**3GPP TSG-SA5 Meeting #156 *S5-244776***

**Maastricht, Netherlands, 19 - 23 August 2024**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **28.541** | **CR** | **1313** | **rev** | **1** | **Current version:** | **19.0.0** |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

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|  | | | | | | | | | | |
| ***Title:*** | Rel-19 CR 28.541 update LCS related NRM | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | AdNRM\_Ph3 | | | | |  | ***Date:*** | | | 2024-08-09 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | *Rel-19* |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories 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:*** | | The LCS service as defined in TS 23.273 has been updated according to the latest spec. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Update LMFFunction NRM and GMLCFunction NRM.  Add EP\_NL7, EP\_NL8 and EP\_NL10 IOC | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The management object is not align with control plane definition. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.2.1, 5.3.x(new), 5.3.y (new), 5.3.z (new), Q.1.x(new) and Q.1.y(new) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **x** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **x** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **x** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | | Forge MR link: <https://forge.3gpp.org/rep/sa5/MnS/-/merge_requests/1280> at commit 4cbff5aedcaae55197f79f97e4d36b0e93be4628 | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Revision of S5-243693 | | | | | | | | |

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| **1st Change** |

### 5.2.1 Class diagram of 5GC NFs

#### 5.2.1.1 Relationships

This clause depicts the set of classes (e.g. IOCs) that encapsulates the information relevant for NRM of 5GC NFs definitions. This clause provides the overview of the relationships of relevant classes in UML. Subsequent clauses provide more detailed specification of various aspects of these classes.

The Figure 5.2.1.1-1 shows the 5GC NF NRM containment/naming relationship.



Figure 5.2.1.1-1: 5GC NRM containment/naming relationship



Figure 5.2.1.1-2: Transport view of AMF NRM

The Figure 5.2.1.1-3 shows the transport view of SMF NRM.



Figure 5.2.1.1-3: Transport view of SMF NRM

The Figure 5.2.1.1-4 shows the transport view of UPF NRM.



Figure 5.2.1.1-4: Transport view of UPF NRM

The Figure 5.2.1.1-5 shows the transport view of N3IWF NRM.



Figure 5.2.1.1-5: Transport view of N3IWF NRM

The Figure 5.2.1.1-6 shows the transport view of PCF NRM.

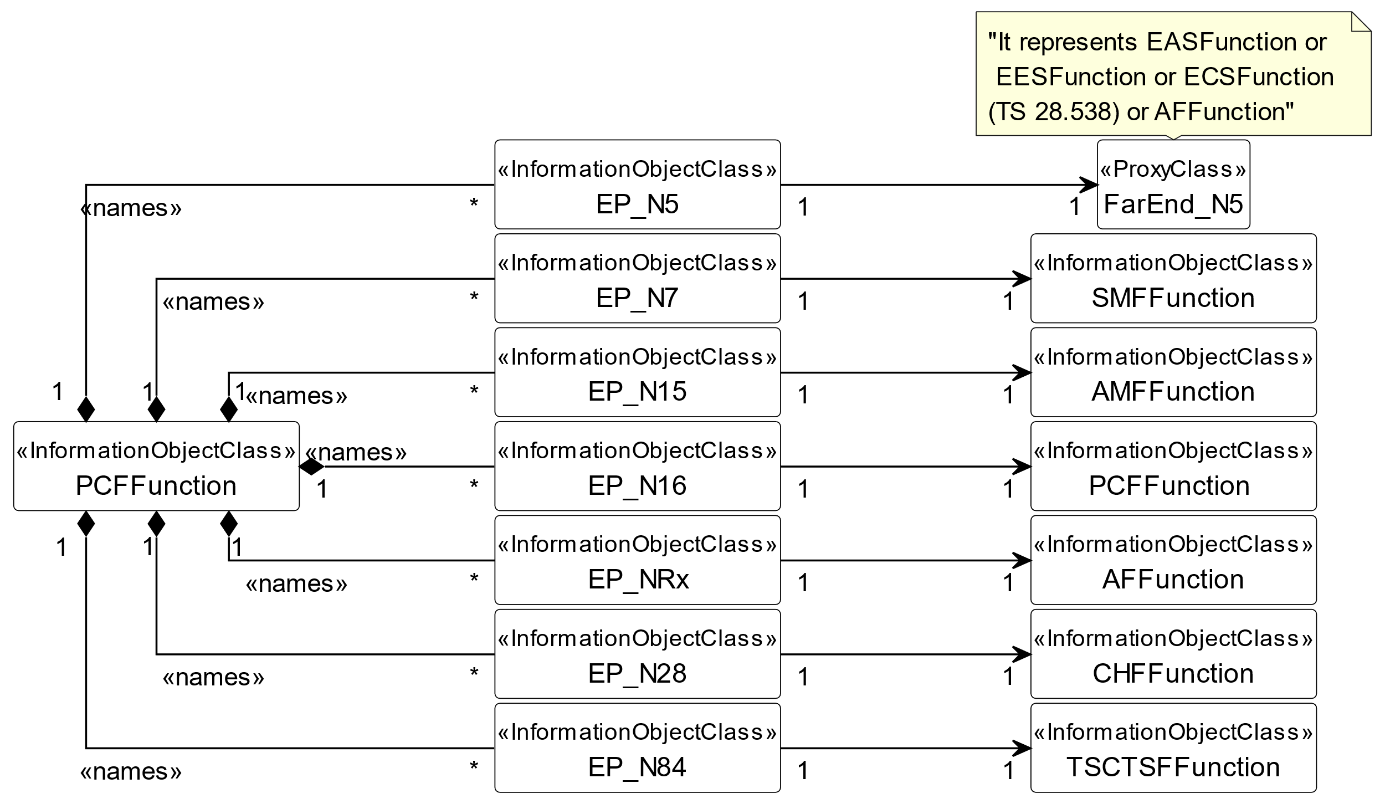


Figure 5.2.1.1-6: Transport view of PCF NRM

The Figure 5.2.1.1-7 shows the transport view of AUSF NRM.

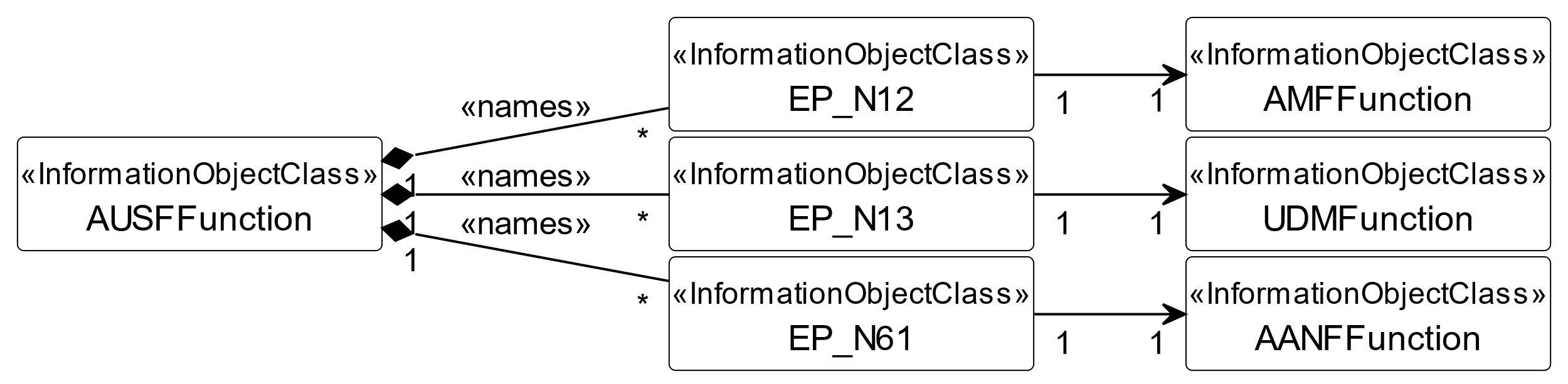


Figure 5.2.1.1-7: Transport view of AUSF NRM

The Figure 5.2.1.1-8 shows the transport view of UDM NRM.

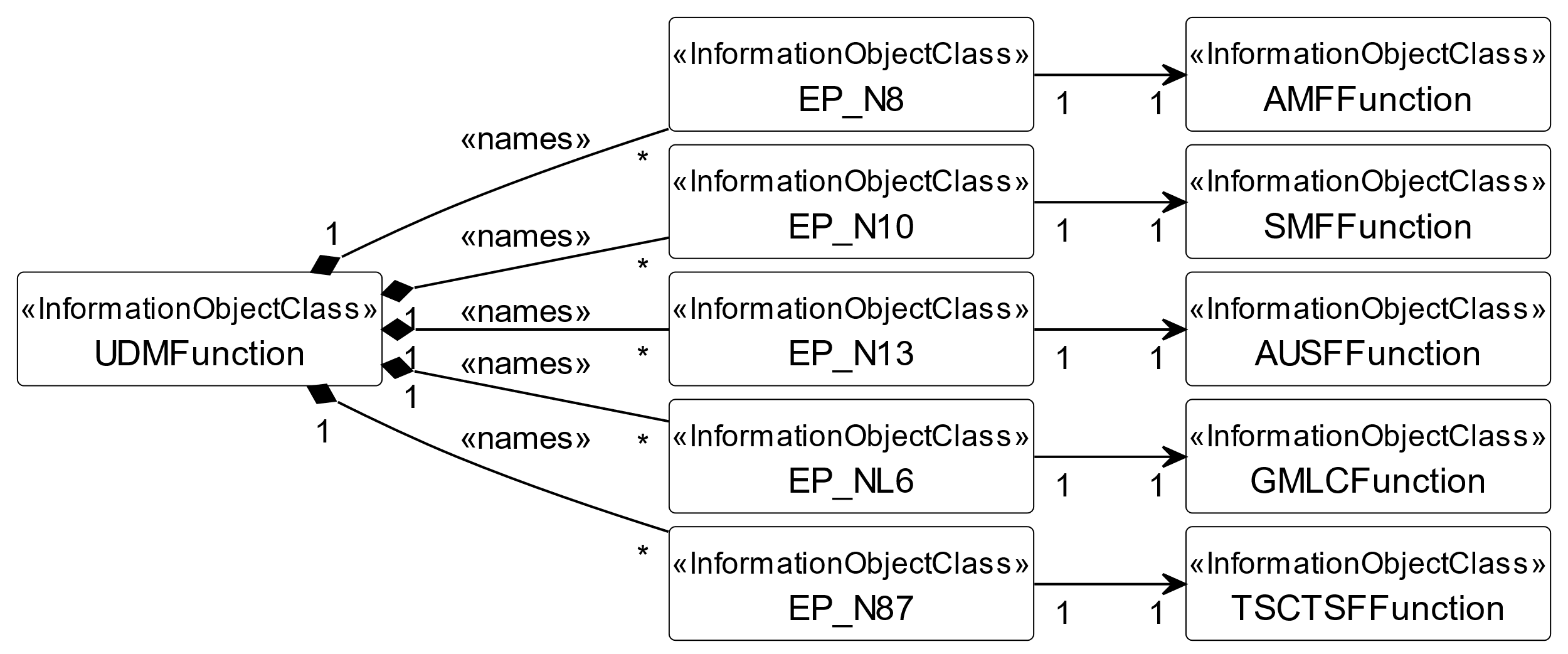


Figure 5.2.1.1-8: Transport view of UDM NRM

The Figure 5.2.1.1-9 shows the transport view of NRF NRM.



Figure 5.2.1.1-9: Transport view of NRF NRM

The Figure 5.2.1.1-10 shows the transport view of NSSF NRM.



Figure 5.2.1.1-10: Transport view of NSSF NRM

The Figure 5.2.1.1-11 shows the transport view of SMSF NRM.



Figure 5.2.1.1-11: Transport view of SMSF NRM

The Figure 5.2.1.1-12 shows the transport view of 5G location service related NRM.



Figure 5.2.1.1-12: Transport view of LMF NRM

The Figure 5.2.1.1-13 shows the transport view of 5G-EIR NRM.



Figure 5.2.1.1-13: Transport view of 5G-EIR NRM

The Figure 5.2.1.1-14 shows the transport view of SEPP NRM.



Figure 5.2.1.1-14: Transport view of SEPP NRM

The Figure 5.2.1.1-15 shows the NRM fragment for control of QoS monitoring per QoS flow per UE.



Figure 5.2.1.1-15: NRM fragment for control of QoS monitoring per QoS flow per UE

The Figure 5.2.1.1-16 shows the NRM fragment for control of GTP-U path QoS monitoring.



Figure 5.2.1.1-16: NRM fragment for control of GTP-U path QoS monitoring

The Figure 5.2.1.1-17 shows the NRM fragment for pre-configured 5QIs in 5GC.



Figure 5.2.1.1-17: NRM fragment for pre-configured 5QIs in 5GC

The Figure 5.2.1.1-18 shows the NRM fragment for 5QI and DSCP mapping.



Figure 5.2.1.1-18: NRM fragment for 5QI and DSCP mapping.

The Figure 5.2.1.1-19 shows the NRM fragment for predefined PCC rule.



Figure 5.2.1.1-19: NRM fragment for predefined PCC rule

The Figure 5.2.1.1-20 shows the NRM fragment for dynamically assigned 5QIs in 5GC.



Figure 5.2.1.1-20: NRM fragment for dynamically assigned 5QIs in 5GC

The Figure 5.2.1.1-21 shows the transport view of NSACF NRM.



