**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 canbe found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | *Use one of the following releases:Rel-8 (Release 8)Rel-9 (Release 9)Rel-10 (Release 10)Rel-11 (Release 11)…Rel-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** |