**3GPP TSG-SA5 Meeting #145-e *S5-225197***

e-meeting, 15 - 24 August 2022

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **28.541** | **CR** | **0765** | **rev** | **-** | **Current version:** | **18.0.0** |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
|  | | | | | | | | |

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Update NWDAFFunction IOC to support management and control purpose | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | adNRM\_ph2 | | | | |  | ***Date:*** | | | 2022-08-02 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-18 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | In TS 23.288, it is clearly described that in a multiple NWDAF deployment scenario, an NWDAF instance may be specialized to provide Analytics for one or more Analytics IDs. Each of the NWDAF instances may serve a certain Area of Interest or TAI(s). So from management aspect, the MnS cosnumer may need to configure some control information for different NWDAF instance, including nWDAFControl, a list of analyticId(s) and analyticScope. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Enhance the NWDAF IOC with control information to enable the MnS cosnumer to control the analytic function of different NWDAF instance. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.3.18, 5.3.X, 5.4.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 Link: <https://forge.3gpp.org/rep/sa5/MnS/-/tree/TS28.541_Rel18_CR0765_Update_NWDAFFunction_IOC_to_support_management_and_control_purpose> | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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

# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non‑specific.

- For a specific reference, subsequent revisions do not apply.

- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2] 3GPP TS 23.501: "System Architecture for the 5G System".

[3] 3GPP TS 38.300: "NR; Overall description; Stage-2".

[4] 3GPP TS 38.401: "NG-RAN; Architecture description".

[5] 3GPP TS 38.413: "NG-RAN; NG Application Protocol (NGAP)".

[6] 3GPP TS 38.420: "NG-RAN; Xn general aspects and principles".

[7] 3GPP TS 38.470: "NG-RAN; F1 general aspects and principles".

[8] 3GPP TS 38.473: "NG-RAN; F1 application protocol (F1AP)".

[9] 3GPP TS 37.340: "NR; Multi-connectivity; Overall description; Stage 2".

[10] 3GPP TS 28.540: "Management and orchestration; 5G Network Resource Model (NRM);Stage 1".

[11] 3GPP TS 28.662: "Telecommunication management; Generic Radio Access Network (RAN) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) ".

[12] 3GPP TS 38.104: "NR; Base Station (BS) radio transmission and reception".

[13] 3GPP TS 23.003: "Numbering, Addressing and Identification".

[14] 3GPP TS 36.410: "Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 general aspects and principles".

[15] 3GPP TS 36.423: "Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 application protocol".

[16] 3GPP TS 36.425: "Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 interface user plane protocol".

[17] 3GPP TS 28.625: "State Management Data Definition Integration Reference Point (IRP); Information Service (IS)".

[18] ITU-T Recommendation X.731: "Information technology - Open Systems Interconnection - Systems Management: State management function".

[19] 3GPP TS 28.658: "Telecommunications management; Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)".

[20] 3GPP TS 28.702: "Core Network (CN) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS)".

[21] 3GPP TS 28.708: "Telecommunication management; Evolved Packet Core (EPC) Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)".

[22] 3GPP TS 23.040: "Technical realization of the Short Message Service (SMS)".

[23] 3GPP TS 29.510: "5G system; Network Function Repository Services; Stage 3".

[24] 3GPP TS 29.531: "5G System; Network Slice Selection Services Stage 3".

[25] Void.

[26] 3GPP TS 28.531: "Management and orchestration; Provisioning".

[27] 3GPP TS 28.554: "Management and orchestration; 5G End to end Key Performance Indicators (KPI)".

[28] 3GPP TS 22.261: "Service requirements for next generation new services and markets".

[29] ETSI GS NFV-IFA 013 V2.4.1 (2018-02) "Network Function Virtualisation (NFV); Management and Orchestration; Os-Ma-nfvo Reference Point - Interface and Information Model Specification".

[30] 3GPP TS 28.622: "Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS)".

[31] Void.

