemas/CESManagementFunction-Single'

Configurable5QISet:

$ref: 'TS28541\_5GcNrm.yaml#/components/schemas/Configurable5QISet-Multiple'

Dynamic5QISet:

$ref: 'TS28541\_5GcNrm.yaml#/components/schemas/Dynamic5QISet-Multiple'

#-------- Definition of abstract IOCs --------------------------------------------

RrmPolicy\_-Attr:

type: object

properties:

resourceType:

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

rRMPolicyMemberList:

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

#-------- Definition of concrete IOCs --------------------------------------------

GnbDuFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

gnbDuId:

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

gnbDuName:

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

gnbId:

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

gnbIdLength:

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

rimRSReportConf:

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

configurable5QISetRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Dn'

dynamic5QISetRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnRo'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- type: object

properties:

RRMPolicyRatio:

$ref: '#/components/schemas/RRMPolicyRatio-Multiple'

NrCellDu:

$ref: '#/components/schemas/NrCellDu-Multiple'

Bwp-Multiple:

$ref: '#/components/schemas/Bwp-Multiple'

NrSectorCarrier-Multiple:

$ref: '#/components/schemas/NrSectorCarrier-Multiple'

EP\_F1C:

$ref: '#/components/schemas/EP\_F1C-Single'

EP\_F1U:

$ref: '#/components/schemas/EP\_F1U-Multiple'

DRACHOptimizationFunction:

$ref: '#/components/schemas/DRACHOptimizationFunction-Single'

OperatorDU:

$ref: '#/components/schemas/OperatorDu-Multiple'

BWPSet:

$ref: '#/components/schemas/BWPSet-Multiple'

Configurable5QISet:

$ref: 'TS28541\_5GcNrm.yaml#/components/schemas/Configurable5QISet-Multiple'

Dynamic5QISet:

$ref: 'TS28541\_5GcNrm.yaml#/components/schemas/Dynamic5QISet-Multiple'

OperatorDu-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

gnbId:

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

gnbIdLength:

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

- type: object

properties:

EP\_F1C:

$ref: '#/components/schemas/EP\_F1C-Single'

EP\_F1U:

$ref: '#/components/schemas/EP\_F1U-Multiple'

configurable5QISetRef:

description: This attribute is condition optional. The condition is NG-RAN Multi-Operator Core Network (NG-RAN MOCN) network sharing with operator specific 5QI is supported.

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Dn'

dynamic5QISetRef:

description: This attribute is condition optional. The condition is NG-RAN Multi-Operator Core Network (NG-RAN MOCN) network sharing with operator specific 5QI is supported.

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnRo'

NrOperatorCellDu:

$ref: '#/components/schemas/NrOperatorCellDu-Multiple'

GnbCuUpFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

gnbId:

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

gnbIdLength:

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

gnbCuUpId:

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

plmnInfoList:

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

configurable5QISetRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Dn'

dynamic5QISetRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnRo'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- type: object

properties:

RRMPolicyRatio:

$ref: '#/components/schemas/RRMPolicyRatio-Multiple'

EP\_E1:

$ref: '#/components/schemas/EP\_E1-Single'

EP\_XnU:

$ref: '#/components/schemas/EP\_XnU-Multiple'

EP\_F1U:

$ref: '#/components/schemas/EP\_F1U-Multiple'

EP\_NgU:

$ref: '#/components/schemas/EP\_NgU-Multiple'

EP\_X2U:

$ref: '#/components/schemas/EP\_X2U-Multiple'

EP\_S1U:

$ref: '#/components/schemas/EP\_S1U-Multiple'

Configurable5QISet:

$ref: 'TS28541\_5GcNrm.yaml#/components/schemas/Configurable5QISet-Multiple'

Dynamic5QISet:

$ref: 'TS28541\_5GcNrm.yaml#/components/schemas/Dynamic5QISet-Multiple'

GnbCuCpFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

gnbId:

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

gnbIdLength:

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

gnbCuName:

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

plmnId:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/PlmnId'

x2BlockList:

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

xnBlockList:

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

x2AllowList:

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

xnAllowList:

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

x2HOBlockList:

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

xnHOBlackList:

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

mappingSetIDBackhaulAddress:

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

tceMappingInfoList:

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

configurable5QISetRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Dn'

dynamic5QISetRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnRo'

ephemerisInfoSetRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnRo'

dCHOControl:

type: boolean

dDAPSHOControl:

type: boolean

mappedCellIdInfoList:

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

qceIdMappingInfoList:

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

mdtUserConsentReqList:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- type: object

properties:

RRMPolicyRatio:

$ref: '#/components/schemas/RRMPolicyRatio-Multiple'

NrCellCu:

$ref: '#/components/schemas/NrCellCu-Multiple'

EP\_XnC:

$ref: '#/components/schemas/EP\_XnC-Multiple'

EP\_E1:

$ref: '#/components/schemas/EP\_E1-Multiple'

EP\_F1C:

$ref: '#/components/schemas/EP\_F1C-Multiple'

EP\_NgC:

$ref: '#/components/schemas/EP\_NgC-Multiple'

EP\_X2C:

$ref: '#/components/schemas/EP\_X2C-Multiple'

DANRManagementFunction:

$ref: '#/components/schemas/DANRManagementFunction-Single'

DESManagementFunction:

$ref: '#/components/schemas/DESManagementFunction-Single'

DMROFunction:

$ref: '#/components/schemas/DMROFunction-Single'

DLBOFunction:

$ref: '#/components/schemas/DLBOFunction-Single'

Configurable5QISet:

$ref: 'TS28541\_5GcNrm.yaml#/components/schemas/Configurable5QISet-Multiple'

Dynamic5QISet:

$ref: 'TS28541\_5GcNrm.yaml#/components/schemas/Dynamic5QISet-Multiple'

NrCellCu-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

cellLocalId:

type: integer

plmnInfoList:

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

nRFrequencyRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnRo'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- type: object

properties:

RRMPolicyRatio:

$ref: '#/components/schemas/RRMPolicyRatio-Multiple'

NRCellRelation:

