Annex H (normative):  
Void

Annex I (normative):  
Void

Annex J (normative):  
Void

Annex K (normative):  
Void

Annex L (normative):  
Relation of GSMA GST, ServiceProfile and SliceProfile

# L.1 General

This annex describes the relation between GSMA GST [50] and the ServiceProfile and SliceProfile captured in the network slice NRM fragment (see clause 6).

# L.2 GSMA GST, ServiceProfile and sliceProfile

The GSMA GST is used as the SLA information for the communication between the NSC (e.g., vertical industry) and the NSP. The SLA requirements can be fulfilled from management aspect and control aspect in a coordinated way. The SLS includes ServiceProfile information model.

As shown in figure L.2.1, the GST parameters [50] are used as input to ServiceProfile. The ServiceProfile which defines the service requirements related to a particular NSC, is translated into the SliceProfile. In particular, the attributes captured in the ServiceProfile are mapped to TopSliceSubnetProfile attributes. Based on the TopSliceSubnetProfile attributes, the corresponding requirements for the dedicated domain specific network slice subnets are defined. For example, the CNSliceSubnetProfile attributes are used to carry 5GC domain requirements, the RANSliceSubnetProfile attributes are used to carry NG-RAN domain requirements, and the TN requirements are derived and provide input to the TN domain.

As shown in Table L.2.1 some of the attributes in CNSliceSubnetProfile and RANSliceSubnetProfile parameters can be translated to configurable parameters related to network function behaviour to satisfy SLS of the service in the control plane. While other information (e.g., delay tolerance, deterministic communication support) in CNSliceSubnetProfile and RANSliceSubnetProfile are kept at OAM domain and is used to determine the overall behaviour of the network slice.

The following table show the translation of GST attributes.

Table L.2.1: GST translation

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| GST parameters | ServiceProfile attributes | SliceProfile Parameter | | | Configuration Parameters |
| TopSlice SubnetProfile attributes | RANSlice SubnetProfile attributes | CNSlice SubnetProfile attributes |
| **Maximum number of UEs** | maxNumberofUEs | maxNumberofUE | maxNumberofUEs | maxNumberofUEs | attributes in NSACF |
| **Maximum number of PDU sessions** | maxNumberofConns | maxNumberofPDUSessions | N/A | maxNumberofPDUSessions | TBD |
| **Downlink maximum throughput per UE** | dLThptPerUE | dLThptPerUE | dLThptPerUE | dLThptPerUE | TBD |
| **Uplink maximum throughput per UE** | uLThptPerUE | uLThptPerUE | uLThptPerUE | uLThptPerUE | TBD |

Editor's note: The list of exact configurable parameters is to be revisited depending on the requirements from SA2 and RAN WGs.

NOTE: Void.



Figure L.2.1 Relation between GSMA GST, ServiceProfile and SliceProfile

Annex M (normative):  
Managed NF Service state handling

# M.1 Combined state diagram for a Managed NF Service



Figure M.1-1: Combined Managed NF Service state diagram

Table M.1-1: The Managed NF Service state transition table

|  |  |
| --- | --- |
| Trigger number | The state transition events and actions |
| 1 | Event: Received information of deployment of a Network Function (NF) service.  Action: Create a ManagedNFService instance (MSI) whose(Administrative/Operational/Registration) are set to Locked/Disabled/Deregistered. |
| 2 | Event: Received information of positive state change of the NF service.  Action: Set the Operational state of the MSI to Enabled. |
| 3 | Event: Received CM operation to unlock the NF Service or the NF.  Action: Set the Administrative state of the MSI to Unlocked.  Note: Changing Administrative state on NF service level is optional |
| 4 | Event: Received information that the NF Service is registered to an NRF either by the NF itself or by an OAM system on behalf of the NF.  Action: Set the registration state of the MSI to Registered. |
| 5 | Event: Received information that the NF Service is deregistered from the NRF either by the NF itself or by an OAM system on behalf of the NF.  Action: Set registration state of the MSI to Deregistered. |
| 6 | Event: Received information that the NF Service is unavailable because of, for example, limitation of resource or other exceptions.  Action: Set the Operational state of the MSI to Disabled. |
| 7 | Event: Received information that the NF Service is unavailable.  Action: Deregister the NF Service on behalf of the NF, and set the registration state of the MSI to Deregistered. |
| 8 | Event: Received CM operation to lock the NF Service or the NF.  Action: Set the Administrative state of the MSI to Locked.  Note: Changing Administrative state on NF service level is optional |
| 9 | Event: Received information that the NF Service is terminated or deleted,  Action: Delete the MSI and set its state to NULL. |

Annex N (normative):  
Void

Annex O (informative):   
QoS model usage for NG-RAN

# O.1 Overview

The Configurable 5QI set IOC (as defined in 5.3.75) provides flexibility to support multiple scenarios:

- Configurable 5QI sets can be name contained by SubNetwork, ManagedElement, GNBDUFunction, GNBCUUPFunction and GNBCUCPFunction.

- Sets are referenced by attributes (configurable5QISetRef) in applicable MOIs.

Specific containment and/or referencing may be appropriate for certain scenarios.

# O.2 General usage

For consistency, referenced 5QI sets can be defined within the same subtree (see Figure 4.2.1.1-8) as follows:

- a Configurable5QISet instance contained by ManagedEntity does not need a reference from the ManagedEntity instance which contains it.

- a Configurable5QISet instance contained by ManagedElement is only referenced by ManagedFunction instances contained within that ManagedElement.

- a Configurable5QISet instance contained by Subnetwork is only referenced by ManagedFunction instances contained within the same Subnetwork.

- a Configurable5QISet instance contained by ManagedFunction is only used by that ManagedFunction instance.

# O.3 NG-RAN MOCN network sharing usage recommendation

The operator specific IOCs, including OperatorDU (as defined in 4.3.67) which are configured per operator, are used to support the NG-RAN Multi-Operator Core Network (NG-RAN MOCN) network sharing with multiple Cell Identity broadcast scenario.

In addition to the general usage described in O.2, the following recommendations apply for NG-RAN MOCN network sharing with multiple Cell Identity broadcast scenario:

- Configurable5QISet instances applicable to multiple operators sharing a gNB can be associated with the shared GNBDUFunction

- Configurable5QI instances which are operator specific can be referenced by the OperatorDU defined for the applicable operator

Annex P (informative):   
Mapping between GSMA GST and ServiceProfile

Table P.1 shows the mapping from the GSMA GST, see reference [50] to the ServiceProfile which can be found in clause 6.3.3 of this document.

