**3GPP TSG-SA5 Meeting #140-e *S5-216272***

**e-meeting, 15 - 24 November 2021**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** |  | **rev** |  | **Current version:** |  |  |
|  | | | | | | | | |
| *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-17 Stage3 Update for UPF and PCF | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | China Mobile | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | adNRM | | | | |  | ***Date:*** | | | 2021-11-04 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | F |  | | | | | ***Release:*** | | |  |
|  | *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:*** | | Some attributes already defined in stage2 5GC NRM has not be reflected in the stage3. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Add supportedBMOList in UPF and PCF function. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Some attributes will be missing in 5GC. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | G.4.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | | Forge link: <https://forge.3gpp.org/rep/sa5/MnS/blob/28.541_Rel17_CR0630_Stage3_update_for_UPF_and_PCF/OpenAPI/5gcNrm.yaml> | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

**Start of change.**

#### 5.3.5.2 Attributes

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Support Qualifier | 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 |
| supportedBMOList | O | T | T | F | T |
| **Attribute related to role** |  |  |  |  |  |
| configurable5QISetRef | O | T | T | F | T |
| dynamic5QISetRef | O | T | F | F | T |

**Next change.**

openapi: 3.0.1

info:

title: 3GPP 5GC NRM

version: 17.4.0

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: 'genericNrm.yaml#/components/schemas/Ipv4Addr'

ipv6Address:

$ref: 'genericNrm.yaml#/components/schemas/Ipv6Addr'

ipv6Prefix:

$ref: 'genericNrm.yaml#/components/schemas/Ipv6Prefix'

transport:

$ref: '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: 'genericNrm.yaml#/components/schemas/NFType'

nFStatus:

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

plmn:

$ref: 'nrNrm.yaml#/components/schemas/PlmnId'

sNssais:

$ref: 'nrNrm.yaml#/components/schemas/Snssai'

fqdn:

$ref: 'genericNrm.yaml#/components/schemas/Fqdn'

interPlmnFqdn:

$ref: 'genericNrm.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: 'genericNrm.yaml#/components/schemas/Fqdn'

interPlmnFqdn:

$ref: 'genericNrm.yaml#/components/schemas/Fqdn'

ipEndPoints:

type: array

items:

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

apiPrfix:

type: string

allowedPlmns:

$ref: 'nrNrm.yaml#/components/schemas/PlmnId'

allowedNfTypes:

type: array

items:

$ref: 'genericNrm.yaml#/components/schemas/NFType'

allowedNssais:

type: array

items:

$ref: '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: '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

AmfInfo:

type: object

properties:

priority:

type: integer

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/AmfInfo'

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

ManagedNFProfile:

type: object

properties:

nfInstanceID:

type: string

nfType:

$ref: 'genericNrm.yaml#/components/schemas/NFType'

authzInfo:

type: string

hostAddr:

$ref: 'genericNrm.yaml#/components/schemas/HostAddr'

locality:

type: string

nFInfo:

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

capacity:

type: integer

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: 'genericNrm.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: 'nrNrm.yaml#/components/schemas/Snssai'

cNSIId:

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

networkSliceRef:

$ref: 'genericNrm.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: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/TS29571\_CommonData.yaml#/components/schemas/BitRateRm'

maxbrDl:

$ref: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/TS29571\_CommonData.yaml#/components/schemas/BitRateRm'

gbrUl:

$ref: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/TS29571\_CommonData.yaml#/components/schemas/BitRateRm'

gbrDl:

$ref: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/TS29571\_CommonData.yaml#/components/schemas/BitRateRm'

arp:

$ref: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/TS29571\_CommonData.yaml#/components/schemas/Arp'

qosNotificationControl:

type: boolean

reflectiveQos:

type: boolean

sharingKeyDl:

type: string

sharingKeyUl:

type: string

maxPacketLossRateDl:

$ref: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/TS29571\_CommonData.yaml#/components/schemas/PacketLossRateRm'

maxPacketLossRateUl:

$ref: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/TS29571\_CommonData.yaml#/components/schemas/PacketLossRateRm'

extMaxDataBurstVol:

$ref: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/TS29571\_CommonData.yaml#/components/schemas/ExtMaxDataBurstVolRm'

QosDataList:

type: array

items:

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

SteeringMode:

type: object

properties:

steerModeValue:

$ref: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/TS29512\_Npcf\_SMPolicyControl.yaml#/components/schemas/SteerModeValue'

active:

$ref: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/TS29571\_CommonData.yaml#/components/schemas/AccessType'

standby:

$ref: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/TS29571\_CommonData.yaml#/components/schemas/AccessTypeRm'

threeGLoad:

$ref: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/TS29571\_CommonData.yaml#/components/schemas/Uinteger'

prioAcc:

$ref: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/TS29571\_CommonData.yaml#/components/schemas/AccessType'

TrafficControlData:

type: object

properties:

tcId:

type: string

flowStatus:

$ref: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/TS29514\_Npcf\_PolicyAuthorization.yaml#/components/schemas/FlowStatus'

redirectInfo:

$ref: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/TS29512\_Npcf\_SMPolicyControl.yaml#/components/schemas/RedirectInformation'

addRedirectInfo:

type: array

items:

$ref: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/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: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/TS29571\_CommonData.yaml#/components/schemas/RouteToLocation'

traffCorreInd:

type: boolean

upPathChgEvent:

$ref: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/TS29512\_Npcf\_SMPolicyControl.yaml#/components/schemas/UpPathChgEvent'

steerFun:

$ref: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/TS29512\_Npcf\_SMPolicyControl.yaml#/components/schemas/SteeringFunctionality'

steerModeDl:

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

steerModeUl:

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

mulAccCtrl:

$ref: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/TS29512\_Npcf\_SMPolicyControl.yaml#/components/schemas/MulticastAccessControl'

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: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/TS29512\_Npcf\_SMPolicyControl.yaml#/components/schemas/FlowInformation'

applicationId:

type: string

appDescriptor:

$ref: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/TS29512\_Npcf\_SMPolicyControl.yaml#/components/schemas/ApplicationDescriptor'

contentVersion:

$ref: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/TS29514\_Npcf\_PolicyAuthorization.yaml#/components/schemas/ContentVersion'

precedence:

$ref: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/TS29571\_CommonData.yaml#/components/schemas/Uinteger'

afSigProtocol:

$ref: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/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: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/TS29512\_Npcf\_SMPolicyControl.yaml#/components/schemas/ConditionData'

tscaiInputDl:

$ref: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/TS29514\_Npcf\_PolicyAuthorization.yaml#/components/schemas/TscaiInputContainer'

tscaiInputUl:

$ref: 'https://forge.3gpp.org/rep/all/5G\_APIs/raw/REL-16/TS29514\_Npcf\_PolicyAuthorization.yaml#/components/schemas/TscaiInputContainer'

SnssaiInfo:

type: object

properties:

plmnInfo:

$ref: 'nrNrm.yaml#/components/schemas/PlmnInfo'

administrativeState:

$ref: 'genericNrm.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

SupportedBMOList:

type: array

items:

type: string

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

SubNetwork-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/SubNetwork-Attr'

- $ref: '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'

ManagedElement-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedElement-Attr'

- $ref: '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'

AmfFunction-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'nrNrm.yaml#/components/schemas/PlmnIdList'

amfIdentifier:

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

sBIFqdn:

type: string

weightFactor:

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

snssaiList:

$ref: 'nrNrm.yaml#/components/schemas/SnssaiList'

amfSet:

$ref: 'genericNrm.yaml#/components/schemas/Dn'

managedNFProfile:

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

commModelList:

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

- $ref: '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: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'nrNrm.yaml#/components/schemas/PlmnIdList'

nRTACList:

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

amfSetId:

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

snssaiList:

$ref: 'nrNrm.yaml#/components/schemas/SnssaiList'

AmfRegion-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'nrNrm.yaml#/components/schemas/PlmnIdList'

nRTACList:

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

amfRegionId:

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

snssaiList:

$ref: 'nrNrm.yaml#/components/schemas/SnssaiList'

SmfFunction-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'nrNrm.yaml#/components/schemas/PlmnIdList'

nRTACList:

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

sBIFqdn:

type: string

snssaiList:

$ref: 'nrNrm.yaml#/components/schemas/SnssaiList'

managedNFProfile:

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

commModelList:

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

configurable5QISetRef:

$ref: 'genericNrm.yaml#/components/schemas/Dn'

dynamic5QISetRef:

$ref: 'genericNrm.yaml#/components/schemas/Dn'

- $ref: '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: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'nrNrm.yaml#/components/schemas/PlmnIdList'

nRTACList:

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

snssaiList:

$ref: 'nrNrm.yaml#/components/schemas/SnssaiList'

managedNFProfile:

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

supportedBMOList:

$ref: '#/components/schemas/SupportedBMOList’ - $ref: '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: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'nrNrm.yaml#/components/schemas/PlmnIdList'

commModelList:

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

- $ref: '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: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'nrNrm.yaml#/components/schemas/PlmnIdList'

sBIFqdn:

type: string

snssaiList:

$ref: 'nrNrm.yaml#/components/schemas/SnssaiList'

managedNFProfile:

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

commModelList:

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

supportedBMOList:

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

configurable5QISetRef:

$ref: 'genericNrm.yaml#/components/schemas/Dn'

dynamic5QISetRef:

$ref: 'genericNrm.yaml#/components/schemas/Dn'

- $ref: '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: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'nrNrm.yaml#/components/schemas/PlmnIdList'

sBIFqdn:

type: string

snssaiList:

$ref: 'nrNrm.yaml#/components/schemas/SnssaiList'

managedNFProfile:

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

commModelList:

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

- $ref: '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: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'nrNrm.yaml#/components/schemas/PlmnIdList'

sBIFqdn:

type: string

snssaiList:

$ref: 'nrNrm.yaml#/components/schemas/SnssaiList'

managedNFProfile:

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

commModelList:

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

- $ref: '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: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'nrNrm.yaml#/components/schemas/PlmnIdList'

sBIFqdn:

type: string

snssaiList:

$ref: 'nrNrm.yaml#/components/schemas/SnssaiList'

managedNFProfile:

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

UdsfFunction-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'nrNrm.yaml#/components/schemas/PlmnIdList'

sBIFqdn:

type: string

snssaiList:

$ref: 'nrNrm.yaml#/components/schemas/SnssaiList'

managedNFProfile:

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

NrfFunction-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'nrNrm.yaml#/components/schemas/PlmnIdList'

sBIFqdn:

type: string

cNSIIdList:

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

nFProfileList:

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

snssaiList:

$ref: 'nrNrm.yaml#/components/schemas/SnssaiList'

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- type: object

properties:

EP\_N27:

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

NssfFunction-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'nrNrm.yaml#/components/schemas/PlmnIdList'

sBIFqdn:

type: string

cNSIIdList:

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

nFProfileList:

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

snssaiList:

$ref: 'nrNrm.yaml#/components/schemas/SnssaiList'

commModelList:

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

- $ref: '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: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'nrNrm.yaml#/components/schemas/PlmnIdList'

sBIFqdn:

type: string

managedNFProfile:

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

commModelList:

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

- $ref: '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: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'nrNrm.yaml#/components/schemas/PlmnIdList'

managedNFProfile:

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

commModelList:

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

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- type: object

properties:

EP\_NLS:

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

NgeirFunction-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'nrNrm.yaml#/components/schemas/PlmnIdList'

sBIFqdn:

type: string

snssaiList:

$ref: 'nrNrm.yaml#/components/schemas/SnssaiList'

managedNFProfile:

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

commModelList:

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

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- type: object

properties:

EP\_N17:

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

SeppFunction-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnId:

$ref: 'nrNrm.yaml#/components/schemas/PlmnId'

sEPPType:

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

sEPPId:

type: integer

fqdn:

$ref: 'genericNrm.yaml#/components/schemas/Fqdn'