[32] 3GPP TS 38.211: "NR; Physical channels and modulation".

[33] 3GPP TS 32.616: "Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Solution Set (SS) definitions".

[34] 3GPP TS 28.623: "Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions".

[35] 3GPP TS 28.532: "Management and orchestration; Management services".

[36] Void.

[37] IETF RFC 791: "Internet Protocol".

[38] IETF RFC 2373: "IP Version 6 Addressing Architecture".

[39] IEEE 802.1Q: "Media Access Control Bridges and Virtual Bridged Local Area Networks".

[40] ETSI GR NFV-IFA 015 (V2.4.1): "Network Function Virtualisation (NFV) Release 2; Management and Orchestration; Report on NFV Information Model".

[41] 3GPP TS 38.213: "NR; Physical layer procedures for control".

[42] 3GPP TS 38.101-1: "NR; User Equipment (UE) radio transmission and reception; Part 1: Range 1 Standalone".

[43] 3GPP TS 32.156: "Telecommunication management; Fixed Mobile Convergence (FMC) model repertoire".

[44] IETF RFC 4122: "A Universally Unique IDentifier (UUID) URN Namespace".

[45] IETF RFC 8528: "YANG Schema Mount".

[46] Void

[47] 3GPP TS 32.160: "Management and orchestration; Management Service Template".

[48] 3GPP TS 38.463: "NG-RAN; E1 application protocol (E1AP)".

[49] 3GPP TS 38.304: "NR; User Equipment (UE) procedures in Idle mode and RRC Inactive state".

[50] GSMA NG.116 - Generic Network Slice Template Version 3.0 (2020-05-22).

[51] 3GPP TS 22.104: "Service requirements for cyber-physical control applications in vertical domains; Stage 1".

[52] 3GPP TS 33.501: "Security architecture and procedures for the 5G System".

[53] 3GPP TS 38.901: "Study on channel model for frequencies from 0.5 to 100 GHz ".

[54] 3GPP TS 38.331: "NR; Radio Resource Control (RRC) protocol specification".

[55] 3GPP TS 38.215: "NR; Physical layer measurements".

[56] 3GPP TS 29.244: "Technical Specification Group Core Network and Terminals; Interface between the Control Plane and the User Plane Nodes; Stage 3".

[57] 3GPP TS 28.313: "Self-Organizing Networks (SON) for 5G networks".

[58] 3GPP TS 38.423: "NR; Xn application protocol (XnAP)".

[59] 3GPP TS 23.503: "Policy and Charging Control Framework for the 5G System; Stage 2".

[60] 3GPP TS 29.512: "5G System; Session Management Policy Control Service; Stage 3".

[61] 3GPP TS 29.571: "5G System; Common Data Types for Service Based Interfaces; Stage 3".

[62] 3GPP TS 29.214: "Policy and Charging Control over Rx reference point".

[63] IETF RFC 7042: "IANA Considerations and IETF Protocol and Documentation Usage for IEEE 802 Parameters".

[64] IEEE 802.3-2015: "IEEE Standard for Ethernet".

[65] IEEE 802.1Q-2014: "Bridges and Bridged Networks".

[66] IETF RFC 4301: "Security Architecture for the Internet Protocol".

[67] 3GPP TS 29.514: "5G System; Policy Authorization Service; Stage 3".

[68] 3GPP TS 32.422: "Telecommunication management; Subscriber and equipment trace; Trace control and configuration management".

[69] 3GPP TS 28.552: "Management and orchestration; 5G performance measurements".

[70] 3GPP TS 28.530: "Management and orchestration; Concepts, use cases and requirements".

[71] 3GPP TS 28.310: "Management and orchestration; Energy efficiency of 5G".

[72] 3GPP TS 28.705: "Telecommunication management; IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS)".

[73] 3GPP TS 23.304: " Proximity based Services (ProSe) in the 5G System".

[74] IETF RFC 8436: " Update to IANA Registration Procedures for Pool 3 Values in the Differentiated Services Field Codepoints (DSCP) Registry".