Figure 5.2.1.1-21: Transport view of NSACF NRM

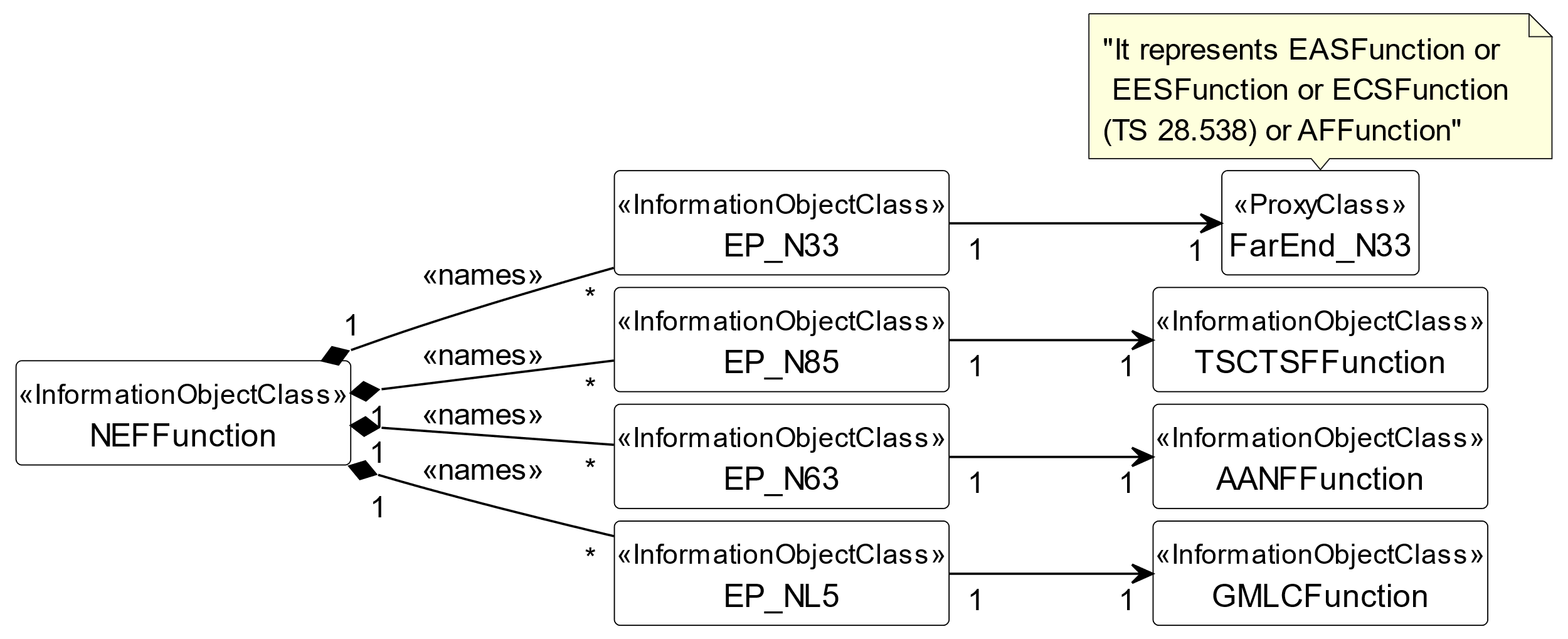


Figure 5.2.1.1-22: Transport view of NEF NRM

The Figure 5.2.1.1-23 shows the transport view of 5G DDNMF NRM.



Figure 5.2.1.1-23: Transport view of 5G DDNMF NRM

The Figure 5.2.1.1-24 shows the transport view of 5G EASDF NRM.



Figure 5.2.1.1-24: Transport view of 5G EASDF NRM



Figure 5.2.1.1-25: EcmConnectionInfo NRM

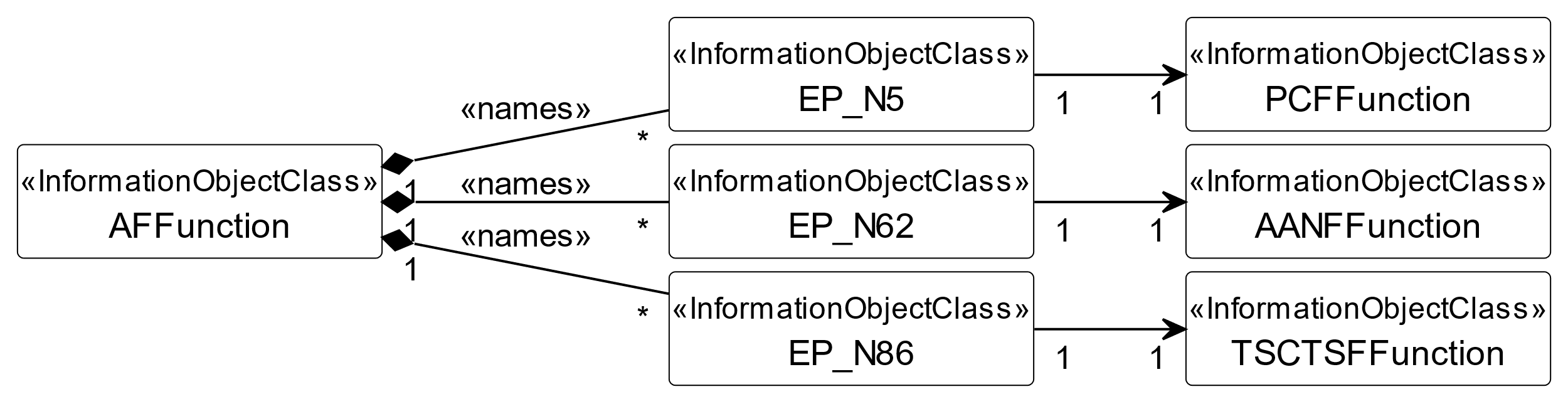


Figure 5.2.1.1-26: AFFunction NRM



Figure 5.2.1.1-27: NSSAAFFunction NRM

The Figure 5.2.1.1-28 shows the transport view of CHFFunction NRM:



Figure 5.2.1.1-28: Transport view of CHFFunction NRM

The Figure 5.2.1.1-29 shows the transport view of AANFFunction NRM:

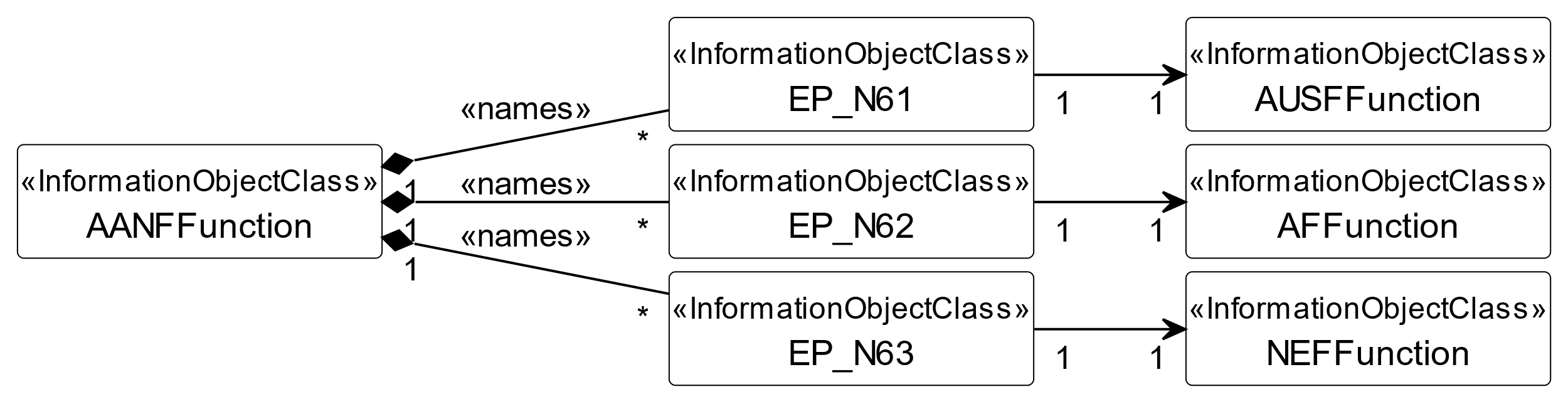


Figure 5.2.1.1-29: Transport view of AANFFunction NRM fragment

The Figure 5.2.1.1-30 shows the transport view of GMLCFunction NRM:

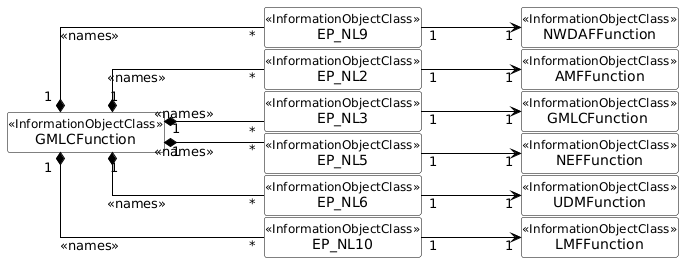


Figure 5.2.1.1-30: Transport view of GMLCFunction NRM fragment

The Figure 5.2.1.1-31 shows the transport view of NWDAFFunction NRM:



Figure 5.2.1.1-31: Transport view of NWDAFFunction NRM fragment

The Figure 5.2.1.1-32 shows the transport view of TSCTSFFunction NRM:

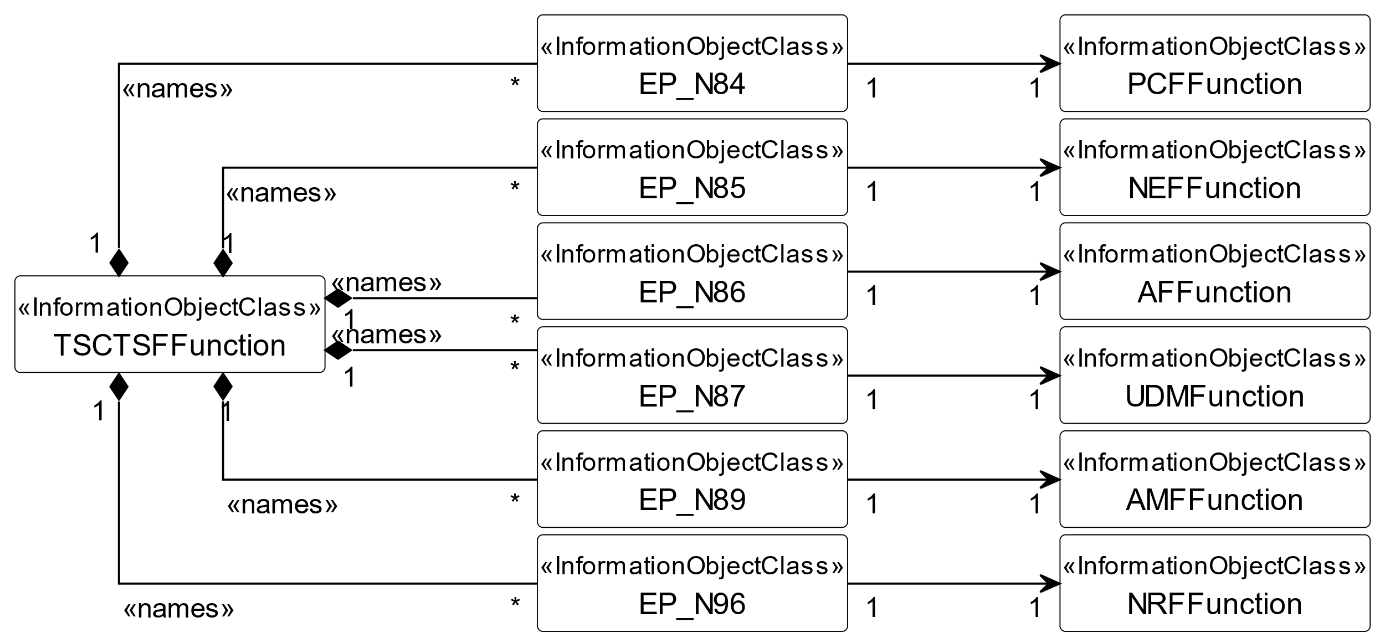


Figure 5.2.1.1-32: Transport view of TSCTSFFunction NRM fragment

The Figure 5.2.1.1-33 shows the transport view of MBSMFFunction NRM:



Figure 5.2.1.1-33: Transport view of MB-SMF Function NRM fragment

The Figure 5.2.1.1-34 shows the transport view of MBUPFFunction NRM:



Figure 5.2.1.1-34: Transport view of MB-UPF Function NRM fragment

The Figure 5.2.1.1-35 shows the transport view of SCPFunction NRM:



Figure 5.2.1.1-35: Transport view of SCPFunction NRM fragment



Figure 5.2.1.1-36: Functional view of NWDAF NRM fragment

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| **2nd Change** |

#### 5.2.1.2 Inheritance

This clause depicts the inheritance relationships that exist between IOCs.

Figure 5.2.1.2-1 shows the inheritance hierarchy from IOC ManagedFunction related to the 5GC NF NRM.

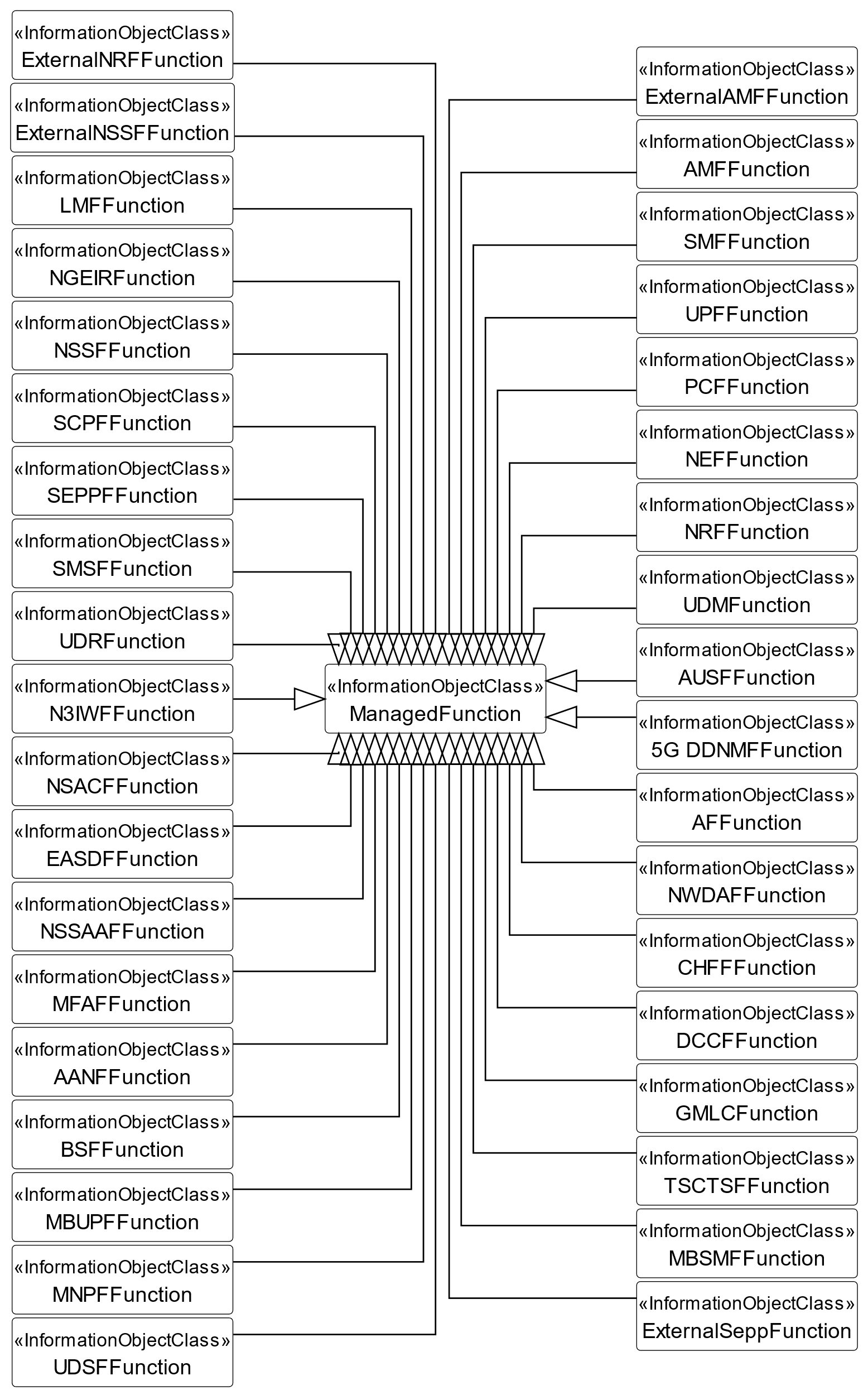


Figure 5.2.1.2-1: Inheritance hierarchy from IOC ManagedFunction related to the 5GC NF NRM

Figure 5.2.1.2-2 shows the inheritance hierarchy from IOC EP\_RP related to 5GC NF NRM.