Table P.1: Mapping between GSMA GST and ServiceProfile

|  |  |  |  |
| --- | --- | --- | --- |
| GSMA GST attribute name [50] | GST reference location [50] | ServiceProfile attribute | Clause number (see NOTE) |
| Availability | 3.4.1 | availability | 6.4.1 |
| Area of service | 3.4.2 | coverageArea | 6.4.1 |
| Delay tolerance | 3.4.3 | delayTolerance | 6.4.1 and 6.3.7 |
| Deterministic communication | 3.4.4 | dLDeterministicComm | 6.4.1 and 6.3.8 |
| Determinstic communication | 3.4.4 | uLDeterministicComm | 6.4.1 and 6.3.8 |
| Maximum supported packet size | 3.4.11 | dLMaxPktSize | 6.4.1 and 6.3.11 |
| Maximum supported packet size | 3.4.11 | uLMaxPktSize | 6.4.1 and 6.3.12 |
| Downlink throughput per network slice | 3.4.5 | dLThptPerSlice | 6.4.1 and 6.3.9 |
| Uplink throughput per network slice | 3.4.31 | uLThptPerSlice | 6.4.1 and 6.3.9 |
| Downlink maximum throughput per UE | 3.4.6 | dLThptPerUE | 6.4.1 and 6.3.9 |
| Uplink maximum throughput per UE | 3.4.32 | uLThptPerUE | 6.4.1 and 6.3.9 |
| Energy efficiency | 3.4.7 | energyEfficiency | 6.4.1 and 6.3.30 |
| Performance monitoring | 3.4.18 | kPIMonitoring | 6.4.1 and 6.3.14 |
| Maximum number of PDU sessions | 3.4.16 | maxNumberofPDUSessions | 6.4.1 and 6.3.12 |
| Maximum number of UEs | 3.4.17 | maxNumberofUEs | 6.4.1 and 6.3.38 |
| NB-IoT support | 3.4.14 | nBIoT | 6.4.1 and 6.3.20 |
| Positioning support | 3.4.20 | positioning | 6.4.1 and 6.3.26 |
| Radiospectrum | 3.4.21 | radioSpectrum | 6.4.1 and 6.3.31 |
| Simultaneous use of the network slice | 3.4.25 | sliceSimultaneousUse | 6.4.1 |
| Synchronicity | 3.4.29 | synchronicity | 6.4.1 and 6.3.27 |
| UE density | 3.4.30 | termDensity | 6.4.1 and 6.3.17 |
| Supported device velocity | 3.4.28 | uESpeed | 6.4.1 |
| User management openness | 3.4.33 | userMgmtOpen | 6.4.1 and 6.3.15 |
| V2X-PC5 Network Scheduled Mode | 3.4.35 | v2XCommModels | 6.4.1 and 6.3.16 |
| Network Slice Specific Authentication and Authorization (NSSAA) Required | 3.4.37 | nssaaSupport | 6.4.1 and 6.3.34 |
| Slice quality of service | 3.4.26 | NA | NA |
| Performance prediction | 3.4.19 | NA | NA |
| Data network access | 3.4.34 | dataNetworkAccess | 6.4.1 and 6.3.46 |
| Isolation level | 3.4.9 | NA | NA |
| Group communication support | 3.4.8 | NA | NA |
| Latency from (last) UPF to Application Server | 3.4.36 | NA | NA |
| Mission critical support | 3.4.12 | NA | NA |
| MMTel support | 3.4.13 | NA | NA |
| Network function owned by Network Slice Customer | 3.4.15 | NA | NA |
| Monitoring and analytics | 3.4.23 | NA | NA |
| Session and Service Continuity support | 3.4.24 | NA | NA |
| Support for non-IP traffic | 3.4.27 | nonIPSupport | 6.4.1 and 6.3.42 |
| Latency from (last) UPF to Application Server | 3.4.36 | NA | NA |
| Multimedia Priority Service | 3.4.38 | NA | NA |
| Maximum number of UEs with at least one PDU session/PDN connection | 3.4.40 | NA | NA |
| Supported data network | 3.4.39 | supportedDataNetworks | 6.4.1 and 6.3.45 |
| V2X-PC5 parameter provisioning | 3.4.41 | NA | NA |
| PDU Set Support | 3.4.42 | NA | NA |
| NOTE: The attribute definitions can be found in clause 6.4, there where the attribute is defined by a custom data type the clause for the data type definition is also mentioned. | | | |