[75] ECMA-262: "ECMAScript® Language Specification", <https://www.ecma-international.org/ecma-262/5.1/>.

[76] 3GPP TS 29.500: "5G System; Technical Realization of Service Based Architecture; Stage 3".

[77] IANA: "SMI Network Management Private Enterprise Codes", <http://www.iana.org/assignments/enterprise-numbers>.

[78] 3GPP TS 23.548:" 5G System Enhancements for Edge Computing; Stage 2".

[79] 3GPP TS 28.538: "Edge Computing Management".

[80] 3GPP TS 29.518: "5G System; Access and Mobility Management Services; Stage 3".

[81] 3GPP TS 23.558: "Architecture for enabling Edge Applications".

[82] IETF RFC 5952: "A recommendation for IPv6 address text representation".

[83] IETF RFC 8299: "YANG Data Model for L3VPN Service Delivery".

[84] IETF RFC 8466: "A YANG Data Model for Layer 2 Virtual Private Network (L2VPN) Service Delivery".

[X] 3GPP TS 29.520: "5G System; Network Data Analytics Services; Stage 3"

|  |
| --- |
| **2nd Change** |

### 5.3.18 NWDAFFunction

#### 5.3.18.1 Definition

This IOC represents the NWDAF function in 5GC. For more information about the NWDAF, see 3GPP TS 23.501 [2]. Several attributes (including "nWDAFControl", "analyticIdList" and "ManagedNFProfile.servingScope") are used to control the functionalities of the NWDAF instance. The attribute "ManagedNFProfile.servingScope" is used to represent specified certain Area of Interest or TAI(s) can be served by the NWDAF instance.

#### 5.3.18.2 Attributes

The NWDAFFunction IOC includes attributes inherited from ManagedFunction IOC (defined in TS 28.622[30]) and the following attributes:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | S | isReadable | isWritable | isInvariant | isNotifyable |
| pLMNIdList | M | T | T | F | T |
| sBIFQDN | M | T | T | F | T |
| sNSSAIList | CM | T | T | F | T |
| managedNFProfile | M | T | T | F | T |
| commModelList | M | T | T | F | T |
| networkSliceInfoList | CM | T | T | T | T |
| nWDAFControl | M | T | T | F | T |
| analyticsIds | M | T | T | F | T |

#### 5.3.18.3 Attribute constraints

|  |  |
| --- | --- |
| Name | Definition |
| sNSSAIList S | Condition: Network slicing feature is supported. |
| networkSliceInfoList S | Condition: Network slicing feature is supported and the NWDAF is allowedauthorized to collect the management data of the network slices. |

|  |
| --- |
| **3rd Change** |

## 5.4 Attribute definitions

### 5.4.1 Attribute properties

The following table defines the attributes that are present in several Information Object Classes (IOCs) of the present document.