$ref: '#/components/schemas/NRCellRelation-Multiple'

EUtranCellRelation:

$ref: '#/components/schemas/EUtranCellRelation-Multiple'

NRFreqRelation:

$ref: '#/components/schemas/NRFreqRelation-Multiple'

EUtranFreqRelation:

$ref: '#/components/schemas/EUtranFreqRelation-Multiple'

DESManagementFunction:

$ref: '#/components/schemas/DESManagementFunction-Single'

DMROFunction:

$ref: '#/components/schemas/DMROFunction-Single'

DLBOFunction:

$ref: '#/components/schemas/DLBOFunction-Single'

CESManagementFunction:

$ref: '#/components/schemas/CESManagementFunction-Single'

DPCIConfigurationFunction:

$ref: '#/components/schemas/DPCIConfigurationFunction-Single'

NrCellDu-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

administrativeState:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/AdministrativeState'

operationalState:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/OperationalState'

cellLocalId:

type: integer

cellState:

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

plmnInfoList:

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

npnIdentityList:

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

nrPci:

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

nrTac:

$ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Tac'

arfcnDL:

type: integer

arfcnUL:

type: integer

arfcnSUL:

type: integer

bSChannelBwDL:

type: integer

bSChannelBwUL:

type: integer

bSChannelBwSUL:

type: integer

ssbFrequency:

type: integer

minimum: 0

maximum: 3279165

ssbPeriodicity:

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

ssbSubCarrierSpacing:

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

ssbOffset:

type: integer

minimum: 0

maximum: 159

ssbDuration:

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

nrSectorCarrierRef:

type: array

items:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Dn'

bwpRef:

description: "Condition is BWP sets are not supported"

type: array

items:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Dn'

bwpSetRef:

description: "Condition is BWP sets are supported"

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnList'

rimRSMonitoringStartTime:

type: string

rimRSMonitoringStopTime:

type: string

rimRSMonitoringWindowDuration:

type: integer

rimRSMonitoringWindowStartingOffset:

type: integer

rimRSMonitoringWindowPeriodicity:

type: integer

rimRSMonitoringOccasionInterval:

type: integer

rimRSMonitoringOccasionStartingOffset:

type: integer

nRFrequencyRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Dn'

victimSetRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Dn'

aggressorSetRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Dn'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- type: object

properties:

RRMPolicyRatio:

$ref: '#/components/schemas/RRMPolicyRatio-Multiple'

CPCIConfigurationFunction:

$ref: '#/components/schemas/CPCIConfigurationFunction-Single'

DRACHOptimizationFunction:

$ref: '#/components/schemas/DRACHOptimizationFunction-Single'

BWPSet-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

bWPlist:

type: array

items:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Dn'

maxItems: 12

NrOperatorCellDu-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

cellLocalId:

type: integer

administrativeState:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/AdministrativeState'

plmnInfoList:

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

nrTac:

$ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Tac'

NRFrequency-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

type: object

properties:

absoluteFrequencySSB:

type: integer

minimum: 0

maximum: 3279165

ssbSubCarrierSpacing:

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

multiFrequencyBandListNR:

type: integer

minimum: 1

maximum: 256

readOnly: true

EUtranFrequency-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

type: object

properties:

earfcnDL:

type: integer

minimum: 0

maximum: 262143

multiBandInfoListEutra:

type: integer

minimum: 1

maximum: 256

NrSectorCarrier-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

txDirection:

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

configuredMaxTxPower:

type: integer

arfcnDL:

type: integer

arfcnUL:

type: integer

bSChannelBwDL:

type: integer

bSChannelBwUL:

type: integer

sectorEquipmentFunctionRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Dn'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- type: object

properties:

CommonBeamformingFunction:

$ref: '#/components/schemas/CommonBeamformingFunction-Single'

Bwp-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

bwpContext:

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

isInitialBwp:

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

subCarrierSpacing:

type: integer

cyclicPrefix:

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

startRB:

type: integer

numberOfRBs:

type: integer

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

CommonBeamformingFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- type: object

properties:

coverageShape:

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

digitalAzimuth:

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

digitalTilt:

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

- type: object

properties:

Beam:

$ref: '#/components/schemas/Beam-Multiple'

Beam-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- type: object

properties:

beamIndex:

type: integer

readOnly: true

beamType:

type: string

readOnly: true

enum:

- SSB\_BEAM

beamAzimuth:

type: integer

readOnly: true

minimum: -1800

maximum: 1800

beamTilt:

type: integer

readOnly: true

minimum: -900

maximum: 900

beamHorizWidth:

type: integer

readOnly: true

minimum: 0

maximum: 3599

beamVertWidth:

type: integer

readOnly: true

minimum: 0

maximum: 1800

RRMPolicyRatio-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: '#/components/schemas/RrmPolicy\_-Attr'

- type: object

properties:

rRMPolicyMaxRatio:

type: integer

default: 100

minimum: 0

maximum: 100

rRMPolicyMinRatio:

type: integer

default: 0

minimum: 0

maximum: 100

rRMPolicyDedicatedRatio:

type: integer

default: 0

minimum: 0

maximum: 100

NRCellRelation-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

type: object

properties:

nRTCI:

type: integer

cellIndividualOffset:

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

adjacentNRCellRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Dn'

nRFreqRelationRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Dn'

isRemoveAllowed:

type: boolean

isHOAllowed:

type: boolean

isESCoveredBy:

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

isENDCAllowed:

type: boolean

isMLBAllowed:

type: boolean

EUtranCellRelation-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

adjacentEUtranCellRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Dn'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

NRFreqRelation-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

type: object

properties:

offsetMO:

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

blockListEntry:

type: array

items:

type: integer

minimum: 0

maximum: 1007

blockListEntryIdleMode:

type: integer

cellReselectionPriority:

type: integer

cellReselectionSubPriority:

type: number

minimum: 0.2

maximum: 0.8

multipleOf: 0.2

pMax:

type: integer

minimum: -30

maximum: 33

qOffsetFreq:

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

qQualMin:

type: number

qRxLevMin:

type: integer

minimum: -140

maximum: -44

threshXHighP:

type: integer

minimum: 0

maximum: 62

threshXHighQ:

type: integer

minimum: 0

maximum: 31

threshXLowP:

type: integer

minimum: 0

maximum: 62

threshXLowQ:

type: integer

minimum: 0

maximum: 31

tReselectionNr:

type: integer

minimum: 0

maximum: 7

tReselectionNRSfHigh:

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

tReselectionNRSfMedium:

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

nRFrequencyRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Dn'

EUtranFreqRelation-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

type: object

properties:

cellIndividualOffset:

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

blackListEntry:

type: array

items:

type: integer

minimum: 0

maximum: 1007

blackListEntryIdleMode:

type: integer

cellReselectionPriority:

type: integer

cellReselectionSubPriority:

type: number

minimum: 0.2

maximum: 0.8

multipleOf: 0.2

pMax:

type: integer

minimum: -30

maximum: 33

qOffsetFreq:

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

qQualMin:

type: number

qRxLevMin:

type: integer

minimum: -140

maximum: -44

threshXHighP:

type: integer

minimum: 0

maximum: 62

threshXHighQ:

type: integer

minimum: 0

maximum: 31

threshXLowP:

type: integer

minimum: 0

maximum: 62

threshXLowQ:

type: integer

minimum: 0

maximum: 31

tReselectionEutran:

type: integer

minimum: 0

maximum: 7

tReselectionNRSfHigh:

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

tReselectionNRSfMedium:

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

eUTranFrequencyRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Dn'

DANRManagementFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

type: object

properties:

intrasystemANRManagementSwitch:

type: boolean

intersystemANRManagementSwitch:

type: boolean

DESManagementFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

type: object

properties:

desSwitch:

type: boolean

intraRatEsActivationOriginalCellLoadParameters:

$ref: "#/components/schemas/IntraRatEsActivationOriginalCellLoadParameters"

intraRatEsActivationCandidateCellsLoadParameters:

$ref: "#/components/schemas/IntraRatEsActivationCandidateCellsLoadParameters"

intraRatEsDeactivationCandidateCellsLoadParameters:

$ref: "#/components/schemas/IntraRatEsDeactivationCandidateCellsLoadParameters"

esNotAllowedTimePeriod:

$ref: "#/components/schemas/EsNotAllowedTimePeriod"

interRatEsActivationOriginalCellParameters:

$ref: "#/components/schemas/InterRatEsActivationOriginalCellParameters"

interRatEsActivationCandidateCellParameters:

$ref: "#/components/schemas/InterRatEsActivationCandidateCellParameters"

interRatEsDeactivationCandidateCellParameters:

$ref: "#/components/schemas/InterRatEsDeactivationCandidateCellParameters"

isProbingCapable:

type: string

readOnly: true

enum:

- YES

- NO

energySavingState:

type: string

readOnly: true

enum:

- IS\_NOT\_ENERGY\_SAVING

- IS\_ENERGY\_SAVING

mLModelRefList:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnListRo'

aIMLInferenceFunctionRefList:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnListRo'

DRACHOptimizationFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

type: object

properties:

drachOptimizationControl:

type: boolean

ueAccProbabilityDist:

$ref: "#/components/schemas/UeAccProbabilityDist"

ueAccDelayProbabilityDist:

$ref: "#/components/schemas/UeAccDelayProbabilityDist"

DMROFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

type: object

properties:

dmroControl:

type: boolean

maximumDeviationHoTriggerLow:

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

maximumDeviationHoTriggerHigh:

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

minimumTimeBetweenHoTriggerChange:

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

tstoreUEcntxt:

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

mLModelRefList:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnListRo'

aIMLInferenceFunctionRefList:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnListRo'

DLBOFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

type: object

properties:

dlboControl:

type: boolean

maximumDeviationHoTrigger:

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

minimumTimeBetweenHoTriggerChange:

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

mLModelRefList:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnListRo'

aIMLInferenceFunctionRefList:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnListRo'

DPCIConfigurationFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

type: object

properties:

dPciConfigurationControl:

type: boolean

nRPciList:

$ref: "#/components/schemas/NRPciList"

CPCIConfigurationFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

type: object

properties:

cPciConfigurationControl:

type: boolean

cSonPciList:

$ref: "#/components/schemas/CSonPciList"

CESManagementFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

type: object

properties:

cesSwitch:

type: boolean

intraRatEsActivationOriginalCellLoadParameters:

$ref: "#/components/schemas/IntraRatEsActivationOriginalCellLoadParameters"

intraRatEsActivationCandidateCellsLoadParameters:

$ref: "#/components/schemas/IntraRatEsActivationCandidateCellsLoadParameters"

intraRatEsDeactivationCandidateCellsLoadParameters:

$ref: "#/components/schemas/IntraRatEsDeactivationCandidateCellsLoadParameters"

esNotAllowedTimePeriod:

$ref: "#/components/schemas/EsNotAllowedTimePeriod"

interRatEsActivationOriginalCellParameters:

$ref: "#/components/schemas/IntraRatEsActivationOriginalCellLoadParameters"

interRatEsActivationCandidateCellParameters:

$ref: "#/components/schemas/IntraRatEsActivationOriginalCellLoadParameters"

interRatEsDeactivationCandidateCellParameters:

$ref: "#/components/schemas/IntraRatEsActivationOriginalCellLoadParameters"

energySavingControl:

type: string

enum:

- TO\_BE\_ENERGY\_SAVING

- TO\_BE\_NOT\_ENERGY\_SAVING

energySavingState:

type: string

enum:

- IS\_NOT\_ENERGY\_SAVING

- IS\_ENERGY\_SAVING

RimRSGlobal-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

type: object

properties:

frequencyDomainPara:

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

sequenceDomainPara:

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

timeDomainPara:

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

RimRSSet:

$ref: '#/components/schemas/RimRSSet-Multiple'

RimRSSet-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

type: object

properties:

setId:

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

setType:

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

nRCellDURefs:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnListRo'

ExternalGnbDuFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

gnbId:

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

gnbIdLength:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- type: object

properties:

EP\_F1C:

$ref: '#/components/schemas/EP\_F1C-Multiple'

EP\_F1U:

$ref: '#/components/schemas/EP\_F1U-Multiple'

ExternalGnbCuUpFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

gnbId:

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

gnbIdLength:

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

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- type: object

properties:

EP\_E1:

$ref: '#/components/schemas/EP\_E1-Multiple'

EP\_F1U:

$ref: '#/components/schemas/EP\_F1U-Multiple'

EP\_XnU:

$ref: '#/components/schemas/EP\_XnU-Multiple'

ExternalGnbCuCpFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: >-

TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr

- type: object

properties:

gnbId:

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

gnbIdLength:

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

plmnId:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/PlmnId'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- type: object

properties:

ExternalNrCellCu:

$ref: '#/components/schemas/ExternalNrCellCu-Multiple'

EP\_XnC:

$ref: '#/components/schemas/EP\_XnC-Multiple'

EP\_E1:

$ref: '#/components/schemas/EP\_E1-Multiple'

EP\_F1C:

$ref: '#/components/schemas/EP\_F1C-Multiple'

ExternalNrCellCu-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

cellLocalId:

type: integer

nrPci:

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

plmnIdList:

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

nRFrequencyRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Dn'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

ExternalENBFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

eNBId:

type: integer

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- type: object

properties:

ExternalEUTranCell:

$ref: '#/components/schemas/ExternalEUTranCell-Multiple'

ExternalEUTranCell-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

EUtranFrequencyRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Dn'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

EP\_XnC-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

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

remoteAddress:

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

EP\_E1-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

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

remoteAddress:

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

EP\_F1C-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

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

remoteAddress:

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

EP\_NgC-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

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

remoteAddress:

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

EP\_X2C-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

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

remoteAddress:

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

EP\_XnU-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

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

remoteAddress:

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

EP\_F1U-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

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

remoteAddress:

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

epTransportRefs:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnListRo'

EP\_NgU-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

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

remoteAddress:

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

epTransportRefs:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnListRo'

EP\_X2U-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

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

remoteAddress:

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

EP\_S1U-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

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

remoteAddress:

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

CCOFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

type: object

properties:

cCOControl:

type: boolean

cCOWeakCoverageParameters:

$ref: '#/components/schemas/CCOWeakCoverageParameters-Single'

cCOPilotPollutionParameters:

$ref: '#/components/schemas/CCOPilotPollutionParameters-Single'

cCOOvershootCoverageParameters-Single:

$ref: '#/components/schemas/CCOOvershootCoverageParameters-Single'

CCOParameters-Attr:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

type: object

properties:

coverageShapeList:

type: integer

downlinkTransmitPowerRange:

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

antennaTiltRange:

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

antennaAzimuthRange:

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

digitalTiltRange:

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

digitalAzimuthRange:

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

CCOWeakCoverageParameters-Single:

allOf:

- $ref: '#/components/schemas/CCOParameters-Attr'

- type: object

CCOPilotPollutionParameters-Single:

allOf:

- $ref: '#/components/schemas/CCOParameters-Attr'

- type: object

CCOOvershootCoverageParameters-Single:

allOf:

- $ref: '#/components/schemas/CCOParameters-Attr'

- type: object

NTNFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

type: object

properties:

nTNpLMNInfoList:

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

nTNTAClist:

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

ephemerisInfoSet:

$ref: '#/components/schemas/EphemerisInfoSet-Multiple'

EphemerisInfoSet-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- type: object

properties:

ephemerisInfos:

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

#-------- Definition of JSON arrays for name-contained IOCs ----------------------

GnbDuFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/GnbDuFunction-Single'

OperatorDu-Multiple:

type: array

items:

$ref: '#/components/schemas/OperatorDu-Single'

GnbCuUpFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/GnbCuUpFunction-Single'

GnbCuCpFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/GnbCuCpFunction-Single'

BWPSet-Multiple:

type: array

items:

$ref: '#/components/schemas/BWPSet-Single'

NrCellDu-Multiple:

type: array

items:

$ref: '#/components/schemas/NrCellDu-Single'

NrOperatorCellDu-Multiple:

type: array

items:

$ref: '#/components/schemas/NrOperatorCellDu-Single'

NrCellCu-Multiple:

type: array

items:

$ref: '#/components/schemas/NrCellCu-Single'

NRFrequency-Multiple:

type: array

minItems: 1

items:

$ref: '#/components/schemas/NRFrequency-Single'

EUtranFrequency-Multiple:

type: array

minItems: 1

items:

$ref: '#/components/schemas/EUtranFrequency-Single'

NrSectorCarrier-Multiple:

type: array

items:

$ref: '#/components/schemas/NrSectorCarrier-Single'

Bwp-Multiple:

type: array

items:

$ref: '#/components/schemas/Bwp-Single'

Beam-Multiple:

type: array

items:

$ref: '#/components/schemas/Beam-Single'

RRMPolicyRatio-Multiple:

type: array

items:

$ref: '#/components/schemas/RRMPolicyRatio-Single'

NRCellRelation-Multiple:

type: array

items:

$ref: '#/components/schemas/NRCellRelation-Single'

EUtranCellRelation-Multiple:

type: array

items:

$ref: '#/components/schemas/EUtranCellRelation-Single'

NRFreqRelation-Multiple:

type: array

items:

$ref: '#/components/schemas/NRFreqRelation-Single'

EUtranFreqRelation-Multiple:

type: array

items:

$ref: '#/components/schemas/EUtranFreqRelation-Single'

RimRSSet-Multiple:

type: array

items:

$ref: '#/components/schemas/RimRSSet-Single'

ExternalGnbDuFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/ExternalGnbDuFunction-Single'

ExternalGnbCuUpFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/ExternalGnbCuUpFunction-Single'

ExternalGnbCuCpFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/ExternalGnbCuCpFunction-Single'

ExternalNrCellCu-Multiple:

type: array

items:

$ref: '#/components/schemas/ExternalNrCellCu-Single'

ExternalENBFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/ExternalENBFunction-Single'

ExternalEUTranCell-Multiple:

type: array

items:

$ref: '#/components/schemas/ExternalEUTranCell-Single'

EP\_E1-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_E1-Single'

EP\_XnC-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_XnC-Single'

EP\_F1C-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_F1C-Single'

EP\_NgC-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_NgC-Single'

EP\_X2C-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_X2C-Single'

EP\_XnU-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_XnU-Single'

EP\_F1U-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_F1U-Single'

EP\_NgU-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_NgU-Single'

EP\_X2U-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_X2U-Single'

EP\_S1U-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_S1U-Single'

EphemerisInfoSet-Multiple:

type: array

items:

$ref: '#/components/schemas/EphemerisInfoSet-Single'

#-------- Definitions in TS 28.541 for TS 28.532 ---------------------------------

resources-nrNrm:

oneOf:

- $ref: '#/components/schemas/GnbDuFunction-Single'

- $ref: '#/components/schemas/GnbCuUpFunction-Single'

- $ref: '#/components/schemas/GnbCuCpFunction-Single'

- $ref: '#/components/schemas/OperatorDu-Single'

- $ref: '#/components/schemas/NrCellCu-Single'

- $ref: '#/components/schemas/NrCellDu-Single'

- $ref: '#/components/schemas/NrOperatorCellDu-Single'

- $ref: '#/components/schemas/NRFrequency-Single'

- $ref: '#/components/schemas/EUtranFrequency-Single'

- $ref: '#/components/schemas/NrSectorCarrier-Single'

- $ref: '#/components/schemas/Bwp-Single'

- $ref: '#/components/schemas/BWPSet-Single'

- $ref: '#/components/schemas/CommonBeamformingFunction-Single'

- $ref: '#/components/schemas/Beam-Single'

- $ref: '#/components/schemas/RRMPolicyRatio-Single'

- $ref: '#/components/schemas/NRCellRelation-Single'

- $ref: '#/components/schemas/EUtranCellRelation-Single'

- $ref: '#/components/schemas/NRFreqRelation-Single'

- $ref: '#/components/schemas/EUtranFreqRelation-Single'

- $ref: '#/components/schemas/DANRManagementFunction-Single'

- $ref: '#/components/schemas/DESManagementFunction-Single'

- $ref: '#/components/schemas/DRACHOptimizationFunction-Single'

- $ref: '#/components/schemas/DMROFunction-Single'

- $ref: '#/components/schemas/DLBOFunction-Single'

- $ref: '#/components/schemas/DPCIConfigurationFunction-Single'

- $ref: '#/components/schemas/CPCIConfigurationFunction-Single'

- $ref: '#/components/schemas/CESManagementFunction-Single'

- $ref: '#/components/schemas/RimRSGlobal-Single'

- $ref: '#/components/schemas/RimRSSet-Single'

- $ref: '#/components/schemas/ExternalGnbDuFunction-Single'

- $ref: '#/components/schemas/ExternalGnbCuUpFunction-Single'

- $ref: '#/components/schemas/ExternalGnbCuCpFunction-Single'

- $ref: '#/components/schemas/ExternalNrCellCu-Single'

- $ref: '#/components/schemas/ExternalENBFunction-Single'

- $ref: '#/components/schemas/ExternalEUTranCell-Single'

- $ref: '#/components/schemas/EP\_XnC-Single'

- $ref: '#/components/schemas/EP\_E1-Single'

- $ref: '#/components/schemas/EP\_F1C-Single'

- $ref: '#/components/schemas/EP\_NgC-Single'

- $ref: '#/components/schemas/EP\_X2C-Single'

- $ref: '#/components/schemas/EP\_XnU-Single'

- $ref: '#/components/schemas/EP\_F1U-Single'

- $ref: '#/components/schemas/EP\_NgU-Single'

- $ref: '#/components/schemas/EP\_X2U-Single'

- $ref: '#/components/schemas/EP\_S1U-Single'

- $ref: '#/components/schemas/CCOFunction-Single'

- $ref: '#/components/schemas/CCOWeakCoverageParameters-Single'

- $ref: '#/components/schemas/CCOPilotPollutionParameters-Single'

- $ref: '#/components/schemas/CCOOvershootCoverageParameters-Single'

- $ref: '#/components/schemas/NTNFunction-Single'

- $ref: '#/components/schemas/EphemerisInfoSet-Single'

<CODE ENDS>

\*\*\* END OF CHANGE 2 \*\*\*

\*\*\* START OF CHANGE 3 \*\*\*

\*\*\* OpenAPI/TS28541\_SliceNrm.yaml \*\*\*

<CODE BEGINS>

openapi: 3.0.1

info:

title: Slice NRM

version: 18.8.0

description: >-

OAS 3.0.1 specification of the Slice NRM

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externalDocs:

description: 3GPP TS 28.541; 5G NRM, Slice NRM

url: http://www.3gpp.org/ftp/Specs/archive/28\_series/28.541/

paths: {}

components:

schemas:

#------------ Type definitions ---------------------------------------------------

Float:

type: number

format: float

MobilityLevel:

type: string

enum:

- STATIONARY

- NOMADIC

- RESTRICTED\_MOBILITY

- FULL\_MOBILITY

SynAvailability:

type: string

enum:

- NOT\_SUPPORTED

- BETWEEN\_BS\_AND\_UE

- BETWEEN\_BS\_AND\_UE\_AND\_UE\_AND\_UE

readOnly: true

PositioningAvailability:

type: array

items:

type: string

enum:

- CIDE\_CID

- OTDOA

- RF\_FINGERPRINTING

- AECID

- HYBRID\_POSITIONING

- NET\_RTK

readOnly: true

PredictionFrequency:

type: string

enum:

- PERSEC

- PERMIN

- PERHOUR

SharingLevel:

type: string

enum:

- SHARED

- NON\_SHARED

NetworkSliceSharingIndicator:

type: string

enum:

- SHARED

- NON\_SHARED

SliceSimultaneousUse:

type: integer

minimum: 0

maximum: 4

Category:

type: string

enum:

- CHARACTER

- SCALABILITY

readOnly: true

Tagging:

type: array

readOnly: true

items:

type: string

enum:

- PERFORMANCE

- FUNCTION

- OPERATION

readOnly: true

Exposure:

type: string

enum:

- API

- KPI

ServAttrCom:

type: object

properties:

category:

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

tagging:

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

exposure:

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

Support:

type: string

enum:

- NOT\_SUPPORTED

- SUPPORTED

readOnly: true

DelayTolerance:

type: object

properties:

servAttrCom:

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

support:

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

NonIPSupport:

type: object

properties:

servAttrCom:

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

support:

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

DeterministicComm:

type: object

properties:

servAttrCom:

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

availability:

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

periodicityList:

type: array

items:

type: integer

XLThpt:

type: object

properties:

servAttrCom:

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

guaThpt:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/FloatRo'

maxThpt:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/FloatRo'

MaxPktSize:

type: object

properties:

servAttrCom:

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

maxsize:

type: integer

MaxNumberofPDUSessions:

type: object

properties:

servAttrCom:

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

nOofPDUSessions:

type: integer

readOnly: true

KPIMonitoring:

type: object

properties:

servAttrCom:

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

kPIList:

type: array

items:

type: string

readOnly: true

NBIoT:

type: object

properties:

servAttrCom:

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

support:

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

RadioSpectrum:

type: object

properties:

servAttrCom:

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

nROperatingBands:

type: array

items:

type: string

Synchronicity:

type: object

properties:

servAttrCom:

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

availability:

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

accuracy:

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

Positioning:

type: object

properties:

servAttrCom:

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

availability:

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

predictionFrequency:

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

accuracy:

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

UserMgmtOpen:

type: object

properties:

servAttrCom:

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

support:

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

V2XCommModels:

type: object

properties:

servAttrCom:

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

v2XMode:

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

TermDensity:

type: object

properties:

servAttrCom:

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

density:

type: integer

readOnly: true

NsInfo:

type: object

properties:

nsInstanceId:

type: string

readOnly: true

nsName:

type: string

readOnly: true

description:

type: string

EmbbEEPerfReq:

type: object

properties:

kpiType:

type: string

enum:

- NUMOFBITS

- NUMOFBITS\_RANBASED

req:

type: number

UrllcEEPerfReq:

type: object

properties:

kpiType:

type: string

enum:

- INVOFLATENCY

- NUMOFBITS\_MULTIPLIED\_INVOFLATENCY

req:

type: number

MIoTEEPerfReq:

type: object

properties:

kpiType:

type: string

enum:

- MAXREGSUBS

- MEANACTIVEUES

req:

type: number

EEPerfReq:

oneOf:

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

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

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

EnergyEfficiency:

type: object

properties:

servAttrCom:

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

performance:

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

NSSAASupport:

type: object

properties:

servAttrCom:

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

support:

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

SecFunc:

type: object

properties:

secFunId:

type: string

readOnly: true

secFunType:

type: string

secRules:

type: array

items:

type: string

readOnly: true

N6Protection:

type: object

properties:

servAttrCom:

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

secFuncList:

type: array

items:

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

DataNetwork:

type: object

properties:

servAttrCom:

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

dnnList:

type: array

items:

type: string

DataAccess:

type: object

properties:

dataNetworkName:

type: string

dataAccessUsed:

type: string

enum:

- DIRECT\_INTERNET\_ACCESS

- TERM\_PVT\_NETWORK

- LOCAL\_TRAFFIC

TunnellingMechanism:

type: object

properties:

dataNetworkName:

type: string

tunellingMechanismUsed:

type: string

enum:

- L2TP\_TUNNEL

- GRE\_TUNNEL

- VPN\_TUNNEL

- LABEL\_BASED\_ROUTING

- 802.1Q\_VLAN

- SRV6

- OTHER

LboAllowed:

type: object

properties:

dataNetworkName:

type: string

localBreakoutAllowed:

type: string

enum:

- YES

- NO

DataNetworkAccess:

type: object

properties:

servAttrCom:

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

dataAccessList:

type: array

items:

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

tunnellingMechanismList:

type: array

items:

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

localBreakoutAllowedList:

type: array

items:

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

CNSliceSubnetProfile:

type: object

properties:

maxNumberofUEs:

type: integer

dLLatency:

type: number

uLLatency:

type: number

dLThptPerSliceSubnet:

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

dLThptPerUE:

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

uLThptPerSliceSubnet:

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

uLThptPerUE:

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

maxNumberOfPDUSessions:

type: integer

coverageAreaTAList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/TaiList'

resourceSharingLevel:

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

dLMaxPktSize:

type: integer

uLMaxPktSize:

type: integer

delayTolerance:

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

sliceSimultaneousUse:

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

dLReliability:

type: number

uLReliability:

type: number

energyEfficiency:

type: number

dLDeterministicComm:

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

uLDeterministicComm:

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

survivalTime:

type: number

nssaaSupport:

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

n6Protection:

$ref: '#/components/schemas/N6Protection'

nonIPSupport:

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

availability:

type: number

maxDLDataVolume:

type: number

maxULDataVolume:

type: number

supportedDataNetworks:

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

dataNetworkAccess:

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

dLPktDelayVariation:

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

uLPktDelayVariation:

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

sliceSubnetAvailability:

$ref: 'TS28623\_GenericNrm.yaml#/components/schemas/SchedulingTime'

RANSliceSubnetProfile:

type: object

properties:

coverageAreaTAList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/TaiList'

dLLatency:

type: number

uLLatency:

type: number

uEMobilityLevel:

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

resourceSharingLevel:

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

maxNumberofUEs:

type: integer

activityFactor:

type: integer

dLThptPerSliceSubnet:

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

dLThptPerUE:

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

uLThptPerSliceSubnet:

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

uLThptPerUE:

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

uESpeed:

type: integer

dLReliability:

type: number

uLReliability:

type: number

dLMaxPktSize:

type: integer

uLMaxPktSize:

type: integer

nROperatingBands:

type: array

items:

type: string

delayTolerance:

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

positioning:

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

sliceSimultaneousUse:

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

energyEfficiency:

type: number

termDensity:

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

survivalTime:

type: number

synchronicity:

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

dLDeterministicComm:

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

uLDeterministicComm:

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

nonIPSupport:

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

availability:

type: number

maxDLDataVolume:

type: number

maxULDataVolume:

type: number

kPIMonitoring:

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

dLPktDelayVariation:

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

uLPktDelayVariation:

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

TopSliceSubnetProfile:

type: object

properties:

dLLatency:

type: integer

uLLatency:

type: integer

maxNumberofUEs:

type: integer

dLThptPerSliceSubnet:

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

dLThptPerUE:

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

uLThptPerSliceSubnet:

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

uLThptPerUE:

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

dLMaxPktSize:

type: integer

uLMaxPktSize:

type: integer

maxNumberOfPDUSessions:

type: integer

nROperatingBands:

type: array

items:

type: string

sliceSimultaneousUse:

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

energyEfficiency:

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

synchronicity:

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

delayTolerance:

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

positioning:

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

termDensity:

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

activityFactor:

type: integer

coverageAreaTAList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/TaiList'

resourceSharingLevel:

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

uEMobilityLevel:

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

uESpeed:

type: integer

dLReliability:

type: number

uLReliability:

type: number

dLDeterministicComm:

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

uLDeterministicComm:

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

survivalTime:

type: number

nssaaSupport:

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

n6Protection:

$ref: '#/components/schemas/N6Protection'

nonIPSupport:

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

availability:

type: number

maxDLDataVolume:

type: number

maxULDataVolume:

type: number

kPIMonitoring:

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

supportedDataNetworks:

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

dataNetworkAccess:

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

dLPktDelayVariation:

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

uLPktDelayVariation:

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

sliceSubnetAvailability:

$ref: 'TS28623\_GenericNrm.yaml#/components/schemas/SchedulingTime'

ServiceProfile:

type: object

properties:

serviceProfileId:

type: string

readOnly: true

plmnInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

maxNumberofUEs:

type: number

dLLatency:

type: number

uLLatency:

type: number

uEMobilityLevel:

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

sst:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/Sst'

networkSliceSharingIndicator:

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

availability:

type: number

delayTolerance:

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

dLDeterministicComm:

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

uLDeterministicComm:

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

dLThptPerSlice:

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

dLThptPerUE:

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

uLThptPerSlice:

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

uLThptPerUE:

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

dLMaxPktSize:

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

uLMaxPktSize:

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

maxNumberofPDUSessions:

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

kPIMonitoring:

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

nBIoT:

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

radioSpectrum:

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

synchronicity:

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

positioning:

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

userMgmtOpen:

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

v2XCommModels:

$ref: '#/components/schemas/V2XCommModels'

coverageArea:

type: array

items:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/GeoArea'

termDensity:

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

activityFactor:

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

uESpeed:

type: integer

survivalTime:

type: number

dLReliability:

type: number

uLReliability:

type: number

maxDLDataVolume:

type: number

maxULDataVolume:

type: number

sliceSimultaneousUse:

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

energyEfficiency:

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

nssaaSupport:

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

n6Protection:

$ref: '#/components/schemas/N6Protection'

nonIPSupport:

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

supportedDataNetworks:

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

dataNetworkAccess:

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

dLPktDelayVariation:

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

uLPktDelayVariation:

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

sliceAvailability:

$ref: 'TS28623\_GenericNrm.yaml#/components/schemas/SchedulingTime'

SliceProfile:

type: object

properties:

sliceProfileId:

type: string

readOnly: true

plmnInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

cNSliceSubnetProfile:

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

rANSliceSubnetProfile:

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

topSliceSubnetProfile:

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

LogicalInterfaceInfo:

type: object

properties:

logicalInterfaceType:

type: string

enum:

- VLAN

- MPLS

- SEGMENT

logicalInterfaceId:

type: string

systemName:

type: string

portName:

type: string

routingProtocol:

type: string

enum:

- RIP

- IGMP

- OSPF

- EGP

- EIGRP

- BGP

- IS\_IS

- STATIC

ConnectionPointInfo:

type: object

properties:

connectionPointId:

type: string

connectionPointIdType:

type: string

enum:

- VLAN

- MPLS

- SEGMENT

- IPV4

- IPV6

- ATTACHMENT\_CIRCUIT

ServiceProfileList:

type: array

items:

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

SliceProfileList:

type: array

items:

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

FeasibilityResult:

description: >-

An attribute which specifies the feasibility check result for the feasibility check and reservation job.

type: string

enum:

- FEASIBLE

- INFEASIBLE

readOnly: true

InFeasibleReason:

description: >-

An attribute that specifies the additional reason information if the feasibility check result is infeasible.The detailed ENUM value is FFS.

type: string

readOnly: true

RecommendationRequest:

description: >-

An attribute represents MnS consumer's request for recommended network slice related requirements.

type: boolean

RecommendedRequirements:

description: >-

An attribute that specifies the recommended network slicing related requirements (i.e. ServiceProfile and SliceProfile information) which can be supported by the MnS producer..

type: string

readOnly: true

ResourceReservation:

description: >-

An attribute represents MnS consumer's requirements for resource reservation.

type: boolean

RequestedReservationExpiration:

description: >-

An attribute which specifies MnS consuner's requirements for the validity period of the resource reservation.

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/TimeWindow'

ResourceReservationStatus:

description: >-

An attribute which specifies the resource reservation result for the feasibility check job.

type: string

enum:

- RESERVED

- UNRESERVED

- USED

readOnly: true

ReservationExpiration:

description: >-

An attribute which specifies the actual validity period of the resource reservation..