Annex Q (informative):  
PlantUML source code

# Q.1 5GC NRM relationship diagram

## Q.1.1 The 5GC NF NRM containment/naming relationship

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

hide empty members

skinparam ClassStereotypeFontStyle normal

hide circle

skinparam class {

BackgroundColor White

ArrowColor Black

BorderColor Black

}

left to right direction

skinparam ranksep 100

skinparam nodesep 4

class ManagedElement <<InformationObjectClass>>

class LMFFunction <<InformationObjectClass>>

class NGEIRFunction <<InformationObjectClass>>

class NSSFFunction <<InformationObjectClass>>

class SEPPFFunction <<InformationObjectClass>>

class SCPFFunction <<InformationObjectClass>>

class SMSFFunction <<InformationObjectClass>>

class UDRFunction <<InformationObjectClass>>

class N3IWFFunction <<InformationObjectClass>>

class "5G DDNMFFunction" <<InformationObjectClass>>

class NSSAAFFunction <<InformationObjectClass>>

class MFAFFunction <<InformationObjectClass>>

class NSACFFunction <<InformationObjectClass>>

class GMLCFunction <<InformationObjectClass>>

class TSCTSFFunction <<InformationObjectClass>>

class MBUPFFunction <<InformationObjectClass>>

class MNPFFunction <<InformationObjectClass>>

class AMFFunction <<InformationObjectClass>>

class SMFFunction <<InformationObjectClass>>

class UPFFunction <<InformationObjectClass>>

class PCFFunction <<InformationObjectClass>>

class NEFFunction <<InformationObjectClass>>

class NRFFunction <<InformationObjectClass>>

class UDMFunction <<InformationObjectClass>>

class AUSFFunction <<InformationObjectClass>>

class AFFunction <<InformationObjectClass>>

class EASDFFunction <<InformationObjectClass>>

class CHFFFunction <<InformationObjectClass>>

class DCCFFunction <<InformationObjectClass>>

class NWDAFFunction <<InformationObjectClass>>

class AANFFunction <<InformationObjectClass>>

class BSFFunction <<InformationObjectClass>>

class MBSMFFunction <<InformationObjectClass>>

LMFFunction "\*" --\* "1" ManagedElement: <<names>>

NGEIRFunction "\*" --\* "1" ManagedElement: <<names>>

NSSFFunction "\*" --\* "1" ManagedElement: <<names>>

SEPPFFunction "\*" --\* "1" ManagedElement: <<names>>

SCPFFunction "\*" --\* "1" ManagedElement: <<names>>

SMSFFunction "\*" --\* "1" ManagedElement: <<names>>

UDRFunction "\*" --\* "1" ManagedElement: <<names>>

N3IWFFunction "\*" --\* "1" ManagedElement: <<names>>

"5G DDNMFFunction" "\*" --\* "1" ManagedElement: <<names>>

NSSAAFFunction "\*" --\* "1" ManagedElement: <<names>>

MFAFFunction "\*" --\* "1" ManagedElement: <<names>>

NSACFFunction "\*" --\* "1" ManagedElement: <<names>>

GMLCFunction "\*" --\* "1" ManagedElement: <<names>>

TSCTSFFunction "\*" --\* "1" ManagedElement: <<names>>

MBUPFFunction "\*" --\* "1" ManagedElement: <<names>>

MNPFFunction "\*" --\* "1" ManagedElement: <<names>>

ManagedElement "1" \*-- "\*" AMFFunction : <<names>>

ManagedElement "1" \*-- "\*" SMFFunction : <<names>>

ManagedElement "1" \*-- "\*" UPFFunction : <<names>>

ManagedElement "1" \*-- "\*" PCFFunction : <<names>>

ManagedElement "1" \*-- "\*" NEFFunction : <<names>>

ManagedElement "1" \*-- "\*" NRFFunction : <<names>>

ManagedElement "1" \*-- "\*" UDMFunction : <<names>>

ManagedElement "1" \*-- "\*" AUSFFunction : <<names>>

ManagedElement "1" \*-- "\*" AFFunction : <<names>>

ManagedElement "1" \*-- "\*" EASDFFunction: <<names>>

ManagedElement "1" \*-- "\*" CHFFFunction : <<names>>

ManagedElement "1" \*-- "\*" DCCFFunction : <<names>>

ManagedElement "1" \*-- "\*" NWDAFFunction : <<names>>

ManagedElement "1" \*-- "\*" AANFFunction : <<names>>

ManagedElement "1" \*-- "\*" BSFFunction : <<names>>

ManagedElement "1" \*-- "\*" MBSMFFunction: <<names>>

class SubNetwork <<InformationObjectClass>>

class ExternalNRFFunction <<InformationObjectClass>>

class ExternalNSSFFunction <<InformationObjectClass>>

class ExternalAMFFunction <<InformationObjectClass>>

ExternalNRFFunction "\*" -u-\* "1" SubNetwork: <<names>>

ExternalNSSFFunction "\*" -u-\* "1" SubNetwork: <<names>>

SubNetwork "1" \*-d- "\*" ExternalAMFFunction : <<names>>

SubNetwork "1" \*-- "\*" ManagedElement : <<names>>

@enduml

## Q.1.2 The Figure 5.2.1.1-2 for the transport view of AMF NRM

'Figure 5.2.1.1-2: Transport view of AMF NRM

@startuml Figure 5.2.1.1-2: Transport view of AMF 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 AMFFunction <<InformationObjectClass>>

class EP\_N2 <<InformationObjectClass>>

class EP\_N8 <<InformationObjectClass>>

class EP\_N11 <<InformationObjectClass>>

class EP\_N12 <<InformationObjectClass>>

class EP\_N13 <<InformationObjectClass>>

class EP\_N15 <<InformationObjectClass>>

class EP\_N17 <<InformationObjectClass>>

class EP\_N22 <<InformationObjectClass>>

class EP\_N26 <<InformationObjectClass>>

class EP\_N20 <<InformationObjectClass>>

class EP\_NLS <<InformationObjectClass>>

class EP\_NL2 <<InformationObjectClass>>

class EP\_N60 <<InformationObjectClass>>

class EP\_N41 <<InformationObjectClass>>

class EP\_N42 <<InformationObjectClass>>

class EP\_N89 <<InformationObjectClass>>

class EP\_N11mb <<InformationObjectClass>>

class FarEnd\_N2 <<ProxyClass>>

class UDMFunction <<InformationObjectClass>>

class SMFFunction <<InformationObjectClass>>

class AUSFFunction <<InformationObjectClass>>

class "AMFFunction " <<InformationObjectClass>>

class PCFFunction <<InformationObjectClass>>

class NGEIRFunction <<InformationObjectClass>>

class NSSFFunction <<InformationObjectClass>>

class MMEFunction <<InformationObjectClass>>

class SMSFFunction <<InformationObjectClass>>

class LMFFunction <<InformationObjectClass>>

class GMLCFunction <<InformationObjectClass>>

class NSACFFunction <<InformationObjectClass>>

class "CHFFunction (HPLMN)" <<InformationObjectClass>>

class "CHFFunction (VPLMN)" <<InformationObjectClass>>

class TSCTSFFunction <<InformationObjectClass>>

class MBSMFFunction <<InformationObjectClass>>

AMFFunction "1" \*-- "\*" EP\_N2: <<names>>

AMFFunction "1" \*-- "\*" EP\_N8: <<names>>

AMFFunction "1" \*-- "\*" EP\_N11: <<names>>

AMFFunction "1" \*-- "\*" EP\_N12: <<names>>

AMFFunction "1" \*-- "\*" EP\_N13: <<names>>

AMFFunction "1" \*-- "\*" EP\_N15: <<names>>

AMFFunction "1" \*-- "\*" EP\_N17: <<names>>

AMFFunction "1" \*-- "\*" EP\_N22: <<names>>

AMFFunction "1" \*-- "\*" EP\_N26: <<names>>

AMFFunction "1" \*-- "\*" EP\_N20: <<names>>

AMFFunction "1" \*-- "\*" EP\_NLS: <<names>>

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

AMFFunction "1" \*-- "\*" EP\_N60: <<names>>

AMFFunction "1" \*-- "\*" EP\_N41: <<names>>

AMFFunction "1" \*-- "\*" EP\_N42: <<names>>

AMFFunction "1" \*-- "\*" EP\_N89: <<names>>

AMFFunction "1" \*-- "\*" EP\_N11mb: <<names>>

EP\_N2 "1" --> "1" FarEnd\_N2

EP\_N8 "1" --> "1" UDMFunction

EP\_N11 "1" --> "1" SMFFunction

EP\_N12 "1" --> "1" AUSFFunction

EP\_N13 "1" --> "1" "AMFFunction "