| Attribute Name | Documentation and Allowed Values | Properties |
| --- | --- | --- |
| aMFIdentifier | The AMFI is constructed from an AMF Region ID, an AMF Set ID and an AMF Pointer. The AMF Region ID identifies the region, the AMF Set ID uniquely identifies the AMF Set within the AMF Region, and the AMF Pointer uniquely identifies the AMF within the AMF Set. (Ref. 3GPP TS 23.003 [13]) | type: Integer  multiplicity: 1  isOrdered: N/A  isUnique: N/A  defaultValue: None  allowedValues: N/A  isNullable: False |
| aMFSetId | It represents the AMF Set ID, which is uniquely identifies the AMF Set within the AMF Region.  allowedValues: defined in subclause 2.10.1 of 3GPP TS 23.003 [13]. | type: Integer  multiplicity: 1  isOrdered: N/A  isUnique: N/A  defaultValue: None  allowedValues: N/A  isNullable: False |
| …… |  |  |
| uPFConnectionInfo | The attribute is defined as a datatype UPFConnInfo (see clause 5.3.121). It is used to provide the UPF IP address and UPF DN.  allowedValues: N/A | type: UPFConnInfo  multiplicity: 1  isOrdered: N/A  isUnique: N/A  defaultValue: None  isNullable: False |
| uPFRef | This attribute holds the DN of an UPF instance.  allowedValues: N/A | type: DN  multiplicity: 1  isOrdered: N/A  isUnique: N/A  defaultValue: None  isNullable: True |
| UpfIpAddress | This parameter defines address of an UPF instance, It can be IP address (either IPv4 address (See RFC 791 [37]) or IPv6 address (See RFC 2373 [38])) or FQDN (See TS 23.003 [13]).  allowedValues: N/A | type: String  multiplicity: 1  isOrdered: N/A  isUnique: N/A  defaultValue: None  isNullable: True |
| ecmConnectionType | It indicates the type of ECM connection (i.e., user plane connection via UPF, control plane connection via PCF or NEF.  AllowedValues: "USERPLANE", "CONTROLPLANE", "BOTH". | type: ENUM  multiplicity: 1  isOrdered: N/A  isUnique: NA  defaultValue: None  isNullable: True |
| nWDAFControl | This attribute determines whether the NWDAF is enabled or disabled. MnS consumer can configure this attribute to activate or de-active the analytic functionalities of the NWDAF instance.  allowedValues: TRUE, FALSE | type: Boolean  multiplicity: 1  isOrdered: N/A  isUnique: N/A  defaultValue: None  isNullable: False |
| analyticsIds | This attribute represents the Analytic functionalities (identified by EventId Is defined in TS 29.520 [x]) of the NWDAF instance. MnS consumer can configure this attribute to specify which Analytic functionalities (identified by EventId ID) can be performed the NWDAF instance.  allowedValues: the detailed ENUM value see the Table 5.1.6.3.4-1 in TS 29.520[x]. | type: ENUM  multiplicity: 1..\*  isOrdered: True  isUnique: True  defaultValue: None  isNullable: True |

|  |
| --- |
| **4th Change** |

## G.4.3 OpenAPI document "TS28541\_5GcNrm.yaml"

openapi: 3.0.1

info:

title: 3GPP 5GC NRM

version: 17.7.0

description: >-

OAS 3.0.1 specification of the 5GC NRM

© 2020, 3GPP Organizational Partners (ARIB, ATIS, CCSA, ETSI, TSDSI, TTA, TTC).

All rights reserved.

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: 'TS28623\_GenericNrm.yaml#/components/schemas/NFType'

nFStatus:

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

plmn:

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

sNssais:

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

fqdn:

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

interPlmnFqdn:

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

nfServices:

type: array

items:

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

NFService:

type: object

description: NF Service is defined in TS 29.510

properties:

serviceInstanceId:

type: string

serviceName:

type: string

version:

type: string

schema:

type: string

fqdn:

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

interPlmnFqdn:

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

ipEndPoints:

type: array

items:

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

apiPrfix:

type: string

allowedPlmns:

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

allowedNfTypes:

type: array

items:

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

allowedNssais:

type: array

items:

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

NFStatus:

type: string

description: any of enumrated 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

TACList:

type: array

items:

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

WeightFactor:

type: integer

UdmInfo:

type: object

properties:

nFSrvGroupId:

type: string

AusfInfo:

type: object

properties:

nFSrvGroupId:

type: string

UpfInfo:

type: object

properties:

smfServingAreas:

type: string

SupportedDataSetId:

type: string

description: any of enumrated value

enum:

- SUBSCRIPTION

- POLICY

- EXPOSURE

- APPLICATION

Udrinfo:

type: object

properties:

supportedDataSetIds:

type: array

items:

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

nFSrvGroupId:

type: string

NFInfo:

oneOf:

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

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

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

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

NotificationType:

type: string

enum:

- N1\_MESSAGES

- N2\_INFORMATION

- LOCATION\_NOTIFICATION

- DATA\_REMOVAL\_NOTIFICATION

- DATA\_CHANGE\_NOTIFICATION

- LOCATION\_UPDATE\_NOTIFICATION

- NSSAA\_REAUTH\_NOTIFICATION

- NSSAA\_REVOC\_NOTIFICATION

DefaultNotificationSubscription:

type: object

properties:

notificationType:

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

callbackURI:

type: string

n1MessageClass:

type: boolean

n2InfroamtionClass:

type: boolean

versions:

type: string

binding:

type: string

ManagedNFProfile:

type: object

properties:

nfInstanceID:

type: string

nfType:

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

heartbeatTimer:

type: integer

authzInfo:

type: string

hostAddr:

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

allowedPLMNs:

type: array

items:

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

allowedSNPNs:

type: array

items:

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

allowedNfTypes:

type: array

items:

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

allowedNfDomains:

type: array

items:

type: string

allowedNSSAIs:

type: array

items:

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

locality:

type: string

nFInfo:

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

capacity:

type: integer

nfSetIdList:

type: array

items:

type: string

servingScope:

type: array

items:

type: string

nfSetRecoveryTimeList:

type: array

items:

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

scpDomains:

type: array

items:

type: string

vendorId:

type: string

SEPPType:

type: string

description: any of enumrated 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 enumrated value

enum:

- DIRECT\_COMMUNICATION\_WO\_NRF

- DIRECT\_COMMUNICATION\_WITH\_NRF

- INDIRECT\_COMMUNICATION\_WO\_DEDICATED\_DISCOVERY

- INDIRECT\_COMMUNICATION\_WITH\_DEDICATED\_DISCOVERY

CommModel:

type: object

properties:

groupId:

type: integer

commModelType:

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

targetNFServiceList:

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

commModelConfiguration:

type: string

CommModelList:

type: array

items:

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

CapabilityList:

type: array

items:

type: string

FiveQiDscpMapping:

type: object

properties:

fiveQIValues:

type: array

items:

type: integer

dscp:

type: integer

NetworkSliceInfo:

type: object

properties:

sNSSAI:

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

cNSIId:

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

networkSliceRef:

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

NetworkSliceInfoList:

type: array

items:

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

PacketErrorRate:

type: object

properties:

scalar:

type: integer

exponent:

type: integer

GtpUPathDelayThresholdsType:

type: object

properties:

n3AveragePacketDelayThreshold:

type: integer

n3MinPacketDelayThreshold:

type: integer

n3MaxPacketDelayThreshold:

type: integer

n9AveragePacketDelayThreshold:

type: integer

n9MinPacketDelayThreshold:

type: integer

n9MaxPacketDelayThreshold:

type: integer

QFPacketDelayThresholdsType:

type: object

properties:

thresholdDl:

type: integer

thresholdUl:

type: integer

thresholdRtt:

type: integer

QosData:

type: object

properties:

qosId:

type: string

fiveQIValue:

type: integer

maxbrUl:

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

maxbrDl:

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

gbrUl:

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

gbrDl:

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

arp:

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

qosNotificationControl:

type: boolean

reflectiveQos:

type: boolean

sharingKeyDl:

type: string

sharingKeyUl:

type: string

maxPacketLossRateDl:

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

maxPacketLossRateUl:

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

extMaxDataBurstVol:

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

QosDataList:

type: array

items:

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

SteeringMode:

type: object

properties:

steerModeValue:

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

active:

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

standby:

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

threeGLoad:

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

prioAcc:

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

TrafficControlData:

type: object

properties:

tcId:

type: string

flowStatus:

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

redirectInfo:

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

addRedirectInfo:

type: array

items:

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

minItems: 1

muteNotif:

type: boolean

trafficSteeringPolIdDl:

type: string

nullable: true

trafficSteeringPolIdUl:

type: string

nullable: true

routeToLocs:

type: array

items:

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

traffCorreInd:

type: boolean

upPathChgEvent:

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

steerFun:

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

steerModeDl:

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

steerModeUl:

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

mulAccCtrl:

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

snssaiList:

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

TrafficControlDataList:

type: array

items:

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

PccRule:

type: object

properties:

pccRuleId:

type: string

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

flowInfoList:

type: array

items:

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

applicationId:

type: string

appDescriptor:

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

contentVersion:

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

precedence:

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

afSigProtocol:

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

isAppRelocatable:

type: boolean

isUeAddrPreserved:

type: boolean

qosData:

type: array

items:

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

altQosParams:

type: array

items:

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

trafficControlData:

type: array

items:

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

conditionData:

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

tscaiInputDl:

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

tscaiInputUl:

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

SnssaiInfo:

type: object

properties:

plmnInfo:

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

administrativeState:

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

NsacfInfoSnssai:

type: object

properties:

SnssaiInfo:

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

isSubjectToNsac:

type: boolean

maxNumberofUEs:

type: integer

eACMode:

type: string

enum:

- INACTIVE

- ACTIVE

activeEacThreshhold:

type: integer

deactiveEacThreshhold:

type: integer

numberofUEs:

type: integer

uEIdList:

type: array

items:

type: string

maxNumberofPDUSessions:

type: integer

NRTACRange:

type: object

properties:

nRTACstart:

type: string

nRTACend:

type: string

nRTACpattern:

type: string

TaiRange:

type: object

properties:

plmnId:

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

nRTACRangelist:

type: array

items:

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

GUAMInfo:

type: object

properties:

pLMNId:

$ref: 'TS28541\_NrNrm.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:

type: string

SNssaiSmfInfoItem:

type: object

properties:

sNSSAI:

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

dnnSmfInfoList:

type: array

items:

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

IpAddr:

type: object

properties:

ipv4Addr:

type: string

ipv6Addr:

type: string

ipv6Prefix:

type: string

5GCNfConnEcmInfoList:

type: array

items:

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

5GCNfConnEcmInfo:

type: object

description: 'Store the 5GC NF connection information'

properties:

5GCNFType:

type: string

enum:

- PCF

- NEF

- SCEF

5GCNFIpAddress:

type: string

5GCNFRef:

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

UPFConnectionInfo:

type: object

properties:

uPFIpAddress:

type: string

uPFRef:

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

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

SnpnInfo:

type: object

properties:

snpnId:

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

snssai:

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

TaiList:

type: array

items:

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

EventId:

type: string

enum:

- NF\_LOAD

- QOS\_SUSTAINABILITY

- SLICE\_LOAD\_LEVEL

- SERVICE\_EXPERIENCE

- UE\_MOBILITY

- UE\_COMM

- ABNORMAL\_BEHAVIOUR

- USER\_DATA\_CONGESTION

- NETWORK\_PERFORMANCE

- NSI\_LOAD\_LEVEL

- DISPERSION

- RED\_TRANS\_EXP

- WLAN\_PERFORMANCE

- DN\_PERFORMANCE

- SM\_CONGESTION

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

ProvMnS:

oneOf:

- type: object

properties:

SubNetwork:

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

- type: object

properties:

ManagedElement:

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

SubNetwork-Single:

allOf:

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

- type: object

properties:

attributes:

allOf:

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

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

- type: object

properties:

SubNetwork:

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

ManagedElement:

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

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-Single:

allOf:

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

- type: object

properties:

attributes:

allOf:

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

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

- 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'

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:

plmnIdList:

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

amfIdentifier:

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

sBIFqdn:

type: string

interPlmnFQDN:

type: string

taiList:

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

taiRangeList:

type: array

items:

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

weightFactor:

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

snssaiList:

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

cNSIIdList:

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

gUAMIdList:

type: array

items:

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

backupInfoAmfFailure:

type: array

items:

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

backupInfoAmfRemoval:

type: array

items:

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

amfSetRef:

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

managedNFProfile:

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

commModelList:

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

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

- type: object

properties:

EP\_N2:

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

EP\_N8:

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

EP\_N11:

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

EP\_N12:

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

EP\_N14:

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

EP\_N15:

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

EP\_N17:

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

EP\_N20:

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

EP\_N22:

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

EP\_N26:

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

EP\_NLS:

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

EP\_NLG:

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

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'

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

sNssaiSmfInfoList:

type: array

items:

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

taiList:

type: array

items:

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

taiRangeList:

type: array

items:

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

pwgFqdn:

type: string

pgwAddrList:

type: array

items:

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

accessType:

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

priority:

type: integer

cNSIIdList:

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

vsmfSupportInd:

type: boolean

pwgFqdnList:

type: array

items:

type: string

managedNFProfile:

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

commModelList:

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

configurable5QISetRef:

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

dynamic5QISetRef:

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

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

- 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'

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:

plmnIdList:

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

nRTACList:

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

snssaiList:

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

managedNFProfile:

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

supportedBMOList:

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

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

- 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'

- 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:

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'

configurable5QISetRef:

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

dynamic5QISetRef:

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

supportedBMOList:

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

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

- 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\_Rx:

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

PredefinedPccRuleSet:

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

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:

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'

- type: object

properties:

EP\_N12:

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

EP\_N13:

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

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'

eCSAddrConfigInfo:

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

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

- 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'

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:

plmnIdList:

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

sBIFqdn:

type: string

snssaiList:

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

managedNFProfile:

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

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:

plmnIdList:

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

sBIFqdn:

type: string

snssaiList:

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

managedNFProfile:

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

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:

plmnIdList:

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

sBIFqdn:

type: string

cNSIIdList:

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

nFProfileList:

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

snssaiList:

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

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

- type: object

properties:

EP\_N27:

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

plmnIdList:

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

sBIFqdn:

type: string

cNSIIdList:

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

nFProfileList:

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

snssaiList:

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

commModelList:

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

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

- type: object

properties:

EP\_N22:

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

EP\_N31:

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

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

- 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'

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

- type: object

properties:

EP\_NLS:

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

NgeirFunction-Single:

allOf:

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

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

plmnIdList:

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

sBIFqdn:

type: string

snssaiList:

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

managedNFProfile:

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

commModelList:

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

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

- 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: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnId'

sEPPType:

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

sEPPId:

type: integer

fqdn:

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

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

- 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'

nWDAFControl:

type: boolean

analyticsIds:

type: array

items:

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

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'

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

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

taiList:

items:

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

taiRangeList:

type: array

items:

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

dnai:

type: string

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

- type: object

properties:

EP\_N33:

$ref: '#/components/schemas/EP\_N33-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'

taiList:

items:

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

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

- 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: 'TS28541\_NrNrm.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'

- 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: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnId'

sBIFqdn:

type: string

managedNFProfile:

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

serverAddr:

type: string

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

- type: object

properties:

EP\_Nxx:

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

EcmConnectionInfo-Single:

allOf:

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

- type: object

properties:

attributes:

allOf:

- type: object

properties:

eASServiceArea:

$ref: 'TS28538\_EdgeNrm.yaml#/components/schemas/ServingLocation'

eESServiceArea:

$ref: 'TS28538\_EdgeNrm.yaml#/components/schemas/ServingLocation'

eDNServiceArea:

$ref: 'TS28538\_EdgeNrm.yaml#/components/schemas/ServingLocation'

eASIpAddress:

type: string

eESIpAddress:

type: string

eCSIpAddress:

type: string

ednIdentifier:

type: string

ecmConnectionType:

type: string

enum:

- USERPLANE

- CONTROLPLANE

- BOTH

5GCNfConnEcmInfoList:

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

uPFConnectionInfo:

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

ExternalAmfFunction-Single:

allOf:

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

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

plmnIdList:

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

amfIdentifier:

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

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'

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'

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: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnId'

sEPPId:

type: integer

fqdn:

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

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/DnList'