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- type: object

properties:

EP\_N32:

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

NwdafFunction-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'nrNrm.yaml#/components/schemas/PlmnIdList'

sBIFqdn:

type: string

snssaiList:

$ref: 'nrNrm.yaml#/components/schemas/SnssaiList'

managedNFProfile:

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

commModelList:

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

networkSliceInfoList:

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

ScpFunction-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

supportedFuncList:

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

address:

$ref: 'genericNrm.yaml#/components/schemas/HostAddr'

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-ncO'

NefFunction-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

sBIFqdn:

type: string

snssaiList:

$ref: 'nrNrm.yaml#/components/schemas/SnssaiList'

managedNFProfile:

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

capabilityList:

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

isCAPIFSup:

type: boolean

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- type: object

properties:

EP\_N33:

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

NsacfFunction-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

managedNFProfile:

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

nsacfInfoSnssai:

type: array

items:

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

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- type: object

properties:

EP\_N60:

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

DDNMFFunction-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top-Attr'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnId:

$ref: 'nrNrm.yaml#/components/schemas/PlmnId'

sBIFqdn:

type: string

managedNFProfile:

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

commModelList:

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

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- type: object

properties:

EP\_N64:

$ref: '#/components/schemas/EP\_N64-Multiple'

EP\_N65:

$ref: '#/components/schemas/EP\_N65-Multiple'

EP\_N66:

$ref: '#/components/schemas/EP\_N66-Multiple'

ExternalAmfFunction-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'nrNrm.yaml#/components/schemas/PlmnIdList'

amfIdentifier:

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

ExternalNrfFunction-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'nrNrm.yaml#/components/schemas/PlmnIdList'

ExternalNssfFunction-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'nrNrm.yaml#/components/schemas/PlmnIdList'

ExternalSeppFunction-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnId:

$ref: 'nrNrm.yaml#/components/schemas/PlmnId'

sEPPId:

type: integer

fqdn:

$ref: 'genericNrm.yaml#/components/schemas/Fqdn'

EP\_N2-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N3-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

epTransportRefs:

$ref: 'genericNrm.yaml#/components/schemas/DnList'

EP\_N4-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N5-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N6-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N7-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N8-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N9-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N10-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N11-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N12-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N13-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N14-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N15-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N16-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N17-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N20-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N21-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N22-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N26-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N27-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N31-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N32-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

remotePlmnId:

$ref: 'nrNrm.yaml#/components/schemas/PlmnId'

remoteSeppAddress:

$ref: 'genericNrm.yaml#/components/schemas/HostAddr'

remoteSeppId:

type: integer

n32cParas:

type: string

n32fPolicy:

type: string

withIPX:

type: boolean

EP\_N33-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top-Attr'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_S5C-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_S5U-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_Rx-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_MAP\_SMSC-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_NLS-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_NLG-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N60-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N64-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top-Attr'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N65-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top-Attr'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N66-Single:

allOf:

- $ref: 'genericNrm.yaml#/components/schemas/Top-Attr'

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

localAddress:

$ref: 'nrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'nrNrm.yaml#/components/schemas/RemoteAddress'

FiveQiDscpMappingSet-Single:

allOf:

- $ref: '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: 'genericNrm.yaml#/components/schemas/Top-Attr'

- 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: '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: '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: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- type: object

properties:

gtpUPathQoSMonitoringState:

type: string

enum:

- ENABLED

- DISABLED

gtpUPathMonitoredSNSSAIs:

type: array

items:

$ref: '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: 'genericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- type: object

properties:

qFQoSMonitoringState:

type: string

enum:

- ENABLED

- DISABLED

qFMonitoredSNSSAIs:

type: array

items:

$ref: '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: '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\_N64-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N64-Single'

EP\_N65-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N65-Single'

EP\_N66-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N66-Single'

Configurable5QISet-Multiple:

type: array

items:

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

Dynamic5QISet-Multiple:

type: array

items:

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

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

resources-5gcNrm:

oneOf:

- $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/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\_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'

**End of change.**