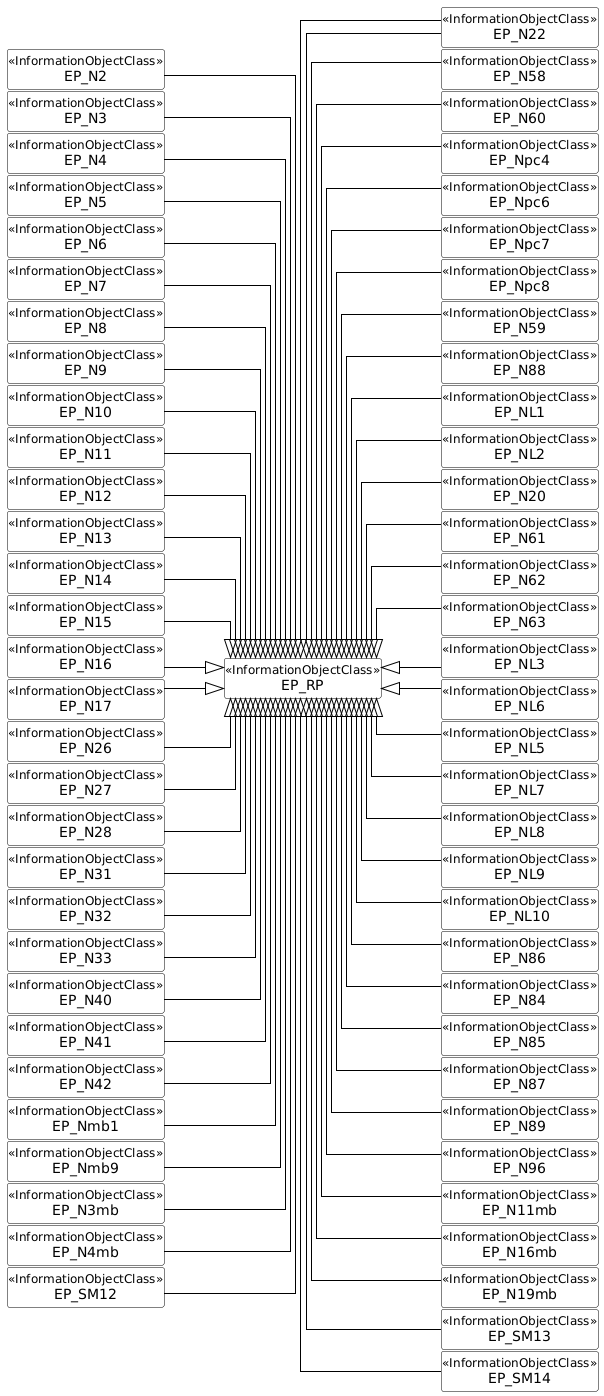


Figure 5.2.1.2-2: Inheritance hierarchy from IOC EP\_RP related to the 5GC NF NRM



Figure 5.2.1.2-3: Inheritance hierarchy for IOC QFQoSMonitoringControl



Figure 5.2.1.2-4: Inheritance hierarchy for IOC GtpUPathQoSMonitoringControl



Figure 5.2.1.2-5: Inheritance hierarchy for IOC Configurable5QISet



Figure 5.2.1.2-6: Inheritance hierarchy for IOC FiveQiDscpMapping



Figure 5.2.1.2-7: Inheritance hierarchy for predefined PCC rule modeling



Figure 5.2.1.2-8: Inheritance hierarchy for IOC Dynamic5QISet



Figure 5.2.1.2-9: Inheritance hierarchy for EcmConnectionInfo



Figure 5.2.1.2-10: FiveQICharacteristics Inheritance



Figure 5.2.1.2-11: Inheritance hierarchy for NWDAF functional NRM

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| **3rd Change** |

### 5.3.x EP\_NL7

#### 5.3.x.1 Definition

This IOC represents the NL7 interface between two LMFs, which is defined in TS 23.273 [93].

#### 5.3.x.2 Attributes

The EP\_NL7 IOC includes attributes inherited from EP\_RP IOC (defined in TS 28.622[30]) and the following attributes:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | S | isReadable | isWritable | isInvariant | isNotifyable |
| localAddress | O | T | T | F | T |
| remoteAddress | O | T | T | F | T |

#### 5.3.x.3 Attribute constraints

None.

#### 5.3.x.4 Notifications

The common notifications defined in subclause 5.5 are valid for this IOC, without exceptions or additions.

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| **4th Change** |

### 5.3.y EP\_NL8

#### 5.3.y.1 Definition

This IOC represents the NL8 interface between LMF and NWDAF, which is defined in TS 23.273 [93].

#### 5.3.y.2 Attributes

The EP\_NL8 IOC includes attributes inherited from EP\_RP IOC (defined in TS 28.622[30]) and the following attributes:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | S | isReadable | isWritable | isInvariant | isNotifyable |
| localAddress | O | T | T | F | T |
| remoteAddress | O | T | T | F | T |

#### 5.3.y.3 Attribute constraints

None.

#### 5.3.y.4 Notifications

The common notifications defined in subclause 5.5 are valid for this IOC, without exceptions or additions.

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| **5th Change** |

### 5.3.z EP\_NL10

#### 5.3.z.1 Definition

This IOC represents the NL10 interface between LMF and GMLC, which is defined in TS 23.273 [93].

#### 5.3.z.2 Attributes

The EP\_NL10 IOC includes attributes inherited from EP\_RP IOC (defined in TS 28.622[30]) and the following attributes:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | S | isReadable | isWritable | isInvariant | isNotifyable |
| localAddress | O | T | T | F | T |
| remoteAddress | O | T | T | F | T |

#### 5.3.z.3 Attribute constraints

None.

#### 5.3.z.4 Notifications

The common notifications defined in subclause 5.5 are valid for this IOC, without exceptions or additions.

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| **6th Change** |

## Q.1.x The Figure 5.2.1.1-12 for the transport view of LMF NRM

'Figure 5.2.1.1-12: Transport view of LMF NRM

@startuml Figure 5.2.1.1-12: Transport view of LMF NRM

hide empty members

hide circle

skinparam class {

BackgroundColor White

ArrowColor Black

BorderColor Black

}

skinparam ClassStereotypeFontStyle normal

skinparam linetype ortho

skinparam nodesep 2

skinparam ranksep 100

left to right direction

class LMFFunction <<InformationObjectClass>>

class EP\_NL1 <<InformationObjectClass>>

class EP\_NL8 <<InformationObjectClass>>

class EP\_NL7 <<InformationObjectClass>>

class EP\_NL10 <<InformationObjectClass>>

class AMFunction <<InformationObjectClass>>

class NWDAFFunction <<InformationObjectClass>>

class "LMFFunction " <<InformationObjectClass>>

class GMLCFunction <<InformationObjectClass>>

LMFFunction "1" \*-- "\*" EP\_NL1: <<names>>

LMFFunction "1" \*-- "\*" EP\_NL8: <<names>>

LMFFunction "1" \*-- "\*" EP\_NL7: <<names>>

LMFFunction "1" \*-- "\*" EP\_NL10: <<names>>

EP\_NL1 "1" --> "1" AMFunction

EP\_NL8 "1" --> "1" NWDAFFunction

EP\_NL7 "1" --> "1" "LMFFunction "

EP\_NL10 "1" --> "1" GMLCFunction

@enduml

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| **7th Change** |

## Q.1.y The Figure 5.2.1.1-30 for the transport view of GMLC NRM

'Figure 5.2.1.1-30: Transport view of GMLC NRM

@startuml Figure 5.2.1.1-30: Transport view of GMLC NRM

hide empty members

hide circle

skinparam class {

BackgroundColor White

ArrowColor Black

BorderColor Black

}

skinparam ClassStereotypeFontStyle normal

skinparam linetype ortho

skinparam nodesep 2

skinparam ranksep 100

left to right direction

class GMLCFunction <<InformationObjectClass>>

class EP\_NL9 <<InformationObjectClass>>

class EP\_NL2 <<InformationObjectClass>>

class EP\_NL3 <<InformationObjectClass>>

class EP\_NL5 <<InformationObjectClass>>

class EP\_NL6 <<InformationObjectClass>>

class EP\_NL10 <<InformationObjectClass>>

class NWDAFFunction <<InformationObjectClass>>

class AMFFunction <<InformationObjectClass>>

class "GMLCFunction " <<InformationObjectClass>>

class NEFFunction <<InformationObjectClass>>

class UDMFunction <<InformationObjectClass>>

class LMFFunction <<InformationObjectClass>>

GMLCFunction "1" \*-- "\*" EP\_NL9: <<names>>

GMLCFunction "1" \*-- "\*" EP\_NL2: <<names>>

GMLCFunction "1" \*-- "\*" EP\_NL3: <<names>>

GMLCFunction "1" \*-- "\*" EP\_NL5: <<names>>

GMLCFunction "1" \*-- "\*" EP\_NL6: <<names>>

GMLCFunction "1" \*-- "\*" EP\_NL10: <<names>>

EP\_NL9 "1" --> "1" NWDAFFunction

EP\_NL2 "1" --> "1" AMFFunction

EP\_NL3 "1" --> "1" "GMLCFunction "

EP\_NL5 "1" --> "1" NEFFunction

EP\_NL6 "1" --> "1" UDMFunction

EP\_NL10 "1" --> "1" LMFFunction

@enduml

|  |
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| **8th Change** |

## Q.2.2 Figure 5.2.1.2-2 the inheritance hierarchy from IOC EP\_RP related to 5GC NF NRM

@startuml igure 5.2.1.2-2: Inheritance hierarchy from IOC EP\_RP related to the 5GC NF NRM

hide empty members

skinparam ClassStereotypeFontStyle normal

hide circle

skinparam class {

BackgroundColor White

ArrowColor Black

BorderColor Black

}

left to right direction

skinparam linetype ortho

'skinparam BoxPadding 40

skinparam nodesep 2

class EP\_RP <<InformationObjectClass>>

class EP\_N2 <<InformationObjectClass>>

class EP\_N3 <<InformationObjectClass>>

class EP\_N4 <<InformationObjectClass>>

class EP\_N5 <<InformationObjectClass>>

class EP\_N6 <<InformationObjectClass>>

class EP\_N7 <<InformationObjectClass>>

class EP\_N8 <<InformationObjectClass>>

class EP\_N9 <<InformationObjectClass>>

class EP\_N10 <<InformationObjectClass>>

class EP\_N11 <<InformationObjectClass>>

class EP\_N12 <<InformationObjectClass>>

class EP\_N13 <<InformationObjectClass>>

class EP\_N14 <<InformationObjectClass>>

class EP\_N15 <<InformationObjectClass>>

class EP\_N16 <<InformationObjectClass>>

class EP\_N17 <<InformationObjectClass>>

'class EP\_N18 <<InformationObjectClass>>

class EP\_N22 <<InformationObjectClass>>

class EP\_N26 <<InformationObjectClass>>

class EP\_N27 <<InformationObjectClass>>

class EP\_N28 <<InformationObjectClass>>

class EP\_N31 <<InformationObjectClass>>

class EP\_N32 <<InformationObjectClass>>

class EP\_N33 <<InformationObjectClass>>

class EP\_N40 <<InformationObjectClass>>

class EP\_N41 <<InformationObjectClass>>

class EP\_N42 <<InformationObjectClass>>

class EP\_N58 <<InformationObjectClass>>

class EP\_N60 <<InformationObjectClass>>

class EP\_Npc4 <<InformationObjectClass>>

class EP\_Npc6 <<InformationObjectClass>>

class EP\_Npc7 <<InformationObjectClass>>

class EP\_Npc8 <<InformationObjectClass>>

class EP\_N59 <<InformationObjectClass>>

class EP\_N88 <<InformationObjectClass>>

class EP\_NL1 <<InformationObjectClass>>

class EP\_NL2 <<InformationObjectClass>>

class EP\_N20 <<InformationObjectClass>>

class EP\_N22 <<InformationObjectClass>>

' AANFFunction

class EP\_N61 <<InformationObjectClass>>

class EP\_N62 <<InformationObjectClass>>

class EP\_N63 <<InformationObjectClass>>

' GMLC

class EP\_NL3 <<InformationObjectClass>>

class EP\_NL6 <<InformationObjectClass>>

class EP\_NL5 <<InformationObjectClass>>

class EP\_NL7 <<InformationObjectClass>>

class EP\_NL8 <<InformationObjectClass>>

class EP\_NL9 <<InformationObjectClass>>

class EP\_NL10 <<InformationObjectClass>>

' TSCTSFFunction

class EP\_N86 <<InformationObjectClass>>

class EP\_N84 <<InformationObjectClass>>

class EP\_N85 <<InformationObjectClass>>

class EP\_N87 <<InformationObjectClass>>

class EP\_N89 <<InformationObjectClass>>

class EP\_N96 <<InformationObjectClass>>

' MB-SMF & MB-UPF

class EP\_N11mb <<InformationObjectClass>>

class EP\_N16mb <<InformationObjectClass>>

class EP\_N19mb <<InformationObjectClass>>

class EP\_Nmb1 <<InformationObjectClass>>

class EP\_Nmb9 <<InformationObjectClass>>

class EP\_N3mb <<InformationObjectClass>>

class EP\_N4mb <<InformationObjectClass>>

' MNPF

class EP\_SM12 <<InformationObjectClass>>

class EP\_SM13 <<InformationObjectClass>>

class EP\_SM14 <<InformationObjectClass>>

EP\_N2 --|> EP\_RP

EP\_N3 --|> EP\_RP

EP\_N4 --|> EP\_RP

EP\_N5 --|> EP\_RP

EP\_N6 --|> EP\_RP

EP\_N7 --|> EP\_RP

EP\_N8 --|> EP\_RP

EP\_N9 --|> EP\_RP

EP\_N10 --|> EP\_RP

EP\_N11 --|> EP\_RP

EP\_N12 --|> EP\_RP

EP\_N13 --|> EP\_RP

EP\_N14 --|> EP\_RP

EP\_N15 --|> EP\_RP

EP\_N16 --|> EP\_RP

EP\_N17 --|> EP\_RP

EP\_N22 --|> EP\_RP

EP\_N26 --|> EP\_RP

EP\_N27 --|> EP\_RP

EP\_N28 --|> EP\_RP

EP\_N31 --|> EP\_RP

EP\_N32 --|> EP\_RP

EP\_N33 --|> EP\_RP

EP\_N40 --|> EP\_RP

EP\_N41 --|> EP\_RP

EP\_N42 --|> EP\_RP

'since SA5#151

EP\_Nmb1 --|> EP\_RP

EP\_Nmb9 --|> EP\_RP

EP\_N3mb --|> EP\_RP

EP\_N4mb --|> EP\_RP

EP\_SM12 --|> EP\_RP

EP\_RP <|-- EP\_N58

EP\_RP <|-- EP\_N60

EP\_RP <|-- EP\_Npc4

EP\_RP <|-- EP\_Npc6

EP\_RP <|-- EP\_Npc7

EP\_RP <|-- EP\_Npc8

EP\_RP <|-- EP\_N59

EP\_RP <|-- EP\_N88

EP\_RP <|-- EP\_NL1

EP\_RP <|-- EP\_NL2

EP\_RP <|-- EP\_N20

EP\_RP <|-- EP\_N22

EP\_RP <|-- EP\_N61

EP\_RP <|-- EP\_N62

EP\_RP <|-- EP\_N63

EP\_RP <|-- EP\_NL3

EP\_RP <|-- EP\_NL6

EP\_RP <|-- EP\_NL5

EP\_RP <|-- EP\_NL7

EP\_RP <|-- EP\_NL8

EP\_RP <|-- EP\_NL9

EP\_RP <|-- EP\_NL10

EP\_RP <|-- EP\_N86

EP\_RP <|-- EP\_N84

EP\_RP <|-- EP\_N85

EP\_RP <|-- EP\_N87

EP\_RP <|-- EP\_N89

EP\_RP <|-- EP\_N96

'since SA5#151

EP\_RP <|-- EP\_N11mb

EP\_RP <|-- EP\_N16mb

EP\_RP <|-- EP\_N19mb

EP\_RP <|-- EP\_SM13

EP\_RP <|-- EP\_SM14

@enduml

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| **8th Change** |

Forge MR link: <https://forge.3gpp.org/rep/sa5/MnS/-/merge_requests/1280> at commit 4cbff5aedcaae55197f79f97e4d36b0e93be4628