EP\_N15 "1" --> "1" PCFFunction

EP\_N17 "1" --> "1" NGEIRFunction

EP\_N22 "1" --> "1" NSSFFunction

EP\_N26 "1" --> "1" MMEFunction

EP\_N20 "1" --> "1" SMSFFunction

EP\_NLS "1" --> "1" LMFFunction

EP\_NL2 "1" --> "1" GMLCFunction

EP\_N60 "1" --> "1" NSACFFunction

EP\_N41 "1" --> "1" "CHFFunction (HPLMN)"

EP\_N42 "1" --> "1" "CHFFunction (VPLMN)"

EP\_N89 "1" --> "1" TSCTSFFunction

EP\_N11mb "1" --> "1" MBSMFFunction

note top of FarEnd\_N2: "This proxy class represents\n GNBFunction or \n GNBCUCPFunction (TS\n 28.541) or ENBFunction (TS\n 28.658) or N3IWFFunction"

@enduml

## Q.1.3 The Figure 5.2.1.1-3 for the transport view of SMF NRM

@startuml Figure 5.2.1.1-3: Transport view of SMF NRM

hide empty members

hide circle

skinparam class {

BackgroundColor White

ArrowColor Black

BorderColor Black

}

skinparam ClassStereotypeFontStyle normal

skinparam nodesep 3

skinparam ranksep 100

skinparam linetype ortho

left to right direction

class SMFFunction <<InformationObjectClass>>

class EP\_NS5C <<InformationObjectClass>>

class EP\_N4 <<InformationObjectClass>>

class EP\_N7 <<InformationObjectClass>>

class EP\_N10 <<InformationObjectClass>>

class EP\_N11 <<InformationObjectClass>>

class EP\_N16 <<InformationObjectClass>>

class EP\_N40 <<InformationObjectClass>>

class EP\_N88 <<InformationObjectClass>>

class EP\_N16mb <<InformationObjectClass>>

class FarEnd\_S5C <<ProxyClass>>

class UPFFunction <<InformationObjectClass>>

class UDMFunction <<InformationObjectClass>>

class AMFFunction <<InformationObjectClass>>

class PCFFunction <<InformationObjectClass>>

class "SMFFunction " <<InformationObjectClass>>

class CHFFunction <<InformationObjectClass>>

class EASDFFunction <<InformationObjectClass>>

class MBSMFFunction <<InformationObjectClass>>

SMFFunction "1" \*-- "\*" EP\_NS5C : <<names>>

SMFFunction "1" \*-- "\*" EP\_N4 : <<names>>

SMFFunction "1" \*-- "\*" EP\_N7 : <<names>>

SMFFunction "1" \*-- "\*" EP\_N10 : <<names>>

SMFFunction "1" \*-- "\*" EP\_N11 : <<names>>

SMFFunction "1" \*-- "\*" EP\_N16 : <<names>>

SMFFunction "1" \*-- "\*" EP\_N40 : <<names>>

SMFFunction "1" \*-- "\*" EP\_N88 : <<names>>

SMFFunction "1" \*-- "\*" EP\_N16mb : <<names>>

EP\_NS5C "1" --> "1" FarEnd\_S5C

EP\_N4 "1" --> "1" UPFFunction

EP\_N7 "1" --> "1" PCFFunction

EP\_N10 "1" --> "1" UDMFunction

EP\_N11 "1" --> "1" AMFFunction

EP\_N16 "1" --> "1" "SMFFunction "

EP\_N40 "1" --> "1" CHFFunction

EP\_N88 "1" --> "1" EASDFFunction

EP\_N16mb "1" --> "1" MBSMFFunction

note top of FarEnd\_S5C: "It represents ServingGWFunction\(from TS 28.708)"

@enduml

# Q.2 5GC NRM inheritance diagram

## Q.2.1 The inheritance hierarchy from IOC ManagedFunction related to the 5GC NF NRM

@startuml Figure 5.2.1.2-1: Inheritance hierarchy from IOC ManagedFunction

hide empty members

skinparam ClassStereotypeFontStyle normal

hide circle

skinparam class {

BackgroundColor White

ArrowColor Black

BorderColor Black

}

left to right direction

skinparam linetype ortho

skinparam nodesep 2

class ManagedFunction <<InformationObjectClass>>

class ExternalNRFFunction <<InformationObjectClass>>

class ExternalNSSFFunction <<InformationObjectClass>>

class LMFFunction <<InformationObjectClass>>

class NGEIRFunction <<InformationObjectClass>>

class NSSFFunction <<InformationObjectClass>>

class SCPFFunction <<InformationObjectClass>>

class SEPPFFunction <<InformationObjectClass>>

class SMSFFunction <<InformationObjectClass>>

class UDRFunction <<InformationObjectClass>>

class N3IWFFunction <<InformationObjectClass>>

class NSACFFunction <<InformationObjectClass>>

class EASDFFunction <<InformationObjectClass>>

class ExternalAMFFunction <<InformationObjectClass>>

class AMFFunction <<InformationObjectClass>>

class SMFFunction <<InformationObjectClass>>

class UPFFunction <<InformationObjectClass>>

class PCFFunction <<InformationObjectClass>>

class NEFFunction <<InformationObjectClass>>

class NRFFunction <<InformationObjectClass>>

class UDMFunction <<InformationObjectClass>>

class AUSFFunction <<InformationObjectClass>>

class "5G DDNMFFunction" <<InformationObjectClass>>

class AFFunction <<InformationObjectClass>>

class NWDAFFunction <<InformationObjectClass>>

class NSSAAFFunction <<InformationObjectClass>>

class CHFFFunction <<InformationObjectClass>>

class DCCFFunction <<InformationObjectClass>>

class MFAFFunction <<InformationObjectClass>>

class AANFFunction <<InformationObjectClass>>

class BSFFunction <<InformationObjectClass>>

class GMLCFunction <<InformationObjectClass>>

class TSCTSFFunction <<InformationObjectClass>>

class MBUPFFunction <<InformationObjectClass>>

class MBSMFFunction <<InformationObjectClass>>

class MNPFFunction <<InformationObjectClass>>

class ExternalSeppFunction <<InformationObjectClass>>

class UDSFFunction <<InformationObjectClass>>

ExternalNSSFFunction --|> ManagedFunction

LMFFunction --|> ManagedFunction

ExternalNRFFunction --|> ManagedFunction

NGEIRFunction --|> ManagedFunction

NSSFFunction --|> ManagedFunction

SCPFFunction --|> ManagedFunction

SEPPFFunction --|> ManagedFunction

SMSFFunction --|> ManagedFunction

UDRFunction --|> ManagedFunction

N3IWFFunction --|> ManagedFunction

NSACFFunction --|> ManagedFunction

EASDFFunction --|> ManagedFunction

NSSAAFFunction --|> ManagedFunction

MFAFFunction --|> ManagedFunction

AANFFunction --|> ManagedFunction

BSFFunction --|> ManagedFunction

MBUPFFunction --|> ManagedFunction

MNPFFunction --|> ManagedFunction

UDSFFunction --|> ManagedFunction

ManagedFunction <|-- AMFFunction

ManagedFunction <|-- SMFFunction

ManagedFunction <|-- ExternalAMFFunction

ManagedFunction <|-- UPFFunction

ManagedFunction <|-- PCFFunction

ManagedFunction <|-- NEFFunction

ManagedFunction <|-- NRFFunction

ManagedFunction <|-- UDMFunction

ManagedFunction <|-- AUSFFunction

ManagedFunction <|-- "5G DDNMFFunction"