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/TimeWindow'

ReservationFailureReason:

description: >-

An attribute that specifies the additional reason information if the reservation is failed.

type: string

readOnly: true

ResourceIsolationRule:

type: object

properties:

resourceType:

type: string

enum:

- MANAGED\_FUNCTION

- NETWORK\_SERVICE

isolationRule:

type: string

enum:

- DEDICATED

- SHARED

NetworkSlicingApplicability:

type: string

enum:

- NETWORKSLICE

- NETWORKSLICESUBNET

#-------- Definition of types for name-containments ------

SubNetwork-ncO-SliceNrm:

type: object

properties:

NetworkSlice:

$ref: '#/components/schemas/NetworkSlice-Multiple'

NetworkSliceSubnet:

$ref: '#/components/schemas/NetworkSliceSubnet-Multiple'

EP\_Transport:

$ref: '#/components/schemas/EP\_Transport-Multiple'

NetworkSliceSubnetProviderCapabilities:

$ref: '#/components/schemas/NetworkSliceSubnetProviderCapabilities-Multiple'

FeasibilityCheckAndReservationJob:

$ref: '#/components/schemas/FeasibilityCheckAndReservationJob-Multiple'

NetworkSliceController:

$ref: '#/components/schemas/NetworkSliceController-Multiple'

NetworkSliceSubnetController:

$ref: '#/components/schemas/NetworkSliceSubnetController-Multiple'

IsolationProfile:

$ref: '#/components/schemas/IsolationProfile-Multiple'

#------------ Definition of concrete IOCs ----------------------------------------

NetworkSlice-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- type: object

properties:

networkSliceSubnetRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnRo'

operationalState:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/OperationalState'

administrativeState:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/AdministrativeState'

serviceProfileList:

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

networkSliceControllerRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnListRo'

isolationProfileRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Dn'

NetworkSliceSubnet-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- type: object

properties:

managedFunctionRefList:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnListRo'

networkSliceSubnetRefList:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnListRo'

operationalState:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/OperationalState'

administrativeState:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/AdministrativeState'

nsInfo:

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

sliceProfileList:

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

epTransportRefList:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnList'

priorityLabel:

type: integer

networkSliceSubnetType:

type: string

enum:

- TOP\_SLICESUBNET

- RAN\_SLICESUBNET

- CN\_SLICESUBNET

networkSliceSubnetControllerRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnListRo'

isolationProfileRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Dn'

EP\_Transport-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

type: object

properties:

ipAddress:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/IpAddrRo'

localLogicalInterfaceInfo:

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

qosProfile:

type: string

epApplicationRefs:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnList'

connectionPointRefList:

type: array

items:

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

NetworkSliceSubnetProviderCapabilities-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

type: object

properties:

dLlatency:

type: integer

readOnly: true

uLlatency:

type: integer

readOnly: true

dLThptPerSliceSubnet:

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

uLThptPerSliceSubnet:

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

coverageAreaTAList:

$ref: 'TS28541\_5GcNrm.yaml#/components/schemas/TaiList'

FeasibilityCheckAndReservationJob-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

type: object

properties:

profile:

oneOf:

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

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

resourceReservation:

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

recommendationRequest:

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

requestedReservationExpiration:

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

feasibilityTimeWindow:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/TimeWindow'

processMonitor:

$ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ProcessMonitor'

feasibilityResult:

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

inFeasibleReason:

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

resourceReservationStatus:

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

reservationFailureReason:

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

reservationExpiration:

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

recommendedRequirements:

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

NetworkSliceController-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

type: object

properties:

inputServiceProfile:

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

serviceProfileId:

type: string

readOnly: true

operationalState:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/OperationalState'

administrativeState:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/AdministrativeState'

availabilityStatus:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/AvailabilityStatus'

processMonitor:

$ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ProcessMonitor'

networkSliceRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnRo'

NetworkSliceSubnetController-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

type: object

properties:

inputSliceProfile:

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

sliceProfileId:

type: string

operationalState:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/OperationalState'

administrativeState:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/AdministrativeState'

availabilityStatus:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/AvailabilityStatus'

processMonitor:

$ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ProcessMonitor'

networkSliceSubnetRef:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnRo'

IsolationProfile-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- type: object

properties:

networkSlicingApplicability:

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

resourceIsolationRuleList:

type: array

items:

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

networkSliceRefList:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnListRo'

networkSliceSubnetRefList:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/DnListRo'

#-------- Definition of JSON arrays for name-contained IOCs ----------------------

NetworkSlice-Multiple:

type: array

items:

$ref: '#/components/schemas/NetworkSlice-Single'

NetworkSliceSubnet-Multiple:

type: array

items:

$ref: '#/components/schemas/NetworkSliceSubnet-Single'

EP\_Transport-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_Transport-Single'

NetworkSliceSubnetProviderCapabilities-Multiple:

type: array

items:

$ref: '#/components/schemas/NetworkSliceSubnetProviderCapabilities-Single'

FeasibilityCheckAndReservationJob-Multiple:

type: array

items:

$ref: '#/components/schemas/FeasibilityCheckAndReservationJob-Single'

NetworkSliceController-Multiple:

type: array

items:

$ref: '#/components/schemas/NetworkSliceController-Single'

NetworkSliceSubnetController-Multiple:

type: array

items:

$ref: '#/components/schemas/NetworkSliceSubnetController-Single'

IsolationProfile-Multiple:

type: array

items:

$ref: '#/components/schemas/IsolationProfile-Single'

#------------ Definitions in TS 28.541 for TS 28.532 -----------------------------

resources-sliceNrm:

oneOf:

- $ref: '#/components/schemas/NetworkSlice-Single'

- $ref: '#/components/schemas/NetworkSliceSubnet-Single'

- $ref: '#/components/schemas/EP\_Transport-Single'

- $ref: '#/components/schemas/NetworkSliceSubnetProviderCapabilities-Single'

- $ref: '#/components/schemas/FeasibilityCheckAndReservationJob-Single'

- $ref: '#/components/schemas/NetworkSliceController-Single'

- $ref: '#/components/schemas/NetworkSliceSubnetController-Single'

- $ref: '#/components/schemas/IsolationProfile-Single'

<CODE ENDS>

\*\*\* END OF CHANGE 3 \*\*\*

|  |
| --- |
| **End of Changes** |