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: 'TS28541\_NrNrm.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\_S5C-Single:

allOf:

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

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

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

remoteAddress:

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

EP\_S5U-Single:

allOf:

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

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

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

remoteAddress:

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

EP\_Rx-Single:

allOf:

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

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

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

remoteAddress:

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

EP\_MAP\_SMSC-Single:

allOf:

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

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

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

remoteAddress:

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

EP\_NLS-Single:

allOf:

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

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

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

remoteAddress:

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

EP\_NLG-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\_Nxx-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

- NonGBR

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:

type: array

items:

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

Dynamic5QISet-Single:

allOf:

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

- type: object

properties:

attributes:

allOf:

- type: object

properties:

dynamic5QIs:

type: array

items:

$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

isPeriodicGtpUMonitoringSupported:

type: boolean

isImmediateGtpUMonitoringSupported:

type: boolean

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

isPeriodicQFMonitoringSupported:

type: boolean

isSessionReleasedQFMonitoringSupported:

type: boolean

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'

#-------- Definition of JSON arrays for name-contained IOCs ----------------------

SubNetwork-Multiple:

type: array

items:

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

ManagedElement-Multiple:

type: array

items:

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

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'

EP\_N2-Multiple:

type: array

items:

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

EP\_N3-Multiple:

type: array

items:

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

EP\_N4-Multiple:

type: array

items:

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

EP\_N5-Multiple:

type: array

items:

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

EP\_N6-Multiple:

type: array

items:

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

EP\_N7-Multiple:

type: array

items:

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

EP\_N8-Multiple:

type: array

items:

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

EP\_N9-Multiple:

type: array

items:

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

EP\_N10-Multiple:

type: array

items:

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

EP\_N11-Multiple:

type: array

items:

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

EP\_N12-Multiple:

type: array

items:

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

EP\_N13-Multiple:

type: array

items:

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

EP\_N14-Multiple:

type: array

items:

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

EP\_N15-Multiple:

type: array

items:

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

EP\_N16-Multiple:

type: array

items:

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

EP\_N17-Multiple:

type: array

items:

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

EP\_N20-Multiple:

type: array

items:

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

EP\_N21-Multiple:

type: array

items:

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

EP\_N22-Multiple:

type: array

items:

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

EP\_N26-Multiple:

type: array

items:

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

EP\_N27-Multiple:

type: array

items:

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

EP\_N31-Multiple:

type: array

items:

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

EP\_N32-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N32-Single'

EP\_N33-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N33-Single'

EP\_S5C-Multiple:

type: array

items:

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

EP\_S5U-Multiple:

type: array

items:

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

EP\_Rx-Multiple:

type: array

items:

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

EP\_MAP\_SMSC-Multiple:

type: array

items:

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

EP\_NLS-Multiple:

type: array

items:

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

EP\_NLG-Multiple:

type: array

items:

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

EP\_N60-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N60-Single'

EP\_Npc4-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_Npc4-Single'

EP\_Npc6-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_Npc6-Single'

EP\_Npc7-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_Npc7-Single'

EP\_Npc8-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_Npc8-Single'

EP\_Nxx-Multiple:

type: array

items:

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

Configurable5QISet-Multiple:

type: array

items:

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

Dynamic5QISet-Multiple:

type: array

items:

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

EcmConnectionInfo-Multiple:

type: array

items:

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

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

resources-5gcNrm:

oneOf:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- $ref: '#/components/schemas/EP\_N32-Single'

- $ref: '#/components/schemas/EP\_N33-Single'

- $ref: '#/components/schemas/EP\_N60-Single'

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

- $ref: '#/components/schemas/EP\_Npc4-Single'

- $ref: '#/components/schemas/EP\_Npc6-Single'

- $ref: '#/components/schemas/EP\_Npc7-Single'

- $ref: '#/components/schemas/EP\_Npc8-Single'

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

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

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

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

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

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

|  |
| --- |
| **End of Change** |