ManagedFunction <|-- AFFunction

ManagedFunction <|-- NWDAFFunction

ManagedFunction <|-- CHFFFunction

ManagedFunction <|-- DCCFFunction

ManagedFunction <|-- GMLCFunction

ManagedFunction <|-- TSCTSFFunction

ManagedFunction <|-- MBSMFFunction

ManagedFunction <|-- ExternalSeppFunction

@enduml

## 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\_NLS <<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\_NL9 <<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\_NLS

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\_NL9

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

# Q.3 NetworkSlice NRM relationship diagram

## Q.3.1 The NetworkSlice NRM containment/naming relationship

@startuml TS 28.541 figure 6.2.1-1 (for Controller)

' UML diagram from 3GPP TS 28.541 clause 6

skinparam ClassStereotypeFontStyle normal

skinparam ClassBackgroundColor White

skinparam shadowing false

skinparam monochrome true

hide members

hide circle

class NetworkSlice <<InformationObjectClass>>

class ServiceProfile <<dataType>>

class NetworkSliceSubnet <<InformationObjectClass>>

class SliceProfile <<dataType>>

class ManagedFunction <<InformationObjectClass>>

class NetworkService <<OpenModelClass,Preliminary>>

class EP\_Transport <<InformationObjectClass>>

class VNF <<OpenModelClass,Preliminary>>

class NetworkSliceController <<InformationObjectClass>>

class NetworkSliceSubnetController <<InformationObjectClass>>

NetworkSlice "1 " -d-> "\*" ServiceProfile

NetworkSlice "1 " <-d-> "\*"  NetworkSliceController

NetworkSlice "0..1" -d-> "1" NetworkSliceSubnet

NetworkSliceSubnet "\*" o--> "\*" NetworkSliceSubnet

NetworkSliceSubnet "1" -d-> "\*" SliceProfile

NetworkSliceSubnet "1" <-d-> "\*"  NetworkSliceSubnetController

NetworkSliceSubnet "\*" o-d-> "\*" ManagedFunction

NetworkSliceSubnet "\*" -d-> "\*" NetworkService

NetworkSliceSubnet "\*" o-d-> "\*" EP\_Transport

ManagedFunction "0..1" -d-> "\*" VNF

NetworkService "\*" o-d- "\*" VNF : <<NsIncludesNf>>

@enduml

## Q.3.2 The Transport EP NRM containment/naming relationship

@startuml Figure 6.2.1-2: Transport EP NRM fragment relationship

hide empty members

hide circle

skinparam class {

BackgroundColor White

ArrowColor Black

BorderColor Black

}

skinparam ClassStereotypeFontStyle normal

skinparam backgroundColor white

skinparam classBackgroundColor white

skinparam classBorderColor black

skinparam Shadowing false

skinparam noteBackgroundColor white

skinparam noteBorderColor black

skinparam arrowColor black

top to bottom direction

class EP\_Transport <<InformationObjectClass>>

class EP\_Application <<ProxyClass>>

EP\_Transport "\*" -- "\*" EP\_Application

Note left of EP\_Application

This represents

EP\_N3 or EP\_NgU or EP\_F1U

end note

@enduml

## Q.3.3 The NetworkSlice NRM containment/naming relationship

@startuml Figure 6.2.1-3: containment relationship for network slice fragment

skinparam backgroundColor white

skinparam classBackgroundColor white

skinparam classBorderColor black

skinparam Shadowing false

skinparam noteBackgroundColor white

skinparam noteBorderColor white

skinparam arrowColor black

skinparam ClassStereotypeFontStyle normal

hide circle

hide method

hide members

class SubNetwork <<InformationObjectClass>>

class NetworkSlice <<InformationObjectClass>>

class NetworkSliceController <<InformationObjectClass>>

class NetworkSliceSubnet <<InformationObjectClass>>

class NetworkSliceSubnetController <<InformationObjectClass>>

class NetworkSliceSubnetProviderCapabilities <<InformationObjectClass>>

class EP\_Transport <<InformationObjectClass>>

SubNetwork "1" \*-- "\*" NetworkSlice: <<names>>

SubNetwork "1" \*-- "\*" NetworkSliceController: <<names>>

SubNetwork "1" \*-- "\*" NetworkSliceSubnet: <<names>>

SubNetwork "1" \*-- "\*" NetworkSliceSubnetController: <<names>>

SubNetwork "1" \*-- "\*" NetworkSliceSubnetProviderCapabilities: <<names>>

SubNetwork "1" \*-- "\*" EP\_Transport: <<names>>

@enduml

## Q.3.4 The feasibility check and resource reservation containment/naming relationship

@startuml Figure 6.2.1-4: containment relationship for feasibility check and resource reservation NRM fragment

skinparam backgroundColor white

skinparam classBackgroundColor white

skinparam classBorderColor black

skinparam Shadowing false

skinparam noteBackgroundColor white

skinparam noteBorderColor black

skinparam arrowColor black

skinparam ClassStereotypeFontStyle normal

hide circle

hide method

hide members

class ServiceProfile <<dataType>>

class SliceProfile <<dataType>>

class SubNetwork <<InformationObjectClass>>

class FeasibilityCheckAndReservationJob <<InformationObjectClass>>

SubNetwork "1" \*-- "\*" FeasibilityCheckAndReservationJob: <<names>>

FeasibilityCheckAndReservationJob "1" --> "1" ServiceProfile

FeasibilityCheckAndReservationJob "1" --> "1" SliceProfile

note "{XOR}" as Note1

Note1 .. ServiceProfile), (FeasibilityCheckAndReservationJob

Note1 .. SliceProfile), (FeasibilityCheckAndReservationJob, SliceProfile)