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

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

<CODE BEGINS>

openapi: 3.0.1

info:

title: 3GPP 5GC NRM

version: 19.0.0

description: >-

OAS 3.0.1 specification of the 5GC NRM

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externalDocs:

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

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

paths: {}

components:

schemas:

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

AmfIdentifier:

type: object

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

properties:

amfRegionId:

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

amfSetId:

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

amfPointer:

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

AmfRegionId:

type: integer

description: AmfRegionId is defined in TS 23.003

maximum: 255

AmfSetId:

type: string

description: AmfSetId is defined in TS 23.003

maximum: 1023

AmfPointer:

type: integer

description: AmfPointer is defined in TS 23.003

maximum: 63

IpEndPoint:

type: object

properties:

ipv4Address:

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

ipv6Address:

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

ipv6Prefix:

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

transport:

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

port:

type: integer

NFProfileList:

type: array

description: List of NF profile

items:

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

NFProfile:

type: object

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

properties:

nFInstanceId:

type: string

description: uuid of NF instance

nFType:

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

nFStatus:

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

plmn:

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

sNssais:

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

fqdn:

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

interPlmnFqdn:

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

nfServices:

type: array

items:

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

NFService:

type: object

description: NF Service is defined in TS 29.510

properties:

serviceInstanceId:

type: string

serviceName:

type: string

version:

type: string

schema:

type: string

fqdn:

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

interPlmnFqdn:

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

ipEndPoints:

type: array

items:

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

apiPrfix:

type: string

allowedPlmns:

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

allowedNfTypes:

type: array

items:

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

allowedNssais:

type: array

items:

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

NFStatus:

type: string

description: any of enumerated value

enum:

- REGISTERED

- SUSPENDED

CNSIIdList:

type: array

items:

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

CNSIId:

type: string

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

EnergySavingControl:

type: string

description: any of enumerated value

enum:

- TO\_BE\_ENERGYSAVING

- TO\_BE\_NOT\_ENERGYSAVING

EnergySavingState:

type: string

description: any of enumerated value

enum:

- IS\_NOT\_ENERGYSAVING

- IS\_ENERGYSAVING

TACList:

type: array

items:

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

WeightFactor:

type: integer

VendorId:

type: string

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

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

AusfInfo:

type: object

properties:

nFSrvGroupId:

type: string

supiRanges:

type: array

items:

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

minItems: 1

routingIndicators:

type: array

items:

type: string

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

minItems: 1

suciInfos:

type: array

items:

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

minItems: 1

SupportedDataSet:

type: string

description: any of enumerated value

enum:

- SUBSCRIPTION

- POLICY

- EXPOSURE

- APPLICATION

- A\_PFD

- A\_AFTI

- A\_IPTV

- A\_BDT

- A\_SPD

- A\_EASD

- A\_AMI

- P\_UE

- P\_SCD

- P\_BDT

- P\_PLMNUE

- P\_NSSCD

NotificationType:

type: string

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

n2InformationClass:

type: boolean

versions:

type: string

binding:

type: string

ManagedNFProfile:

type: object

properties:

hniList:

type: array

items:

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

nfInstanceID:

type: string

nfType:

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

heartbeatTimer:

type: integer

authzInfo:

type: string

hostAddr:

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

allowedPLMNs:

type: array

items:

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

sNPNList:

type: array

items:

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

allowedSNPNs:

type: array

items:

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

allowedNfTypes:

type: array

items:

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

allowedNfDomains:

type: array

items:

type: string

allowedNSSAIs:

type: array

items:

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

locality:

type: string

capacity:

type: integer

nfSetIdList:

type: array

items:

type: string

servingScope:

type: array

items:

type: string

lcHSupportInd:

type: boolean

olcHSupportInd:

type: boolean

nfSetRecoveryTimeList:

type: array

items:

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

scpDomains:

type: array

items:

type: string

recoveryTime:

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

nfServicePersistence:

type: boolean

nfProfileChangesSupportInd:

type: boolean

defaultNotificationSubscriptions:

type: array

items:

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

minItems: 1

serviceSetRecoveryTimeList:

type: array

items:

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

minItems: 1

vendorId:

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

SEPPType:

type: string

description: any of enumerated value

enum:

- CSEPP

- PSEPP

SupportedFunc:

type: object

properties:

function:

type: string

policy:

type: string

SupportedFuncList:

type: array

items:

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

CommModelType:

type: string

description: any of enumerated value

enum:

- DIRECT\_COMMUNICATION\_WO\_NRF

- DIRECT\_COMMUNICATION\_WITH\_NRF

- INDIRECT\_COMMUNICATION\_WO\_DEDICATED\_DISCOVERY

- INDIRECT\_COMMUNICATION\_WITH\_DEDICATED\_DISCOVERY

CommModel:

type: object

properties:

groupId:

type: integer

commModelType:

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

targetNFServiceList:

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

commModelConfiguration:

type: string

CommModelList:

type: array

items:

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

CapabilityList:

type: array

items:

type: string

FiveQiDscpMapping:

type: object

properties:

fiveQIValues:

type: array

items:

type: integer

dscp:

type: integer

NetworkSliceInfo:

type: object

properties:

sNSSAI:

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

cNSIId:

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

networkSliceRef:

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

NetworkSliceInfoList:

type: array

items:

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

PacketErrorRate:

type: object

properties:

scalar:

type: integer

exponent:

type: integer

GtpUPathDelayThresholdsType:

type: object

properties:

n3AveragePacketDelayThreshold:

type: integer

n3MinPacketDelayThreshold:

type: integer

n3MaxPacketDelayThreshold:

type: integer

n9AveragePacketDelayThreshold:

type: integer

n9MinPacketDelayThreshold:

type: integer

n9MaxPacketDelayThreshold:

type: integer

QFPacketDelayThresholdsType:

type: object

properties:

thresholdDl:

type: integer

thresholdUl:

type: integer

thresholdRtt:

type: integer

QosData:

type: object

properties:

qosId:

type: string

fiveQIValue:

type: integer

maxbrUl:

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

maxbrDl:

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

gbrUl:

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

gbrDl:

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

arp:

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

qosNotificationControl:

type: boolean

reflectiveQos:

type: boolean

sharingKeyDl:

type: string

sharingKeyUl:

type: string

maxPacketLossRateDl:

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

maxPacketLossRateUl:

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

extMaxDataBurstVol:

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

QosDataList:

type: array

items:

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

SteeringMode:

type: object

properties:

steerModeValue:

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

active:

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

standby:

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

threeGLoad:

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

prioAcc:

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

TrafficControlData:

type: object

properties:

tcId:

type: string

flowStatus:

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

redirectInfo:

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

addRedirectInfo:

type: array

items:

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

minItems: 1

muteNotif:

type: boolean

trafficSteeringPolIdDl:

type: string

nullable: true

trafficSteeringPolIdUl:

type: string

nullable: true

routeToLocs:

type: array

items:

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

traffCorreInd:

type: boolean

upPathChgEvent:

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

steerFun:

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

steerModeDl:

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

steerModeUl:

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

mulAccCtrl:

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

snssaiList:

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

TrafficControlDataList:

type: array

items:

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

PccRule:

type: object

properties:

pccRuleId:

type: string

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

flowInfoList:

type: array

items:

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

applicationId:

type: string

appDescriptor:

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

contentVersion:

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

precedence:

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

afSigProtocol:

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

isAppRelocatable:

type: boolean

isUeAddrPreserved:

type: boolean

qosData:

type: array

items:

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

altQosParams:

type: array

items:

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

trafficControlData:

type: array

items:

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

conditionData:

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

tscaiInputDl:

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

tscaiInputUl:

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

SnssaiInfo:

type: object

properties:

plmnInfo:

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

administrativeState:

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

NsacfInfoSnssai:

type: object

properties:

SnssaiInfo:

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

isSubjectToNsac:

type: boolean

maxNumberofUEs:

type: integer

eACMode:

type: string

enum:

- INACTIVE

- ACTIVE

activeEacThreshold:

type: integer

deactiveEacThreshold:

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

nRTACRangelist:

type: array

items:

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

GUAMInfo:

type: object

properties:

pLMNId:

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

aMFIdentifier:

type: integer

SupportedBMOList:

type: array

items:

type: string

ECSAddrConfigInfo:

type: array

items:

type: string

DnnSmfInfoItem:

type: object

properties:

dnn:

type: string

dnaiList:

type: array

items:

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

minItems: 1

dnaiSatelliteMapping:

type: object

properties:

dnaiList:

type: array

items:

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

minItems: 1

geoSatelliteId:

type: string

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

SnssaiSmfInfoItem:

type: object

properties:

sNSSAI:

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

dnnSmfInfoList:

type: array

items:

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

5GCNfConnEcmInfoList:

type: array

items:

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

5GCNfConnEcmInfo:

type: object

description: 'Store the 5GC NF connection information'

properties:

5GCNFType:

type: string

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

TaiList:

type: array

items:

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

SupiRange:

type: object

properties:

start:

type: string

end:

type: string

pattern:

type: string

IdentityRange:

type: object

properties:

start:

type: string

end:

type: string

pattern:

type: string

ProseCapability:

type: object

properties:

proseDirectDiscovery:

type: boolean

proseDirectCommunication:

type: boolean

proseL2UetoNetworkRelay:

type: boolean

proseL3UetoNetworkRelay:

type: boolean

proseL2RemoteUe:

type: boolean

proseL3RemoteUe:

type: boolean

V2xCapability:

type: object

properties:

lteV2x:

type: boolean

nrV2x:

type: boolean

InternalGroupIdRange:

type: object

properties:

start:

type: string

end:

type: string

pattern:

type: string

SuciInfo:

type: object

properties:

routingInds:

type: array

items:

type: string

hNwPubKeyIds:

type: array

items:

type: integer

SuciInfoList:

type: array

items:

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

SharedDataIdRange:

type: object

properties:

pattern:

type: string

SupiRangeList:

type: array

items:

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

IdentityRangeList:

type: array

items:

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

InternalGroupIdRangeList:

type: array

items:

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

SupportedDataSetList:

type: array

items:

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

SharedDataIdRangeList:

type: array

items:

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

InterfaceUpfInfoItem:

type: object

properties:

interfaceType:

type: string

enum:

- N3

- N6

- N9

- DATA\_FORWARDING

- N3MB

- N6MB

- N19MB

- NMB9

ipv4EndpointAddresses:

type: array

items:

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

minItems: 1

ipv6EndpointAddresses:

type: array

items:

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

minItems: 1

fqdn:

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

networkInstance:

type: string

AtsssCapability:

type: object

properties:

atsssLL:

type: boolean

mptcp:

type: boolean

rttWithoutPmf:

type: boolean

IpInterface:

type: object

properties:

ipv4EndpointAddresses:

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

ipv6EndpointAddresses:

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

fqdn:

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

Ipv4AddressRange:

description: Range of IPv4 addresses

type: object

properties:

start:

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

end:

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

Ipv6PrefixRange:

description: Range of IPv6 prefixes

type: object

properties:

start:

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

end:

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

Nid:

type: string

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

PlmnIdNid:

type: object

properties:

mcc:

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

mnc:

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

nid:

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

ScpCapability:

type: string

enum:

- INDIRECT\_COM\_WITH\_DELEG\_DISC

IpReachability:

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

anyOf:

- type: string

enum:

- IPV4

- IPV6

- IPV4V6

- type: string

ScpDomainInfo:

description: SCP Domain specific information

type: object

properties:

scpFqdn:

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

scpIpEndPoints:

type: array

items:

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

minItems: 1

scpPrefix:

type: string

scpPorts:

description: >

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

type: object

additionalProperties:

type: integer

minimum: 0

maximum: 65535

minProperties: 1

SeppInfo:

description: Information of a SEPP Instance

type: object

properties:

seppPrefix:

type: string

seppPorts:

description: >

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

type: object

additionalProperties:

type: integer

minimum: 0

maximum: 65535

minProperties: 1

remotePlmnList:

type: array

items:

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

minItems: 1

remoteSnpnList:

type: array

items:

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

minItems: 1

UdsfInfo:

description: Information related to UDSF

type: object

properties:

groupId:

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

supiRanges:

type: array

items:

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

minItems: 1

storageIdRanges:

description: >

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

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

type: object

additionalProperties:

type: array

items:

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

minItems: 1

minProperties: 1

NsacfCapability:

description: >

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

or established PDU sessions per network slice)

type: object

properties:

supportUeSAC:

description: |

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

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

true: Supported

false (default): Not Supported

type: boolean

default: false

supportPduSAC:

description: |

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

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

true: Supported

false (default): Not Supported

type: boolean

default: false

NsacfInfo:

description: Information of a NSACF NF Instance

type: object

required:

- nsacfCapability

properties:

nsacfCapability:

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

taiList:

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

taiRangeList:

type: array

items:

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

minItems: 1

NwdafCapability:

description: Indicates the capability supported by the NWDAF

type: object

properties:

analyticsAggregation:

type: boolean

default: false

analyticsMetadataProvisioning:

type: boolean

default: false

MlAnalyticsInfo:

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

type: object

properties:

mlAnalyticsIds:

type: array

items:

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

minItems: 1

snssaiList:

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

trackingAreaList:

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

mlModelInterInfo:

type: array

items:

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

minItems: 0

flCapabilityType:

type: string

enum:

- FL\_SERVER

- FL\_CLIENT

- FL\_SERVER\_AND\_CLIENT

flTimeInterval:

type: array

items:

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

minItems: 1

NwdafInfo:

description: Information of a NWDAF NF Instance

type: object

properties:

eventIds:

type: array

items:

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

minItems: 1

nwdafEvents:

type: array

items:

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

minItems: 1

taiList:

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

taiRangeList:

type: array

items:

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

minItems: 1

nwdafCapability:

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

analyticsDelay:

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

servingNfSetIdList:

type: array

items:

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

minItems: 1

servingNfTypeList:

type: array

items:

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

minItems: 1

mlAnalyticsList:

type: array

items:

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

minItems: 1

ScpInfo:

description: Information of an SCP Instance

type: object

properties:

scpDomainInfoList:

description: >

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

identifying an SCP domain

type: object

additionalProperties:

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

minProperties: 1

scpPrefix:

type: string

scpPorts:

description: >

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

type: object

additionalProperties:

type: integer

minimum: 0

maximum: 65535

minProperties: 1

addressDomains:

type: array

items:

type: string

minItems: 1

ipv4Addresses:

type: array

items:

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

minItems: 1

ipv6Prefixes:

type: array

items:

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

minItems: 1

ipv4AddrRanges:

type: array

items:

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

minItems: 1

ipv6PrefixRanges:

type: array

items:

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

minItems: 1

servedNfSetIdList:

type: array

items:

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

minItems: 1

remotePlmnList:

type: array

items:

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

minItems: 1

remoteSnpnList:

type: array

items:

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

minItems: 1

ipReachability:

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

scpCapabilities:

type: array

items:

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

PfdData:

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

type: object

properties:

appIds:

type: array

items:

type: string

minItems: 1

afIds:

type: array

items:

type: string

minItems: 1

AfEvent:

description: Represents Application Events.

anyOf:

- type: string

enum:

- SVC\_EXPERIENCE

- UE\_MOBILITY

- UE\_COMM

- EXCEPTIONS

- USER\_DATA\_CONGESTION

- PERF\_DATA

- DISPERSION

- COLLECTIVE\_BEHAVIOUR

- MS\_QOE\_METRICS

- MS\_CONSUMPTION

- MS\_NET\_ASSIST\_INVOCATION

- MS\_DYN\_POLICY\_INVOCATION

- MS\_ACCESS\_ACTIVITY

- type: string

description: >

This string provides forward-compatibility with future extensions to the enumeration but

is not used to encode content defined in the present version of this API.

AfEventExposureData:

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

type: object

required:

- afEvents

properties:

afEvents:

type: array

items:

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

minItems: 1

afIds:

type: array

items:

type: string

minItems: 1

appIds:

type: array

items:

type: string

minItems: 1

UnTrustAfInfo:

description: Information of a untrusted AF Instance

type: object

required:

- afId

properties:

afId:

type: string

sNssaiInfoList:

type: array

items:

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

minItems: 1

mappingInd:

type: boolean

default: false

SnssaiInfoItem:

description: >

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

for a given S-NSSAI

type: object

required:

- sNssai

- dnnInfoList

properties:

sNssai:

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

dnnInfoList:

type: array

items:

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

minItems: 1

DnnInfoItem:

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

type: object

required:

- dnn

properties:

dnn:

anyOf:

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

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

EasdfInfo:

description: Information of an EASDF NF Instance

type: object

properties:

sNssaiEasdfInfoList:

type: array

items:

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

minItems: 1

easdfN6IpAddressList:

type: array

items:

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

minItems: 1

upfN6IpAddressList:

type: array

items:

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

minItems: 1

SnssaiEasdfInfoItem:

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

type: object

required:

- sNssai

- dnnEasdfInfoList

properties:

sNssai:

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

dnnEasdfInfoList:

type: array

items:

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

minItems: 1

DnnEasdfInfoItem:

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

type: object

required:

- dnn

properties:

dnn:

anyOf:

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

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

dnaiList:

type: array

items:

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

minItems: 1

NssaafInfo:

description: Information of a NSSAAF Instance

type: object

properties:

supiRanges:

type: array

items:

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

minItems: 1

internalGroupIdentifiersRanges:

type: array

items:

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

minItems: 1

TrustAfInfo:

description: Information of a trusted AF Instance

type: object

properties:

sNssaiInfoList:

type: array

items:

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

minItems: 1

afEvents:

type: array

items:

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

minItems: 1

appIds:

type: array

items:

type: string

minItems: 1

internalGroupId:

type: array

items:

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

minItems: 1

mappingInd:

type: boolean

default: False

ExternalClientType:

description: Indicates types of External Clients.

anyOf:

- type: string

enum:

- EMERGENCY\_SERVICES

- VALUE\_ADDED\_SERVICES

- PLMN\_OPERATOR\_SERVICES

- LAWFUL\_INTERCEPT\_SERVICES

- PLMN\_OPERATOR\_BROADCAST\_SERVICES

- PLMN\_OPERATOR\_OM

- PLMN\_OPERATOR\_ANONYMOUS\_STATISTICS

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

- type: string

SupportedGADShapes:

description: Indicates supported GAD shapes.

anyOf:

- type: string

enum:

- POINT

- POINT\_UNCERTAINTY\_CIRCLE

- POINT\_UNCERTAINTY\_ELLIPSE

- POLYGON

- POINT\_ALTITUDE

- POINT\_ALTITUDE\_UNCERTAINTY

- ELLIPSOID\_ARC

- LOCAL\_2D\_POINT\_UNCERTAINTY\_ELLIPSE

- LOCAL\_3D\_POINT\_UNCERTAINTY\_ELLIPSOID

- type: string

AnNodeType:

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

anyOf:

- type: string

enum:

- GNB

- NG\_ENB

- type: string

TrpMappingInfo:

type: object

properties:

satelliteId:

type: string

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

trpIds:

type: array

items:

type: integer

minimum: 1

maximum: 65535

TrpInfo:

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

type: object

properties:

gNBId:

type: integer

minimum: 0

maximum: 4294967295

trpMappingInfoList:

type: array

items:

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

minItems: 1

TrpInfoList:

type: array

items:

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

LmfInfo:

description: Information of an LMF NF Instance

type: object

properties:

servingClientTypes:

type: array

items:

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

minItems: 1

lmfId:

type: string

servingAccessTypes:

type: array

items:

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

minItems: 1

servingAnNodeTypes:

type: array

items:

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

minItems: 1

servingRatTypes:

type: array

items:

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

minItems: 1

taiList:

type: array

items:

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

minItems: 1

taiRangeList:

type: array

items:

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

minItems: 1

supportedGADShapes:

type: array

items:

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

minItems: 1

UdrInfo:

description: Information of an UDR NF Instance

type: object

properties:

groupId:

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

supiRanges:

type: array

items:

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

minItems: 1

gpsiRanges:

type: array

items:

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

minItems: 1

externalGroupIdentifiersRanges:

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

supportedDataSets:

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

sharedDataIdRanges:

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

UdmInfo:

description: Information of an UDM NF Instance

type: object

properties:

groupId:

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

supiRanges:

type: array

items:

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

minItems: 1

gpsiRanges:

type: array

items:

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

minItems: 1

externalGroupIdentifiersRanges:

type: array

items:

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

minItems: 1

routingIndicators:

type: array

items:

type: string

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

minItems: 1

internalGroupIdentifiersRanges:

type: array

items:

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

minItems: 1

suciInfos:

type: array

items:

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

minItems: 1

PlmnRange:

description: Range of PLMN IDs

type: object

oneOf:

- required: [ start, end ]

- required: [ pattern ]

properties:

start:

type: string

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

end:

type: string

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

pattern:

type: string

SmsfInfo:

description: Specific Data for SMSF

type: object

properties:

roamingUeInd:

type: boolean

remotePlmnRangeList:

type: array

items:

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

minItems: 1

DccfInfo:

description: Specific Data for DCCF

type: object

properties:

servingNfTypeList:

type: array

items:

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

minItems: 1

servingNfSetIdList:

type: array

items:

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

minItems: 1

taiList:

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

taiRangeList:

type: array

items:

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

minItems: 1

MfafInfo:

description: Information of a MFAF NF Instance

type: object

properties:

servingNfTypeList:

type: array

items:

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

servingNfSetIdList:

type: array

items:

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

taiList:

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

taiRangeList:

type: array

items:

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

ChfInfo:

description: Information of a CHF NF Instance

type: object

not:

required: [ primaryChfInstance, secondaryChfInstance ]

properties:

supiRangeList:

type: array

items:

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

minItems: 0

gpsiRangeList:

type: array

items:

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

minItems: 0

plmnRangeList:

type: array

items:

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

minItems: 0

groupId:

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

primaryChfInstance:

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

secondaryChfInstance:

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

N2InterfaceAmfInfo:

description: AMF N2 interface information

type: object

anyOf:

- required: [ ipv4EndpointAddress ]

- required: [ ipv6EndpointAddress ]

properties:

ipv4EndpointAddress:

type: array

items:

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

minItems: 1

ipv6EndpointAddress:

type: array

items:

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

minItems: 1

amfName:

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

AmfInfo:

description: Information of an AMF NF Instance

type: object

required:

- amfSetId

- amfRegionId

- guamiList

properties:

amfSetId:

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

amfRegionId:

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

guamiList:

type: array

items:

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

minItems: 1

taiList:

type: array

items:

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

minItems: 1

taiRangeList:

type: array

items:

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

minItems: 1

backupInfoAmfFailure:

type: array

items:

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

minItems: 1

backupInfoAmfRemoval:

type: array

items:

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

minItems: 1

n2InterfaceAmfInfo:

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

amfOnboardingCapability:

type: boolean

default: false

highLatencyCom:

type: boolean

SmfInfo:

description: Information of an SMF NF Instance

type: object

required:

- sNssaiSmfInfoList

properties:

sNssaiSmfInfoList:

type: array

items:

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

minItems: 1

taiList:

type: array

items:

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

minItems: 1

taiRangeList:

type: array

items:

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

minItems: 1

pgwFqdn:

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

pgwIpAddrList:

type: array

items:

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

minItems: 1

accessType:

type: array

items:

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

minItems: 1

priority:

type: integer

minimum: 0

maximum: 65535

vsmfSupportInd:

type: boolean

pgwFqdnList:

type: array

items:

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

minItems: 1

smfOnboardingCapability:

type: boolean

default: false

deprecated: true

ismfSupportInd:

type: boolean

smfUPRPCapability:

type: boolean

default: false

UpfInfo:

description: Information of an UPF NF Instance

type: object

required:

- sNssaiUpfInfoList

properties:

sNssaiUpfInfoList:

type: array

items:

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

minItems: 1

smfServingArea:

type: array

items:

type: string

minItems: 1

interfaceUpfInfoList:

type: array

items:

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

minItems: 1

iwkEpsInd:

type: boolean

default: false

sxaInd:

type: boolean

pduSessionTypes:

type: array

items:

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

minItems: 1

atsssCapability:

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

ueIpAddrInd:

type: boolean

default: false

taiList:

type: array

items:

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

minItems: 1

taiRangeList:

type: array

items:

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

minItems: 1

wAgfInfo:

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

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

tngfInfo:

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

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

twifInfo:

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

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

priority:

type: integer

minimum: 0

maximum: 65535

redundantGtpu:

type: boolean

default: false

ipups:

type: boolean

default: false

dataForwarding:

type: boolean

default: false

supportedPfcpFeatures:

type: string

# upfEvents:

# type: array

# items:

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

# minItems: 1

PcfInfo:

description: Information of a PCF NF Instance

type: object

properties:

groupId:

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

dnnList:

type: array

items:

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

minItems: 1

supiRanges:

type: array

items:

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

minItems: 1

gpsiRanges:

type: array

items:

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

minItems: 1

rxDiamHost:

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

rxDiamRealm:

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

v2xSupportInd:

type: boolean

default: false

proseSupportInd:

type: boolean

default: false

proseCapability:

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

v2xCapability:

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

a2xSupportInd:

type: boolean

default: false

a2xCapability:

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

rangingSlPosSupportInd:

type: boolean

default: false

A2xCapability:

description: Information of the supported A2X Capability by the PCF

type: object

properties:

lteA2x:

type: boolean

default: false

nrA2x:

type: boolean

default: false

NefInfo:

description: Information of an NEF NF Instance

type: object

properties:

nefId:

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

type: string

pfdData:

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

afEeData:

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

gpsiRanges:

type: array

items:

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

minItems: 1

externalGroupIdentifiersRanges:

type: array

items:

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

minItems: 1

servedFqdnList:

type: array

items:

type: string

minItems: 1

taiList:

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

taiRangeList:

type: array

items:

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

minItems: 1

dnaiList:

type: array

items:

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

minItems: 1

unTrustAfInfoList:

type: array

items:

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

minItems: 1

uasNfFunctionalityInd:

type: boolean

default: false

multiMemAfSessQosInd:

type: boolean

default: false

memberUESelAssistInd:

type: boolean

default: false

NrfInfo:

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

type: object

properties:

servedUdrInfo:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedUdrInfoList:

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

type: object

additionalProperties:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

minProperties: 1

servedUdmInfo:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedUdmInfoList:

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

type: object

additionalProperties:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

minProperties: 1

servedAusfInfo:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedAusfInfoList:

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

type: object

additionalProperties:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

minProperties: 1

servedAmfInfo:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedAmfInfoList:

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

type: object

additionalProperties:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

minProperties: 1

servedSmfInfo:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedSmfInfoList:

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

type: object

additionalProperties:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

minProperties: 1

servedUpfInfo:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedUpfInfoList:

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

type: object

additionalProperties:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

minProperties: 1

servedPcfInfo:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedPcfInfoList:

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

type: object

additionalProperties:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

minProperties: 1

servedBsfInfo:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedBsfInfoList:

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

type: object

additionalProperties:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

minProperties: 1

servedChfInfo:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedChfInfoList:

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

type: object

additionalProperties:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

minProperties: 1

servedNefInfo:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedNwdafInfo:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedNwdafInfoList:

type: object

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

additionalProperties:

type: object

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

additionalProperties:

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

minProperties: 1

minProperties: 1

servedPcscfInfoList:

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

type: object

additionalProperties:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

minProperties: 1

servedGmlcInfo:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedLmfInfo:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedNfInfo:

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

type: object

additionalProperties:

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

minProperties: 1

servedHssInfoList:

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

type: object

additionalProperties:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

minProperties: 1

servedUdsfInfo:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedUdsfInfoList:

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

type: object

additionalProperties:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

minProperties: 1

servedScpInfoList:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedSeppInfoList:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

servedAanfInfoList:

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

type: object

additionalProperties:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

served5gDdnmfInfo:

type: object

additionalProperties:

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

minProperties: 1

servedMfafInfoList:

type: object

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

additionalProperties:

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

minProperties: 1

servedEasdfInfoList:

type: object

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

additionalProperties:

type: object

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

additionalProperties:

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

minProperties: 1

servedDccfInfoList:

type: object

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

additionalProperties:

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

minProperties: 1

servedMbSmfInfoList:

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

type: object

additionalProperties:

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

type: object

additionalProperties:

anyOf:

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

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

minProperties: 1

minProperties: 1

servedTsctsfInfoList:

type: object

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

additionalProperties:

type: object

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

additionalProperties:

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

minProperties: 1

minProperties: 1

servedMbUpfInfoList:

type: object

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

additionalProperties:

type: object

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

additionalProperties:

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

minProperties: 1

minProperties: 1

servedTrustAfInfo:

type: object

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

additionalProperties:

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

minProperties: 1

servedNssaafInfo:

type: object

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

additionalProperties:

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

minProperties: 1

SatelliteBackhaulInfo:

description: defines the list of satellite backhaul information

type: object

properties:

globalRanNodeID:

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

SatelliteBackhaulCategory:

anyOf:

- type: string

enum:

- GEO

- MEO

- LEO

- OTHER\_SAT

- DYNAMIC\_GEO

- DYNAMIC\_MEO

- DYNAMIC\_LEO

- DYNAMIC\_OTHER\_SAT

- NON\_SATELLITE

- type: string

geoSatelliteId:

type: string

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

GlobalRanNodeID:

description: globally identification of an NG-RAN node

type: object

oneOf:

- required: [ pLmnId, n3IwfId]

- required: [ plmnId, gNbId]

- required: [ pLmnId, ngeNbId]

- required: [ plmnId, wagfId]

- required: [ pLmnId, tngfId]

- required: [ plmnId, twifId]

properties:

pLmnId:

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

n3IwfId:

type: string

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

gNbId:

type: integer

minimum: 0

maximum: 4294967295

ngeNbId:

type: string

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

wagfId:

type: string

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

tngfId:

type: string

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

twifId:

type: string

NTNPLMNRestrictionsInfo:

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

type: object

properties:

pLMNId:

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

blockedLocationInfoList:

type: array

items:

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

minItems: 1

BlockedLocationInfoList:

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

type: object

properties:

blockedLocation:

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

blockedDur:

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

blockedSlice:

type: string

TimeDuration:

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

type: object

properties:

blockedDurStartTime:

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

blockedDurEndTime:

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

5GDdnmfInfo:

description: Information of an 5G DDNMF NF Instance

type: object

required:

- plmnId

properties:

plmnId:

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

ImsiRange:

description: >

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

or based on regular-expression matching

type: object

oneOf:

- required: [ start, end ]

- required: [ pattern ]

properties:

start:

type: string

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

end:

type: string

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

pattern:

type: string

NetworkNodeDiameterAddress:

description: >

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

whenever smsf supports Diameter protocol.

type: object

required:

- name

- realm

properties:

name:

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

realm:

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

HssInfo:

description: Information of an HSS NF Instance

type: object

properties:

groupId:

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

imsiRanges:

type: array

items:

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

minItems: 1

imsPrivateIdentityRanges:

type: array

items:

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

minItems: 1

imsPublicIdentityRanges:

type: array

items:

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

minItems: 1

msisdnRanges:

type: array

items:

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

minItems: 1

externalGroupIdentifiersRanges:

type: array

items:

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

minItems: 1

hssDiameterAddress:

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

additionalDiamAddresses:

type: array

items:

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

minItems: 1

GmlcInfo:

description: Information of a GMLC NF Instance

type: object

properties:

servingClientTypes:

type: array

items:

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

gmlcNumbers:

type: array

items:

type: string

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

SnssaiTsctsfInfoItem:

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

type: object

required:

- sNssai

- dnnInfoList

properties:

sNssai:

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

dnnInfoList:

type: array

items:

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

minItems: 1

DnnTsctsfInfoItem:

description: Parameters supported by an TSCTSF for a given DNN

type: object

required:

- dnn

properties:

dnn:

anyOf:

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

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

TsctsfInfo:

description: Information of a TSCTSF NF Instance

type: object

properties:

sNssaiInfoList:

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

additionalProperties:

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

minProperties: 0

externalGroupIdentifiersRanges:

type: array

items:

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

supiRanges:

type: array

items:

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

gpsiRanges:

type: array

items:

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

internalGroupIdentifiersRanges:

type: array

items:

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

BsfInfo:

description: Information of a BSF NF Instance

type: object

properties:

dnnList:

type: array

items:

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

minItems: 0

ipDomainList:

type: array

items:

type: string

minItems: 0

ipv4AddressRanges:

type: array

items:

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

minItems: 0

ipv6PrefixRanges:

type: array

items:

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

minItems: 0

rxDiamHost:

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

rxDiamRealm:

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

groupId:

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

supiRanges:

type: array

items:

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

minItems: 0

gpsiRanges:

type: array

items:

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

minItems: 0

MbSmfInfo:

description: Information of an MB-SMF NF Instance

type: object

properties:

sNssaiInfoList:

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

additionalProperties:

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

minProperties: 1

tmgiRangeList:

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

additionalProperties:

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

minProperties: 1

taiList:

type: array

items:

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

minItems: 1

taiRangeList:

type: array

items:

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

minItems: 1

mbsSessionList:

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

additionalProperties:

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

minProperties: 1

TmgiRange:

description: Range of TMGIs

type: object

required:

- mbsServiceIdStart

- mbsServiceIdEnd

- plmnId

properties:

mbsServiceIdStart:

type: string

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

mbsServiceIdEnd:

type: string

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

plmnId:

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

nid:

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

MbsSession:

description: MBS Session currently served by an MB-SMF

type: object

required:

- mbsSessionId

properties:

mbsSessionId:

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

mbsAreaSessions:

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

additionalProperties:

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

minProperties: 1

MbsServiceAreaInfo:

description: MBS Service Area Information for location dependent MBS session

type: object

properties:

areaSessionId:

type: integer

minimum: 0

maximum: 65535

mbsServiceArea:

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

required:

- areaSessionId

- mbsServiceArea

MbsSessionId:

description: MBS Session Identifier

type: object

properties:

tmgi:

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

ssm:

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

nid:

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

anyOf:

- required: [ tmgi ]

- required: [ ssm ]

Tmgi:

description: Temporary Mobile Group Identity

type: object

properties:

mbsServiceId:

type: string

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

description: MBS Service ID

plmnId:

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

required:

- mbsServiceId

- plmnId

Ssm:

description: Source specific IP multicast address

type: object

properties:

sourceIpAddr:

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

destIpAddr:

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

required:

- sourceIpAddr

- destIpAddr

MbsServiceArea:

description: MBS Service Area

type: object

properties:

ncgiList:

type: array

items:

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

minItems: 1

description: List of NR cell Ids

taiList:

type: array

items:

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

minItems: 1

description: List of tracking area Ids

anyOf:

- required: [ ncgiList ]

- required: [ taiList ]

NcgiTai:

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

type: object

properties:

tai:

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

cellList:

type: array

items:

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

minItems: 1

description: List of List of NR cell ids

required:

- tai

- cellList

Ncgi:

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

type: object

properties:

plmnId:

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

nrCellId:

type: string

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

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

nid:

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

required:

- plmnId

- nrCellId

SnssaiMbSmfInfoItem:

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

type: object

required:

- sNssai

- dnnInfoList

properties:

sNssai:

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

dnnInfoList:

type: array

items:

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

minItems: 1

DnnMbSmfInfoItem:

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

type: object

required:

- dnn

properties:

dnn:

anyOf:

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

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

AanfInfo:

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

type: object

properties:

routingIndicators:

type: array

items:

type: string

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

MbUpfInfo:

description: Information of an MB-UPF NF Instance

type: object

required:

- sNssaiMbUpfInfoList

properties:

sNssaiMbUpfInfoList:

type: array

items:

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

minItems: 1

mbSmfServingArea:

type: array

items:

type: string

minItems: 1

interfaceMbUpfInfoList:

type: array

items:

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

minItems: 1

taiList:

type: array

items:

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

minItems: 1

taiRangeList:

type: array

items:

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

minItems: 1

priority:

type: integer

minimum: 0

maximum: 65535

supportedPfcpFeatures:

type: string

SnssaiUpfInfoItem:

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

type: object

required:

- sNssai

- dnnUpfInfoList

properties:

sNssai:

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

dnnUpfInfoList:

type: array

items:

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

minItems: 1

redundantTransport:

type: boolean

default: false

IpIndex:

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

anyOf:

- type: integer

- type: string

DnnUpfInfoItem:

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

type: object

required:

- dnn

properties:

dnn:

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

dnaiList:

type: array

items:

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

minItems: 1

pduSessionTypes:

type: array

items:

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

minItems: 1

ipv4AddressRanges:

type: array

items:

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

minItems: 1

ipv6PrefixRanges:

type: array

items:

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

minItems: 1

natedIpv4AddressRanges:

type: array

items:

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

minItems: 1

natedIpv6PrefixRanges:

type: array

items:

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

minItems: 1

ipv4IndexList:

type: array

items:

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

minItems: 1

ipv6IndexList:

type: array

items:

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

minItems: 1

networkInstance:

description: >

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

type: string

dnaiNwInstanceList:

description: >

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

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

that is configured for the DNAI indicated by the key.

type: object

additionalProperties:

type: string

minProperties: 1

not:

required: [ networkInstance, dnaiNwInstanceList ]

MnpfInfo:

description: Information of an MNPF Instance

type: object

properties:

msisdnRanges:

type: array

items:

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

minItems: 1

required:

- msisdnRanges

SliceExpiryInfo :

description: Slice validity

type: object

properties:

pLMNInfo:

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

expiryTime:

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

PcscfInfo:

description: Information of a P-CSCF NF Instance

type: object

properties:

accessType:

type: array

items:

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

minItems: 1

dnnList:

type: array

items:

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

minItems: 1

gmFqdn:

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

gmIpv4Addresses:

type: array

items:

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

minItems: 1

gmIpv6Addresses:

type: array

items:

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

minItems: 1

mwFqdn:

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

mwIpv4Addresses:

type: array

items:

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

minItems: 1

mwIpv6Addresses:

type: array

items:

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

minItems: 1

servedIpv4AddressRanges:

type: array

items:

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

minItems: 1

servedIpv6PrefixRanges:

type: array

items:

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

minItems: 1

NfInfo:

description: Information of a generic NF Instance

type: object

properties:

nfType:

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

SAP:

type: object

properties:

host:

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

port:

type: integer

NFServiceType:

type: string

enum:

- NAMF\_COMMUNICATION

- NAMF\_EVENTEXPOSURE

- NAMF\_MT

- NAMF\_LOCATION

- NSMF\_PDUSESSION

- NSMF\_EVENTEXPOSURE

- OTHERS

Operation:

type: object

properties:

name:

type: string

allowedNFTypes:

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

operationSemantics:

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

NFType:

type: string

description: ' NF name defined in TS 23.501 or TS 29.510'

enum:

- NRF

- UDM

- AMF

- SMF

- AUSF

- NEF

- PCF

- SMSF

- NSSF

- UDR

- LMF

- GMLC

- 5G\_EIR

- SEPP

- UPF

- N3IWF

- AF

- UDSF

- DN

- BSF

- CHF

- NWDAF

- PCSCF

- CBCF

- HSS

- UCMF

- SOR\_AF

- SPAF

- MME

- SCSAS

- SCEF

- SCP

- NSSAAF

- ICSCF

- SCSCF

- DRA

- IMS\_AS

- AANF

- 5G\_DDNMF

- NSACF

- MFAF

- EASDF

- DCCF

- MB\_SMF

- TSCTSF

- ADRF

- GBA\_BSF

- CEF

- MB\_UPF

- NSWOF

- PKMF

- MNPF

- SMS\_GMSC

- SMS\_IWMSC

- MBSF

- MBSTF

- PANF

- TNGF

- W\_AGF

- TWIF

- TSN\_AF

OperationSemantics:

type: string

enum:

- REQUEST\_RESPONSE

- SUBSCRIBE\_NOTIFY

RegistrationState:

type: string

enum:

- REGISTERED

- DEREGISTERED

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

SubNetwork-ncO-5GcNrm:

type: object

properties:

ExternalAmfFunction:

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

ExternalNrfFunction:

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

ExternalNssfFunction:

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

AmfSet:

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

AmfRegion:

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

Configurable5QISet:

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

Dynamic5QISet:

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

EcmConnectionInfo:

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

ManagedElement-ncO-5GcNrm:

type: object

properties:

AmfFunction:

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

SmfFunction:

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

UpfFunction:

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

N3iwfFunction:

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

PcfFunction:

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

AusfFunction:

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

UdmFunction:

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

UdrFunction:

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

UdsfFunction:

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

NrfFunction:

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

NssfFunction:

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

SmsfFunction:

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

LmfFunction:

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

NgeirFunction:

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

SeppFunction:

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

NwdafFunction:

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

ScpFunction:

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

NefFunction:

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

Configurable5QISet:

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

Dynamic5QISet:

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

EcmConnectionInfo:

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

EASDFFunction:

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

NSSAAFFunction:

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

AFFunction:

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

DCCFFunction:

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

ChfFunction:

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

MFAFFunction:

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

GMLCFunction:

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

TSCTSFFunction:

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

AANFFunction:

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

BSFFunction:

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

MBSMFFunction:

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

MBUPFFunction:

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

MNPFFunction:

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

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

AmfFunction-Single:

allOf:

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

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

pLMNInfoList:

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

amfIdentifier:

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

sBIFqdn:

type: string

interPlmnFQDN:

type: string

weightFactor:

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

cNSIIdList:

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

amfSetRef:

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

managedNFProfile:

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

commModelList:

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

nTNPLMNInfoList:

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

amfInfo:

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

sliceExpiryInfo:

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

SatelliteBackhaulInfoList:

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

mappedCellIdInfoList:

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

mdtUserConsentReqList:

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

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

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

- type: object

properties:

EP\_N2:

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

EP\_N8:

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

EP\_N11:

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

EP\_N12:

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

EP\_N14:

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

EP\_N15:

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

EP\_N17:

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

EP\_N20:

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

EP\_N22:

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

EP\_N26:

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

EP\_NLS:

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

EP\_NL2:

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

EP\_N58:

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

EP\_N41:

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

EP\_N42:

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

EP\_N89:

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

EP\_N11mb:

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

AmfSet-Single:

allOf:

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

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

plmnIdList:

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

nRTACList:

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

amfSetId:

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

snssaiList:

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

aMFRegionRef:

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

aMFSetMemberList:

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

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

AmfRegion-Single:

allOf:

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

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

plmnIdList:

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

nRTACList:

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

amfRegionId:

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

snssaiList:

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

aMFSetListRef:

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

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

SmfFunction-Single:

allOf:

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

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

pLMNInfoList:

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

nRTACList:

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

sBIFqdn:

type: string

cNSIIdList:

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

managedNFProfile:

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

commModelList:

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

SmfInfo:

type: array

items:

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

configurable5QISetRef:

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

dynamic5QISetRef:

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

dnaiSatelliteMappingList:

type: array

items:

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

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

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

- type: object

properties:

EP\_N4:

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

EP\_N7:

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

EP\_N10:

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

EP\_N11:

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

EP\_N16:

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

EP\_S5C:

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

EP\_N40:

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

EP\_N88:

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

EP\_N16mb:

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

FiveQiDscpMappingSet:

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

GtpUPathQoSMonitoringControl:

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

QFQoSMonitoringControl:

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

PredefinedPccRuleSet:

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

UpfFunction-Single:

allOf:

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

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

pLMNInfoList:

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

nRTACList:

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

cNSIIdList:

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

energySavingControl:

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

energySavingState:

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

managedNFProfile:

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

supportedBMOList:

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

upfInfo:

type: array

items:

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

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

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

- type: object

properties:

EP\_N3:

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

EP\_N4:

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

EP\_N6:

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

EP\_N9:

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

EP\_S5U:

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

N3iwfFunction-Single:

allOf:

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

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

plmnIdList:

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

commModelList:

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

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

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

- type: object

properties:

EP\_N3:

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

EP\_N4:

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

PcfFunction-Single:

allOf:

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

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

pLMNInfoList:

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

sBIFqdn:

type: string

managedNFProfile:

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

commModelList:

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

supportedBMOList:

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

PcfInfo:

type: array

items:

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

configurable5QISetRef:

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

dynamic5QISetRef:

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

predefinedPccRuleSetRefs:

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

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

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

- type: object

properties:

EP\_N5:

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

EP\_N7:

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

EP\_N15:

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

EP\_N16:

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

EP\_N28:

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

EP\_Rx:

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

EP\_N84:

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

AusfFunction-Single:

allOf:

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

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

plmnInfoList:

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

sBIFqdn:

type: string

managedNFProfile:

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

commModelList:

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

ausfInfo:

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

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

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

- type: object

properties:

EP\_N12:

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

EP\_N13:

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

EP\_N61:

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

UdmFunction-Single:

allOf:

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

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

pLMNInfoList:

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

sBIFqdn:

type: string

managedNFProfile:

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

commModelList:

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

eCSAddrConfigInfo:

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

udmInfo:

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

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

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

- type: object

properties:

EP\_N8:

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

EP\_N10:

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

EP\_N13:

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

EP\_N59:

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

EP\_NL6:

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

EP\_N87:

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

UdrFunction-Single:

allOf:

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

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

pLMNInfoList:

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

sBIFqdn:

type: string

managedNFProfile:

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

udrInfo:

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

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

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

UdsfFunction-Single:

allOf:

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

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

plmnInfoList:

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

sBIFqdn:

type: string

managedNFProfile:

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

udsfInfo:

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

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

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

NrfFunction-Single:

allOf:

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

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

plmnInfoList:

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

sBIFqdn:

type: string

cNSIIdList:

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

nFProfileList:

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

nrfInfo:

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

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

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

- type: object

properties:

EP\_N27:

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

EP\_N96:

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

EP\_SM14:

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

NssfFunction-Single:

allOf:

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

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

pLMNInfoList:

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

sBIFqdn:

type: string

cNSIIdList:

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

managedNFProfile:

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

commModelList:

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

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

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

- type: object

properties:

EP\_N22:

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

EP\_N31:

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

EP\_N34:

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

SmsfFunction-Single:

allOf:

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

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

plmnIdList:

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

sBIFqdn:

type: string

managedNFProfile:

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

commModelList:

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

smsfInfo:

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

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

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

- type: object

properties:

EP\_N20:

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

EP\_N21:

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

EP\_MAP\_SMSC:

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

LmfFunction-Single:

allOf:

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

- type: object

properties:

attributes:

allOf:

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

- type: object

properties:

plmnIdList:

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

managedNFProfile:

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

commModelList:

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

lmfInfo:

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

ephemerisInfos:

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

trpInfoList:

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

mappedCellIdInfoList:

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

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

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

- type: object

properties:

EP\_NLS:

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

EP\_NL8:

$ref: '#/components/schemas/EP\_NL8-Multiple'

EP\_NL7:

$ref: '#/components/schemas/EP\_NL7-Multiple'

EP\_NL10:

$ref: '#/components/schemas/EP\_NL10-Multiple'

NgeirFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnIdList'

sBIFqdn:

type: string

snssaiList:

$ref: '#/components/schemas/SnssaiList'

managedNFProfile:

$ref: '#/components/schemas/ManagedNFProfile'

commModelList:

$ref: '#/components/schemas/CommModelList'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N17:

$ref: '#/components/schemas/EP\_N17-Multiple'

SeppFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnId:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/PlmnId'

sEPPType:

$ref: '#/components/schemas/SEPPType'

sEPPId:

type: integer

fqdn:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Fqdn'

seppInfo:

$ref: '#/components/schemas/SeppInfo'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N32:

$ref: '#/components/schemas/EP\_N32-Multiple'

NwdafFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnIdList'

sBIFqdn:

type: string

snssaiList:

$ref: '#/components/schemas/SnssaiList'

managedNFProfile:

$ref: '#/components/schemas/ManagedNFProfile'

commModelList:

$ref: '#/components/schemas/CommModelList'

networkSliceInfoList:

$ref: '#/components/schemas/NetworkSliceInfoList'

administrativeState:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/AdministrativeState'

nwdafInfo:

$ref: '#/components/schemas/NwdafInfo'

nwdafLogicalFuncSupported:

type: string

enum:

- NWDAF\_WITH\_ANLF

- NWDAF\_WITH\_MTLF

- NWDAF\_WITH\_ANLF\_MTLF

- type: object

properties:

EP\_NL3:

$ref: '#/components/schemas/EP\_NL3-Multiple'

EP\_N34:

$ref: '#/components/schemas/EP\_N34-Multiple'

AnLFFunction:

$ref: '#/components/schemas/AnLFFunction-Single'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

ScpFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

supportedFuncList:

$ref: '#/components/schemas/SupportedFuncList'

address:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/HostAddr'

scpInfo:

$ref: '#/components/schemas/ScpInfo'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_SM13:

$ref: '#/components/schemas/EP\_SM13-Multiple'

NefFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

sBIFqdn:

type: string

snssaiList:

$ref: '#/components/schemas/SnssaiList'

managedNFProfile:

$ref: '#/components/schemas/ManagedNFProfile'

capabilityList:

$ref: '#/components/schemas/CapabilityList'

isCAPIFSup:

type: boolean

nefInfo:

$ref: '#/components/schemas/NefInfo'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N33:

$ref: '#/components/schemas/EP\_N33-Multiple'

EP\_NL5:

$ref: '#/components/schemas/EP\_NL5-Multiple'

EP\_N85:

$ref: '#/components/schemas/EP\_N85-Multiple'

EP\_N62:

$ref: '#/components/schemas/EP\_N62-Multiple'

EP\_N63:

$ref: '#/components/schemas/EP\_N63-Multiple'

NsacfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

managedNFProfile:

$ref: '#/components/schemas/ManagedNFProfile'

nsacfInfoSnssai:

type: array

items:

$ref: '#/components/schemas/NsacfInfoSnssai'

nsacfInfo:

$ref: '#/components/schemas/NsacfInfo'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N60:

$ref: '#/components/schemas/EP\_N60-Multiple'

DDNMFFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnId:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/PlmnId'

sBIFqdn:

type: string

managedNFProfile:

$ref: '#/components/schemas/ManagedNFProfile'

commModelList:

$ref: '#/components/schemas/CommModelList'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_Npc4:

$ref: '#/components/schemas/EP\_Npc4-Multiple'

EP\_Npc6:

$ref: '#/components/schemas/EP\_Npc6-Multiple'

EP\_Npc7:

$ref: '#/components/schemas/EP\_Npc7-Multiple'

EP\_Npc8:

$ref: '#/components/schemas/EP\_Npc8-Multiple'

EASDFFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnId:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/PlmnId'

sBIFqdn:

type: string

managedNFProfile:

$ref: '#/components/schemas/ManagedNFProfile'

serverAddr:

type: string

easdfInfo:

$ref: '#/components/schemas/EasdfInfo'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N88:

$ref: '#/components/schemas/EP\_N88-Multiple'

EcmConnectionInfo-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- type: object

properties:

eASServiceArea:

$ref: 'TS28538\_EdgeNrm.yaml#/components/schemas/ServingLocation'

eESServiceArea:

$ref: 'TS28538\_EdgeNrm.yaml#/components/schemas/ServingLocation'

eDNServiceArea:

$ref: 'TS28538\_EdgeNrm.yaml#/components/schemas/ServingLocation'

eASIpAddress:

type: string

eESIpAddress:

type: string

eCSIpAddress:

type: string

ednIdentifier:

type: string

ecmConnectionType:

type: string

enum:

- USERPLANE

- CONTROLPLANE

- BOTH

5GCNfConnEcmInfoList:

$ref: '#/components/schemas/5GCNfConnEcmInfoList'

uPFConnectionInfo:

$ref: '#/components/schemas/UPFConnectionInfo'

ExternalAmfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnIdList'

amfIdentifier:

$ref: '#/components/schemas/AmfIdentifier'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

ExternalNrfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnIdList'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

ExternalNssfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnIdList'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

ExternalSeppFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnId:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/PlmnId'

sEPPId:

type: integer

fqdn:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/Fqdn'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

EP\_N2-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N3-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

epTransportRefs:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/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: 'TS28623\_ComDefs.yaml#/components/schemas/PlmnId'

remoteSeppAddress:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/HostAddr'

remoteSeppId:

type: integer

n32cParas:

type: string

n32fPolicy:

type: string

withIPX:

type: boolean

EP\_N33-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N34-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_S5C-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_S5U-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_Rx-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_MAP\_SMSC-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_NLS-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_NL2-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_NL3-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_NL5-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_NL6-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_NL7-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_NL8-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_NL9-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_NL10-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N60-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_Npc4-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_Npc6-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_Npc7-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_Npc8-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N88-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

FiveQiDscpMappingSet-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- type: object

properties:

FiveQiDscpMappingList:

type: array

items:

$ref: '#/components/schemas/FiveQiDscpMapping'

FiveQICharacteristics-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

fiveQIValue:

type: integer

resourceType:

type: string

enum:

- GBR

- NON\_GBR

- DELAY\_CRITICAL\_GBR

priorityLevel:

type: integer

packetDelayBudget:

type: integer

packetErrorRate:

$ref: '#/components/schemas/PacketErrorRate'

averagingWindow:

type: integer

maximumDataBurstVolume:

type: integer

FiveQICharacteristics-Multiple:

type: array

items:

$ref: '#/components/schemas/FiveQICharacteristics-Single'

Configurable5QISet-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- type: object

properties:

configurable5QIs:

$ref: '#/components/schemas/FiveQICharacteristics-Multiple'

Dynamic5QISet-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- type: object

properties:

dynamic5QIs:

$ref: '#/components/schemas/FiveQICharacteristics-Multiple'

GtpUPathQoSMonitoringControl-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- type: object

properties:

gtpUPathQoSMonitoringState:

type: string

enum:

- ENABLED

- DISABLED

gtpUPathMonitoredSNSSAIs:

type: array

items:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/Snssai'

monitoredDSCPs:

type: array

items:

type: integer

minimum: 0

maximum: 255

isEventTriggeredGtpUPathMonitoringSupported:

type: boolean

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'

AfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnIdList'

managedNFProfile:

$ref: '#/components/schemas/ManagedNFProfile'

commModelList:

$ref: '#/components/schemas/CommModelList'

trustAfInfo:

$ref: '#/components/schemas/TrustAfInfo'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N5:

$ref: '#/components/schemas/EP\_N5-Multiple'

EP\_N86:

$ref: '#/components/schemas/EP\_N86-Multiple'

EP\_N63:

$ref: '#/components/schemas/EP\_N63-Multiple'

EP\_N62:

$ref: '#/components/schemas/EP\_N62-Multiple'

NssaafFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

pLMNInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

sBIFqdn:

type: string

cNSIIdList:

$ref: '#/components/schemas/CNSIIdList'

nFProfileList:

$ref: '#/components/schemas/NFProfileList'

commModelList:

$ref: '#/components/schemas/CommModelList'

nssafInfo:

$ref: '#/components/schemas/NssaafInfo'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

EP\_N58-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N59-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

DccfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

pLMNInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

sBIFqdn:

type: string

managedNFProfile:

$ref: '#/components/schemas/ManagedNFProfile'

commModelList:

$ref: '#/components/schemas/CommModelList'

dccfInfo:

$ref: '#/components/schemas/DccfInfo'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

MfafFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

pLMNInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

sBIFqdn:

type: string

managedNFProfile:

$ref: '#/components/schemas/ManagedNFProfile'

commModelList:

$ref: '#/components/schemas/CommModelList'

mfafInfo:

$ref: '#/components/schemas/MfafInfo'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

ChfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

pLMNInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

sBIFqdn:

type: string

managedNFProfile:

$ref: '#/components/schemas/ManagedNFProfile'

commModelList:

$ref: '#/components/schemas/CommModelList'

chfInfo:

$ref: '#/components/schemas/ChfInfo'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N28:

$ref: '#/components/schemas/EP\_N28-Multiple'

EP\_N40:

$ref: '#/components/schemas/EP\_N40-Multiple'

EP\_N41:

$ref: '#/components/schemas/EP\_N41-Multiple'

EP\_N42:

$ref: '#/components/schemas/EP\_N42-Multiple'

EP\_N28-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N40-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N41-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N42-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

AanfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

pLMNInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

sBIFqdn:

type: string

managedNFProfile:

$ref: '#/components/schemas/ManagedNFProfile'

commModelList:

$ref: '#/components/schemas/CommModelList'

aanfInfo:

$ref: '#/components/schemas/AanfInfo'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- type: object

properties:

EP\_N61:

$ref: '#/components/schemas/EP\_N61-Multiple'

EP\_N62:

$ref: '#/components/schemas/EP\_N62-Multiple'

EP\_N63:

$ref: '#/components/schemas/EP\_N63-Multiple'

EP\_N61-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N62-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N63-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

GmlcFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

pLMNInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

sBIFqdn:

type: string

managedNFProfile:

$ref: '#/components/schemas/ManagedNFProfile'

commModelList:

$ref: '#/components/schemas/CommModelList'

gmlcInfo:

$ref: '#/components/schemas/GmlcInfo'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_NL2:

$ref: '#/components/schemas/EP\_NL2-Multiple'

EP\_NL3:

$ref: '#/components/schemas/EP\_NL3-Multiple'

EP\_NL5:

$ref: '#/components/schemas/EP\_NL5-Multiple'

EP\_NL6:

$ref: '#/components/schemas/EP\_NL6-Multiple'

EP\_NL9:

$ref: '#/components/schemas/EP\_NL9-Multiple'

EP\_NL10:

$ref: '#/components/schemas/EP\_NL10-Multiple'

TsctsfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

pLMNInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

sBIFqdn:

type: string

managedNFProfile:

$ref: '#/components/schemas/ManagedNFProfile'

commModelList:

$ref: '#/components/schemas/CommModelList'

tsctsfInfo:

$ref: '#/components/schemas/TsctsfInfo'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N84:

$ref: '#/components/schemas/EP\_N84-Multiple'

EP\_N85:

$ref: '#/components/schemas/EP\_N85-Multiple'

EP\_N86:

$ref: '#/components/schemas/EP\_N86-Multiple'

EP\_N87:

$ref: '#/components/schemas/EP\_N87-Multiple'

EP\_N89:

$ref: '#/components/schemas/EP\_N89-Multiple'

EP\_N96:

$ref: '#/components/schemas/EP\_N96-Multiple'

EP\_N84-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N85-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N86-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N87-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N89-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N96-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

BsfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

pLMNInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

sBIFqdn:

type: string

cNSIIdList:

$ref: '#/components/schemas/CNSIIdList'

managedNFProfile:

$ref: '#/components/schemas/ManagedNFProfile'

commModelList:

$ref: '#/components/schemas/CommModelList'

bsfInfo:

type: array

items:

$ref: '#/components/schemas/BsfInfo'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

MbSmfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnIdList'

managedNFProfile:

$ref: '#/components/schemas/ManagedNFProfile'

commModelList:

$ref: '#/components/schemas/CommModelList'

mbSmfInfo:

$ref: '#/components/schemas/MbSmfInfo'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N11mb:

$ref: '#/components/schemas/EP\_N11mb-Multiple'

EP\_N16mb:

$ref: '#/components/schemas/EP\_N16mb-Multiple'

EP\_Nmb1:

$ref: '#/components/schemas/EP\_Nmb1-Multiple'

EP\_N4mb:

$ref: '#/components/schemas/EP\_N4mb-Multiple'

EP\_N11mb-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N16mb-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_Nmb1-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

MbUpfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

plmnIdList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnIdList'

managedNFProfile:

$ref: '#/components/schemas/ManagedNFProfile'

commModelList:

$ref: '#/components/schemas/CommModelList'

mbUpfInfo:

$ref: '#/components/schemas/MbUpfInfo'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_N3mb:

$ref: '#/components/schemas/EP\_N3mb-Multiple'

EP\_N4mb:

$ref: '#/components/schemas/EP\_N4mb-Multiple'

EP\_N19mb:

$ref: '#/components/schemas/EP\_N19mb-Multiple'

EP\_Nmb9:

$ref: '#/components/schemas/EP\_Nmb9-Multiple'

MnpfFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-Attr'

- type: object

properties:

pLMNInfoList:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/PlmnInfoList'

managedNFProfile:

$ref: '#/components/schemas/ManagedNFProfile'

commModelList:

$ref: '#/components/schemas/CommModelList'

mnpfInfo:

$ref: '#/components/schemas/MnpfInfo'

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/ManagedFunction-ncO'

- $ref: '#/components/schemas/ManagedFunction5GC-nc0'

- type: object

properties:

EP\_SM12:

$ref: '#/components/schemas/EP\_SM12-Multiple'

EP\_SM13:

$ref: '#/components/schemas/EP\_SM13-Multiple'

EP\_SM14:

$ref: '#/components/schemas/EP\_SM14-Multiple'

EP\_N3mb-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N4mb-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_N19mb-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_Nmb9-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

AnLFFunction-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- type: object

properties:

activationStatus:

type: string

enum:

- ACTIVATED

- DEACTIVATED

EP\_SM12-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_SM13-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

EP\_SM14-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/EP\_RP-Attr'

- type: object

properties:

localAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/LocalAddress'

remoteAddress:

$ref: 'TS28541\_NrNrm.yaml#/components/schemas/RemoteAddress'

#-------- Definition of abstract IOCs --------------------------------------------

ManagedFunction5GC-nc0:

type: object

properties:

ManagedNFService:

$ref: '#/components/schemas/ManagedNFService-Multiple'

#-------- Definition of abstract IOCs --------------------------------------------

#-------- Definition of 5GC common IOCs --------------------------------------------

ManagedNFService-Single:

allOf:

- $ref: 'TS28623\_GenericNrm.yaml#/components/schemas/Top'

- type: object

properties:

attributes:

type: object

properties:

userLabel:

type: string

nFServiceType:

$ref: '#/components/schemas/NFServiceType'

sAP:

$ref: '#/components/schemas/SAP'

operations:

type: array

items:

$ref: '#/components/schemas/Operation'

administrativeState:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/AdministrativeState'

operationalState:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/OperationalState'

usageState:

$ref: 'TS28623\_ComDefs.yaml#/components/schemas/UsageState'

registrationState:

$ref: '#/components/schemas/RegistrationState'

#-------- Definition of 5GC common IOCs --------------------------------------------

#-------- Definition of JSON arrays for name-contained IOCs ----------------------

AmfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/AmfFunction-Single'

SmfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/SmfFunction-Single'

UpfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/UpfFunction-Single'

N3iwfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/N3iwfFunction-Single'

PcfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/PcfFunction-Single'

AusfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/AusfFunction-Single'

UdmFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/UdmFunction-Single'

UdrFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/UdrFunction-Single'

UdsfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/UdsfFunction-Single'

NrfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/NrfFunction-Single'

NssfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/NssfFunction-Single'

SmsfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/SmsfFunction-Single'

LmfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/LmfFunction-Single'

NgeirFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/NgeirFunction-Single'

SeppFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/SeppFunction-Single'

NwdafFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/NwdafFunction-Single'

ScpFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/ScpFunction-Single'

NefFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/NefFunction-Single'

NsacfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/NsacfFunction-Single'

ExternalAmfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/ExternalAmfFunction-Single'

ExternalNrfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/ExternalNrfFunction-Single'

ExternalNssfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/ExternalNssfFunction-Single'

ExternalSeppFunction-Nultiple:

type: array

items:

$ref: '#/components/schemas/ExternalSeppFunction-Single'

AmfSet-Multiple:

type: array

items:

$ref: '#/components/schemas/AmfSet-Single'

AmfRegion-Multiple:

type: array

items:

$ref: '#/components/schemas/AmfRegion-Single'

EASDFFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/EASDFFunction-Single'

EP\_N2-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N2-Single'

EP\_N3-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N3-Single'

EP\_N4-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N4-Single'

EP\_N5-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N5-Single'

EP\_N6-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N6-Single'

EP\_N7-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N7-Single'

EP\_N8-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N8-Single'

EP\_N9-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N9-Single'

EP\_N10-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N10-Single'

EP\_N11-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N11-Single'

EP\_N12-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N12-Single'

EP\_N13-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N13-Single'

EP\_N14-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N14-Single'

EP\_N15-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N15-Single'

EP\_N16-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N16-Single'

EP\_N17-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N17-Single'

EP\_N20-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N20-Single'

EP\_N21-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N21-Single'

EP\_N22-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N22-Single'

EP\_N26-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N26-Single'

EP\_N27-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N27-Single'

EP\_N28-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N28-Single'

EP\_N31-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N31-Single'

EP\_N32-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N32-Single'

EP\_N33-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N33-Single'

EP\_N34-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N34-Single'

EP\_N40-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N40-Single'

EP\_N41-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N41-Single'

EP\_N42-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N42-Single'

EP\_S5C-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_S5C-Single'

EP\_S5U-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_S5U-Single'

EP\_Rx-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_Rx-Single'

EP\_MAP\_SMSC-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_MAP\_SMSC-Single'

EP\_NLS-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_NLS-Single'

EP\_NL2-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_NL2-Single'

EP\_NL3-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_NL3-Single'

EP\_NL5-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_NL5-Single'

EP\_NL6-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_NL6-Single'

EP\_NL7-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_NL7-Single'

EP\_NL8-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_NL8-Single'

EP\_NL9-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_NL9-Single'

EP\_NL10-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_NL10-Single'

EP\_N60-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N60-Single'

EP\_N61-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N61-Single'

EP\_N62-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N62-Single'

EP\_N63-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N63-Single'

EP\_Npc4-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_Npc4-Single'

EP\_Npc6-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_Npc6-Single'

EP\_Npc7-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_Npc7-Single'

EP\_Npc8-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_Npc8-Single'

EP\_N84-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N84-Single'

EP\_N85-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N85-Single'

EP\_N86-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N86-Single'

EP\_N87-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N87-Single'

EP\_N88-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N88-Single'

EP\_N89-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N89-Single'

EP\_N96-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N96-Single'

EP\_N11mb-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N11mb-Single'

EP\_N16mb-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N16mb-Single'

EP\_Nmb1-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_Nmb1-Single'

EP\_N3mb-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N3mb-Single'

EP\_N4mb-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N4mb-Single'

EP\_N19mb-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N19mb-Single'

EP\_Nmb9-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_Nmb9-Single'

EP\_SM12-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_SM12-Single'

EP\_SM13-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_SM13-Single'

EP\_SM14-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_SM14-Single'

Configurable5QISet-Multiple:

type: array

items:

$ref: '#/components/schemas/Configurable5QISet-Single'

Dynamic5QISet-Multiple:

type: array

items:

$ref: '#/components/schemas/Dynamic5QISet-Single'

EcmConnectionInfo-Multiple:

type: array

items:

$ref: '#/components/schemas/EcmConnectionInfo-Single'

NssaafFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/NssaafFunction-Single'

EP\_N58-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N58-Single'

EP\_N59-Multiple:

type: array

items:

$ref: '#/components/schemas/EP\_N59-Single'

AfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/AfFunction-Single'

DccfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/DccfFunction-Single'

ChfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/ChfFunction-Single'

MfafFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/MfafFunction-Single'

GmlcFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/GmlcFunction-Single'

TsctsfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/TsctsfFunction-Single'

AanfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/AanfFunction-Single'

BsfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/BsfFunction-Single'

MbSmfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/MbSmfFunction-Single'

MbUpfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/MbUpfFunction-Single'

MnpfFunction-Multiple:

type: array

items:

$ref: '#/components/schemas/MnpfFunction-Single'

ManagedNFService-Multiple:

type: array

items:

$ref: '#/components/schemas/ManagedNFService-Single'

#------------ Definitions in TS 28.541 for TS 28.532 -----------------------------

resources-5gcNrm:

oneOf:

- $ref: '#/components/schemas/AmfFunction-Single'

- $ref: '#/components/schemas/SmfFunction-Single'

- $ref: '#/components/schemas/UpfFunction-Single'

- $ref: '#/components/schemas/N3iwfFunction-Single'

- $ref: '#/components/schemas/PcfFunction-Single'

- $ref: '#/components/schemas/AusfFunction-Single'

- $ref: '#/components/schemas/UdmFunction-Single'

- $ref: '#/components/schemas/UdrFunction-Single'

- $ref: '#/components/schemas/UdsfFunction-Single'

- $ref: '#/components/schemas/NrfFunction-Single'

- $ref: '#/components/schemas/NssfFunction-Single'

- $ref: '#/components/schemas/SmsfFunction-Single'

- $ref: '#/components/schemas/LmfFunction-Single'

- $ref: '#/components/schemas/NgeirFunction-Single'

- $ref: '#/components/schemas/SeppFunction-Single'

- $ref: '#/components/schemas/NwdafFunction-Single'

- $ref: '#/components/schemas/ScpFunction-Single'

- $ref: '#/components/schemas/NefFunction-Single'

- $ref: '#/components/schemas/NsacfFunction-Single'

- $ref: '#/components/schemas/DDNMFFunction-Single'

- $ref: '#/components/schemas/ManagedNFService-Single'

- $ref: '#/components/schemas/ExternalAmfFunction-Single'

- $ref: '#/components/schemas/ExternalNrfFunction-Single'

- $ref: '#/components/schemas/ExternalNssfFunction-Single'

- $ref: '#/components/schemas/ExternalSeppFunction-Single'

- $ref: '#/components/schemas/AmfSet-Single'

- $ref: '#/components/schemas/AmfRegion-Single'

- $ref: '#/components/schemas/QFQoSMonitoringControl-Single'

- $ref: '#/components/schemas/GtpUPathQoSMonitoringControl-Single'

- $ref: '#/components/schemas/EP\_N2-Single'

- $ref: '#/components/schemas/EP\_N3-Single'

- $ref: '#/components/schemas/EP\_N4-Single'

- $ref: '#/components/schemas/EP\_N5-Single'

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- $ref: '#/components/schemas/EP\_N7-Single'

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- $ref: '#/components/schemas/EP\_N19mb-Single'

- $ref: '#/components/schemas/EP\_Nmb9-Single'

- $ref: '#/components/schemas/EP\_S5C-Single'

- $ref: '#/components/schemas/EP\_S5U-Single'

- $ref: '#/components/schemas/EP\_Rx-Single'

- $ref: '#/components/schemas/EP\_MAP\_SMSC-Single'

- $ref: '#/components/schemas/EP\_NLS-Single'

- $ref: '#/components/schemas/EP\_NL2-Single'

- $ref: '#/components/schemas/EP\_NL3-Single'

- $ref: '#/components/schemas/EP\_NL5-Single'

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- $ref: '#/components/schemas/EP\_NL9-Single'

- $ref: '#/components/schemas/EP\_NL10-Single'

- $ref: '#/components/schemas/EP\_N11mb-Single'

- $ref: '#/components/schemas/EP\_N16mb-Single'

- $ref: '#/components/schemas/EP\_Nmb1-Single'

- $ref: '#/components/schemas/EP\_SM12-Single'

- $ref: '#/components/schemas/EP\_SM13-Single'

- $ref: '#/components/schemas/EP\_SM14-Single'

- $ref: '#/components/schemas/Configurable5QISet-Single'

- $ref: '#/components/schemas/FiveQiDscpMappingSet-Single'

- $ref: '#/components/schemas/PredefinedPccRuleSet-Single'

- $ref: '#/components/schemas/Dynamic5QISet-Single'

- $ref: '#/components/schemas/EASDFFunction-Single'

- $ref: '#/components/schemas/EcmConnectionInfo-Single'

- $ref: '#/components/schemas/NssaafFunction-Single'

- $ref: '#/components/schemas/AfFunction-Single'

- $ref: '#/components/schemas/DccfFunction-Single'

- $ref: '#/components/schemas/ChfFunction-Single'

- $ref: '#/components/schemas/MfafFunction-Single'

- $ref: '#/components/schemas/GmlcFunction-Single'

- $ref: '#/components/schemas/TsctsfFunction-Single'

- $ref: '#/components/schemas/AanfFunction-Single'

- $ref: '#/components/schemas/BsfFunction-Single'

- $ref: '#/components/schemas/MbSmfFunction-Single'

- $ref: '#/components/schemas/MbUpfFunction-Single'

- $ref: '#/components/schemas/MnpfFunction-Single'

<CODE ENDS>

\*\*\* END OF CHANGE 1 \*\*\*

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| **End of Change** |