**3GPP TSG-SA5 Meeting #158 *S5-247201***

Orlando, USA, 18 - 22 November 2024

|  |
| --- |
| *CR-Form-v12.3* |
| **CHANGE REQUEST** |
|  |
|  | **28.541** | **CR** | **1391** | **rev** | **1** | **Current version:** | **19.1.0** |  |
|  |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* |
|  |

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

|  |
| --- |
|  |
| ***Title:***  | Rel-19 CR TS 28.541 Add Exsting Attributes to NFService in NRFFunction IOC |
|  |  |
| ***Source to WG:*** | ZTE Corporation, Nokia, Nokia Shanghai Bell, Orange |
| ***Source to TSG:*** | SA5 |
|  |  |
| ***Work item code:*** | AdNRM\_Ph3 |  | ***Date:*** | 2024-11-04 |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***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: | In CT4 TS 29.510, it specifies the data model of NFService for the Nnrf Service Based Interface. But lots of attributes are missing in the NFService <<datatype>> in NRFFunction IOC. This contribution proposes to add following attributes (already defined in TS 28.541) to the NFService <<datatype>>:allowedSnpnsallowedNfDomainsprioritycapacityrecoveryTimevendorId |
|  |  |
| ***Summary of change:*** | Add missing attributes to NFService  |
|  |  |
| ***Consequences if not approved:*** | Incosistence may lead to misunderstanding. |
|  |  |
| ***Clauses affected:*** | 5.3.241 (Normotive Stage3 is in forge) |
|  |  |
|  | **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/1436 at commit 7ab81e871c7e871f30cbae58e36580851130dbab |
|  |  |
| ***This CR's revision history:*** | S5-247201 is the revision of S5-246385 |

***Start of First change***

### 5.3.241 NFService <<dataType>>

#### 5.3.241.1 Definition

This data type represents the NF Service defined in TS 29.510 [23].

#### 5.3.241.2 Attributes

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | S | isReadable | isWritable | isInvariant | isNotifyable |
| serviceInstanceId | M | T | F | T | T |
| serviceName | M | T | F | T | T |
| versions | M | T | F | F | T |
| schema | M | T | T | F | T |
| fqdn | O | T | T | F | T |
| interPlmnFqdn | O | T | T | F | T |
| ipEndPoints | O | T | T | F | T |
| apiPrefix | O | T | T | F | T |
| allowedPlmns | O | T | T | F | T |
| allowedSnpns | O | T | T | F | T |
| allowedNfTypes | O | T | T | F | T |
| allowedNfDomains | O | T | T | F | T |
| allowedNssais | O | T | T | F | T |
| priority | O | T | T | F | T |
| capacity | O | T | T | F | T |
| recoveryTime | O | T | T | F | T |
| vendorId | O | T | T | F | T |

#### 5.3.241.3 Attribute constraints

None.

#### 5.3.241.4 Notifications

The subclause 4.5 of the <<IOC>> using this <<dataType>> as one of its attributes, shall be applicable.

.

***End of First change***

***Start of Second change***

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

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

<CODE BEGINS>

openapi: 3.0.1

info:

 title: 3GPP 5GC NRM

 version: 19.1.0

 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:

 type: array

 items:

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

 sNssais:

 type: array

 items:

 $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

 versions:

 type: array

 items:

 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'

 apiPrefix:

 type: string

 allowedPlmns:

 type: array

 items:

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

 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'

 priority:

 type: integer

 minimum: 0

 maximum: 65535

 capacity:

 type: integer

 recoveryTime:

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

 vendorId:

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

 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

 - P\_PDTQ

 - P\_MBSCD

 - P\_GROUP

 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

 - MATCH\_INFO\_NOTIFICATION

 - DATA\_RESTORATION\_NOTIFICATION

 - TSCTS\_NOTIFICATION

 - LCS\_KEY\_DELIVERY\_NOTIFICATION

 - UUAA\_MM\_AUTH\_NOTIFICATION

 - DC\_SESSION\_EVENT\_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'

 interPlmnFqdn:

 $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

 default: false

 reflectiveQos:

 type: boolean

 default: false

 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

 default: false

 trafficSteeringPolIdDl:

 type: string

 nullable: true

 trafficSteeringPolIdUl:

 type: string

 nullable: true

 routeToLocs:

 type: array

 items:

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

 traffCorreInd:

 type: boolean

 default: false

 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

 default: false

 isUeAddrPreserved:

 type: boolean

 default: false

 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

 default: false

 maxNumberofUEs:

 type: integer

 eACMode:

 type: string

 readOnly: true

 enum:

 - INACTIVE

 - ACTIVE

 default: INACTIVE

 activeEacThreshold:

 type: integer

 default: 0

 deactiveEacThreshold:

 type: integer

 default: 100

 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:

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

 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

 default: false

 proseDirectCommunication:

 type: boolean

 default: false

 proseL2UetoNetworkRelay:

 type: boolean

 default: false

 proseL3UetoNetworkRelay:

 type: boolean

 default: false

 proseL2RemoteUe:

 type: boolean

 default: false

 proseL3RemoteUe:

 type: boolean

 default: false

 V2xCapability:

 type: object

 properties:

 lteV2x:

 type: boolean

 default: false

 nrV2x:

 type: boolean

 default: false

 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

 - S1U

 - S5U

 - S8U

 - S11U

 - S12

 - S2AU

 - S2BU

 - N3TRUSTEDN3GPP

 - N3UNTRUSTEDN3GPP

 - N9ROAMING

 - SGI

 - N19

 - SXAU

 - SXBU

 - N4U

 ipv4EndpointAddresses:

 type: array

 items:

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

 ipv6EndpointAddresses:

 type: array

 items:

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

 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:

 type: array

 items:

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

 ipv6EndpointAddresses:

 type: array

 items:

 $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:

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

 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

 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\_NL1:

 $ref: '#/components/schemas/EP\_NL1-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\_NL1:

 $ref: '#/components/schemas/EP\_NL1-Multiple'

 EP\_NL8:

 $ref: '#/components/schemas/EP\_NL8-Multiple'

 EP\_NL7:

 $ref: '#/components/schemas/EP\_NL7-Multiple'

 EP\_NL10:

 $ref: '#/components/schemas/EP\_NL10-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:

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

 eESIpAddress:

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

 eCSIpAddress:

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

 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\_NL1-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\_NL7-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\_NL8-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\_NL10-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

 default: true

 isPeriodicGtpUMonitoringSupported:

 type: boolean

 readOnly: true

 default: true

 isImmediateGtpUMonitoringSupported:

 type: boolean

 readOnly: true

 default: 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

 default: true

 isPeriodicQFMonitoringSupported:

 type: boolean

 readOnly: true

 default: true

 isSessionReleasedQFMonitoringSupported:

 type: boolean

 readOnly: true

 default: 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'

 managedNFProfile:

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

 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'

 EP\_NL10:

 $ref: '#/components/schemas/EP\_NL10-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:

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 EcmConnectionInfo-Multiple:

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 NssaafFunction-Multiple:

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 EP\_N58-Multiple:

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 DccfFunction-Multiple:

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 ChfFunction-Multiple:

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 MfafFunction-Multiple:

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 GmlcFunction-Multiple:

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 TsctsfFunction-Multiple:

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 AanfFunction-Multiple:

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 BsfFunction-Multiple:

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 MbSmfFunction-Multiple:

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 MbUpfFunction-Multiple:

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 ManagedNFService-Multiple:

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#------------ Definitions in TS 28.541 for TS 28.532 -----------------------------

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 - $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'

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 - $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\_NL1-Single'

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

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 - $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 \*\*\*

***End of Third change***