@enduml

## Q.3.5 The IsolationProfile NRM containment/naming relationship

@startuml Figure 6.2.1-4: containment relationship for isolation profile NRM fragment

skinparam backgroundColor white

skinparam classBackgroundColor white

skinparam classBorderColor black

skinparam Shadowing false

skinparam noteBackgroundColor white

skinparam noteBorderColor white

skinparam arrowColor black

skinparam ClassStereotypeFontStyle normal

hide circle

hide method

hide members

class SubNetwork <<InformationObjectClass>>

class IsolationProfile <<InformationObjectClass>>

SubNetwork "1" \*-- "\*" IsolationProfile: <<names>>

@enduml

## Q.3.6 The IsolationPofile to NetworkSlice relationship

@startuml Figure 6.2.1-4: Figure 6.2.1-6: IsolationProfile NRM fragment relationship related to NetworkSlice

skinparam backgroundColor white

skinparam classBackgroundColor white

skinparam classBorderColor black

skinparam Shadowing false

skinparam noteBackgroundColor white

skinparam noteBorderColor white

skinparam arrowColor black

skinparam ClassStereotypeFontStyle normal

hide circle

hide method

hide members

left to right direction

class NetworkSlice <<InformationObjectClass>>

class IsolationProfile <<InformationObjectClass>>

NetworkSlice "\*" <--> "1" IsolationProfile

@enduml

## Q.3.7 The IsolationPofile to NetworkSliceSubnet relationship

@startuml Figure 6.2.1-7: IsolationProfile NRM fragment relationship related to NetworkSliceSubnet

skinparam backgroundColor white

skinparam classBackgroundColor white

skinparam classBorderColor black

skinparam Shadowing false

skinparam noteBackgroundColor white

skinparam noteBorderColor white

skinparam arrowColor black

skinparam ClassStereotypeFontStyle normal

hide circle

hide method

hide members

left to right direction

class NetworkSliceSubnet <<InformationObjectClass>>

class IsolationProfile <<InformationObjectClass>>

NetworkSliceSubnet "\*" <--> "1" IsolationProfile

@enduml

# Q.4 NetworkSlice inheritance diagram

## Q.4.1 Network slice inheritance diagram

@startuml

skinparam backgroundColor white

skinparam classBackgroundColor white

skinparam classBorderColor black

skinparam Shadowing false

skinparam noteBackgroundColor white

skinparam noteBorderColor white

skinparam arrowColor black

skinparam ClassStereotypeFontStyle normal

hide circle

hide method

hide members

abstract class Top <<InformationObjectClass>>

class NetworkSlice <<InformationObjectClass>>

class NetworkSliceSubnet <<InformationObjectClass>>

class NetworkSliceSubnetProviderCapabilities <<InformationObjectClass>>

class EP\_Transport <<InformationObjectClass>>

class IsolationProfile <<InformationObjectClass>>

Top <|-- NetworkSlice

Top <|-- NetworkSliceSubnet

Top <|-- NetworkSliceSubnetProviderCapabilities

Top <|-- EP\_Transport

Top <|-- IsolationProfile

@enduml

## Q.4.2 Feasibility check inheritance diagram

@startuml

skinparam backgroundColor white

skinparam classBackgroundColor white

skinparam classBorderColor black

skinparam Shadowing false

skinparam noteBackgroundColor white

skinparam noteBorderColor white

skinparam arrowColor black

skinparam ClassStereotypeFontStyle normal

hide circle

hide method

hide members

abstract class Top <<InformationObjectClass>>

class FeasibilityCheckAndReservationJob <<InformationObjectClass>>

Top <|-- FeasibilityCheckAndReservationJob

@enduml

## Q.4.3 NetworkSliceController inheritance diagram

@startuml

skinparam backgroundColor white

skinparam classBackgroundColor white

skinparam classBorderColor black

skinparam Shadowing false

skinparam noteBackgroundColor white

skinparam noteBorderColor white

skinparam arrowColor black

skinparam ClassStereotypeFontStyle normal

hide circle

hide method

hide members

abstract class Top <<InformationObjectClass>>

class NetworkSliceController <<InformationObjectClass>>

class NetworkSliceSubnetController <<InformationObjectClass>>

Top <|-- NetworkSliceController

Top <|-- NetworkSliceSubnetController

@enduml

Annex R (informative):  
Change history

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Change history | | | | | | | |
| Date | Meeting | TDoc | CR | Rev | Cat | Subject/Comment | New version |
| 2018-09 | SA#81 |  |  |  |  | Upgrade to change control version | 15.0.0 |
| 2018-09 | SA#81 |  |  |  |  | EdiHelp review | 15.0.1 |
| 2018-12 | SA#82 | SP-181046 | 0001 | 1 | F | Fix issues raised by EditHelp | 15.1.0 |
| 2018-12 | SA#82 | SP-181046 | 0002 | 2 | F | Update NR Stage 2 definition to align with TS 37.340 for MR-DC | 15.1.0 |
| 2018-12 | SA#82 | SP-181046 | 0003 | 1 | F | Update NRM Stage 2 defintion to align with TS 23.501 for 5G architecture | 15.1.0 |
| 2018-12 | SA#82 | SP-181046 | 0005 | 1 | F | Update Stage 3 XML definition of NR to align with Stage 2 content | 15.1.0 |
| 2018-12 | SA#82 | SP-181046 | 0006 | 1 | F | Update Stage 3 JSON definition of NR to align with Stage 2 content | 15.1.0 |
| 2018-12 | SA#82 | SP-181046 | 0007 | 1 | F | Update Stage 3 YANG definition of NR to align with Stage 2 content | 15.1.0 |
| 2018-12 | SA#82 | SP-181046 | 0008 | 1 | F | Update Stage 3 XML definition of 5GC to align with Stage 2 content | 15.1.0 |
| 2018-12 | SA#82 | SP-181046 | 0009 | 1 | F | Update Stage 3 JSON definition of 5GC to align with Stage 2 content | 15.1.0 |
| 2018-12 | SA#82 | SP-181046 | 0011 | 1 | F | Update stage 3 XML definition of NS to align with Stage 2 content | 15.1.0 |
| 2018-12 | SA#82 | SP-181046 | 0012 | 1 | F | Update Stage 3 JSON definition of NS to align with Stage 2 content | 15.1.0 |
| 2018-12 | SA#82 | SP-181046 | 0013 | 1 | F | Update stage 3 YANG definition of NS to align with Stage 2 content | 15.1.0 |
| 2018-12 | SA#82 | SP-181046 | 0014 | 1 | F | Correct the term sNSSAIList and nRTAClist | 15.1.0 |
| 2018-12 | SA#82 | SP-181046 | 0015 | 1 | F | Update the inheritance hierarchy figure for NR NRM to include BWP IOC and NRSectorCarrier IOC | 15.1.0 |
| 2018-12 | SA#82 | SP-181046 | 0016 | 1 | F | Change the term nCGI to nCI | 15.1.0 |
| 2018-12 | SA#82 | SP-181046 | 0019 | 1 | F | Align properties of cell state | 15.1.0 |
| 2018-12 | SA#82 | SP-181046 | 0021 | 1 | F | Add missing attribute definition and condition | 15.1.0 |
| 2018-12 | SA#82 | SP-181047 | 0022 | 1 | F | Add missing detail definition for attribute | 15.1.0 |
| 2018-12 | SA#82 | SP-181047 | 0023 | 1 | F | Adding missing attribute, and correction of reference | 15.1.0 |
| 2018-12 | SA#82 | SP-181043 | 0025 | - | F | Remove NSSF from the abbrevations | 15.1.0 |
| 2018-12 | SA#82 | SP-181046 | 0027 | - | F | Replace symbol for network slice state management | 15.1.0 |
| 2018-12 | SA#82 | SP-181046 | 0031 | 1 | F | Remove the ExternalENBFunction definition | 15.1.0 |
| 2018-12 | SA#82 | SP-181046 | 0033 | 1 | F | Align the management of external function and cell with TS 28.658 | 15.1.0 |
| 2018-12 | SA#82 | SP-181156 | 0034 | 1 | F | Update NR NRM with Cell Relation | 15.1.0 |
| 2018-12 | SA#82 | SP-181156 | 0038 | 3 | F | RRM Policy enhancements | 15.1.0 |
| 2018-12 | SA#82 | SP-181156 | 0039 | 1 | F | Fix containment issue in YANG definition | 15.1.0 |
| 2018-12 | SA#82 | SP-181156 | 0040 | - | F | Implement minor corrections | 15.1.0 |
| 2018-12 | SA#82 | SP-181042 | 0041 | - | F | Update Stage 3 NRM for RRM Policy enhancements | 15.1.0 |
| 2019-03 | SA#83 | SP-190121 | 0043 | 1 | F | Align NR attributes definition related to SSB with corresponding NG-RAN IE definition | 15.2.0 |
| 2019-03 | SA#83 | SP-190121 | 0044 | 1 | F | Correct the use of nCI and PLMN | 15.2.0 |
| 2019-03 | SA#83 | SP-190121 | 0045 | - | F | Remove duplicate definition for ExternalNRCellCU | 15.2.0 |
| 2019-03 | SA#83 | SP-190121 | 0046 | 2 | F | Correct class diagram for view on external entities | 15.2.0 |
| 2019-03 | SA#83 | SP-190121 | 0047 | 1 | F | Correct the definition for resourceSharingLevel | 15.2.0 |
| 2019-03 | SA#83 | SP-190121 | 0048 | 1 | F | Correction of references | 15.2.0 |
| 2019-03 | SA#83 | SP-190121 | 0052 | 1 | F | Align the term mFIdList and constituentNSSIIdList | 15.2.0 |
| 2019-03 | SA#83 | SP-190121 | 0053 | 1 | F | Correct the definition of nSSIId | 15.2.0 |
| 2019-03 | SA#83 | SP-190121 | 0054 | 1 | F | Add missing attribute constraint for class definition of NSSFFunction | 15.2.0 |
| 2019-03 | SA#83 | SP-190121 | 0055 | 1 | F | Correct attribute constraints for RRMpolicy related attributes in NRCellCU | 15.2.0 |
| 2019-03 | SA#83 | SP-190121 | 0057 | - | F | Correct cardinality of End Point (EP) to target | 15.2.0 |
| 2019-03 | SA#83 | SP-190121 | 0058 | 0 | F | Correct Import table | 15.2.0 |
| 2019-03 | SA#83 | SP-190121 | 0059 | - | F | Remove ExternalNRCellCU.pLMNIdList | 15.2.0 |
| 2019-03 | SA#83 | SP-190121 | 0060 | - | F | Use 'bS' (not 'bs') to prefix all BS (base station) attributes | 15.2.0 |
| 2019-03 | SA#83 | SP-190121 | 0061 | 1 | F | Correction of State attributes descriptions | 15.2.0 |
| 2019-03 | SA#83 | SP-190121 | 0062 | - | F | Update 5G JSON Solution Set to align with generic NRM | 15.2.0 |
| 2019-03 | SA#83 | SP-190121 | 0063 | 1 | F | Update YANG Solution Set to align with Stage 2 definition | 15.2.0 |
| 2019-03 | SA#83 | SP-190121 | 0064 | 1 | F | Update Information Service to fix Network Slice modeling issue | 15.2.0 |
| 2019-03 | SA#83 | SP-190121 | 0065 | 1 | F | Update Solution Set to fix Network Slice modeling issue | 15.2.0 |
| 2019-03 | SA#83 | SP-190121 | 0066 | 1 | F | Add availability in service profile of network slice resource model | 15.2.0 |
| 2019-03 | SA#83 | SP-190121 | 0068 | 1 | F | Add sST attribute to ServiceProfile | 15.2.0 |
| 2019-03 | SA#83 | SP-190121 | 0069 | 1 | F | Update to sST attribute stage 3 | 15.2.0 |
| 2019-03 | SA#83 | SP-190149 | 0073 | 2 | F | Replace CoverageAreaTAList type definition | 16.0.0 |
| 2019-03 | SA#83 | SP-190149 | 0074 | 1 | F | Name datatypes SliceProfile and ServiceProfile | 16.0.0 |
| 2019-03 | SA#83 | SP-190149 | 0075 | 1 | F | Add datatype definition for S-NSSAI | 16.0.0 |
| 2019-03 | SA#83 | SP-190149 | 0076 | 1 | F | Remove incomplete description for TAC | 16.0.0 |
| 2019-03 | SA#83 | SP-190149 | 0079 | 1 | F | Name datatype RRMPolicyRatio2 | 16.0.0 |
| 2019-06 | SA#84 | SP-190374 | 0083 | - | A | Remove attribute availabilityStatus in NRCellDU IOC | 16.1.0 |
| 2019-06 | SA#84 | SP-190373 | 0085 | 1 | F | Correct the definition for nsInfo | 16.1.0 |
| 2019-06 | SA#84 | SP-190374 | 0088 | 1 | A | Update Information Service of NR to fix unclear Note issue | 16.1.0 |
| 2019-06 | SA#84 | SP-190373 | 0096 | 2 | A | Correct the use of plmnIdList | 16.1.0 |
| 2019-06 | SA#84 | SP-190373 | 0098 | 1 | F | Add missing clauses to RRMPolicyRatio2 data type | 16.1.0 |
| 2019-06 | SA#84 | SP-190373 | 0099 | 1 | F | Update RRMPolicyRatio2 data type name in stage 3 | 16.1.0 |
| 2019-06 | SA#84 | SP-190373 | 0102 | - | F | Fix the implementation errors | 16.1.0 |
| 2019-09 | SA#85 | SP-190745 | 0089 | 2 | B | Update 5GC Information Service to align with Managed Service Definition | 16.2.0 |
| 2019-09 | SA#85 | SP-190743 | 0107 | 1 | A | Correct description for NR deployment scenario | 16.2.0 |
| 2019-09 | SA#85 | SP-190743 | 0109 | 1 | A | Correct NR NRM model to be applicable for all NG-RAN architecture | 16.2.0 |
| 2019-09 | SA#85 | SP-190745 | 0114 | 1 | C | Support NF Profile management | 16.2.0 |
| 2019-09 | SA#85 | SP-190743 | 0121 | 1 | A | Clarification of sNSSAIList attribute | 16.2.0 |
| 2019-09 | SA#85 | SP-190744 | 0123 | - | A | Remove pLMNId from GNBDUFunction | 16.2.0 |
| 2019-09 | SA#85 | SP-190743 | 0126 | 2 | A | Update class definition with inheritance information | 16.2.0 |
| 2019-09 | SA#85 | SP-190743 | 0128 | 1 | A | Correct description of NRCellCU and NRCellDU to be applicable for all deployment scenarios | 16.2.0 |
| 2019-09 | SA#85 | SP-190743 | 0130 | - | A | Correct XML solution set for NR | 16.2.0 |
| 2019-09 | SA#85 | SP-190743 | 0132 | - | A | Correct XML solution set for Network slice | 16.2.0 |
| 2019-09 | SA#85 | SP-190750 | 0133 | 1 | F | Clarification on slice model | 16.2.0 |
| 2019-09 | SA#85 | SP-190743 | 0142 | 1 | A | Add YANG mount info | 16.2.0 |
| 2019-09 | SA#85 | SP-190743 | 0143 | - | A | Add YANG solution | 16.2.0 |
| 2019-09 | SA#85 | SP-190745 | 0149 | 1 | F | generate JSON definition for 5GC NRM based on new style guideline | 16.2.0 |
| 2019-09 | SA#85 | SP-190744 | 0150 | 1 | A | Fix NR NRM to add missed ID info | 16.2.0 |
| 2019-09 | SA#85 | SP-190744 | 0152 | - | F | XML Solution Set for 5GC | 16.2.0 |
| 2019-09 | SA#85 | SP-190744 | 0154 | - | A | Correct ETSI NFV reference | 16.2.0 |
| 2019-09 | SA#85 | SP-190744 | 0157 | 1 | A | generate JSON definition for Slice NRM based on new style guideline | 16.2.0 |
| 2019-09 | SA#85 | SP-190744 | 0158 | 1 | A | generate JSON definition for NR NRM based on new style guideline | 16.2.0 |
| 2019-12 | SA#86 | SP-191159 | 0146 | 3 | F | To syn up with v1540 stage 2 | 16.3.0 |
| 2019-12 | SA#86 | SP-191173 | 0156 | 2 | A | Correct Import table | 16.3.0 |
| 2019-12 | SA#86 | SP-191166 | 0161 | 1 | C | Extensions to PCF and UPF IOCs for support of TSC (Time Sensitive Communication) | 16.3.0 |
| 2019-12 | SA#86 | SP-191166 | 0166 | 1 | F | Correct XML solution set for NR | 16.3.0 |
| 2019-12 | SA#86 | SP-191166 | 0167 | 1 | F | Correct Network slice NRM | 16.3.0 |
| 2019-12 | SA#86 | SP-191173 | 0168 | 2 | A | Correct NR TAC attribute property | 16.3.0 |
| 2019-12 | SA#86 | SP-191173 | 0170 | - | A | Correction of the duplicated IOC NSSFFunction in daigram | 16.3.0 |
| 2019-12 | SA#86 | SP-191173 | 0172 | - | A | Correction of the wrong IOC names in transport view diagram---Not implemented, wrong baseline (MCC) | 16.3.0 |
| 2019-12 | SA#86 | SP-191166 | 0175 | 2 | F | XML Solution Set for 5GC | 16.3.0 |
| 2019-12 | SA#86 | SP-191170 | 0177 | 3 | C | Update on slice NRM | 16.3.0 |
| 2019-12 | SA#86 | SP-191170 | 0178 | 2 | B | Add relation of GST and profiles | 16.3.0 |
| 2019-12 | SA#86 | SP-191166 | 0180 | 3 | F | Update SEPP Stage 2 definition in 5GC NRM | 16.3.0 |
| 2019-12 | SA#86 | SP-191166 | 0182 | 1 | C | Add NEF Stage 2 definition in 5GC NRM | 16.3.0 |
| 2019-12 | SA#86 | SP-191166 | 0184 | 1 | C | Add SCP Stage 2 definition in 5GC NRM | 16.3.0 |
| 2019-12 | SA#86 | SP-191166 | 0185 | - | C | Add Stage 3 definitions of 5GC NRM to align with stage 2 | 16.3.0 |
| 2019-12 | SA#86 | SP-191166 | 0186 | 1 | C | Support communication model in 5GC NF - Stage 2 | 16.3.0 |
| 2019-12 | SA#86 | SP-191166 | 0192 | 1 | F | Fix merging errors of the specification | 16.3.0 |
| 2019-12 | SA#86 | SP-191166 | 0195 | - | C | Add State Handling diagram for NF service | 16.3.0 |
| 2019-12 | SA#86 | SP-191166 | 0197 | - | B | Updates to YANG SS | 16.3.0 |
| 2019-12 | SA#86 | SP-191170 | 0198 | 1 | C | Update XML definitions of ServiceProfile NRM | 16.3.0 |
| 2019-12 | SA#86 | SP-191170 | 0199 | 2 | C | Update JSON definitions of ServiceProfile NRM | 16.3.0 |
| 2019-12 | SA#86 | SP-191166 | 0200 | 1 | C | Add managedNFProfile definition for ngc NRM - stage3 | 16.3.0 |
| 2019-12 | SA#86 | SP-191166 | 0202 | 2 | B | Add the RIM monitoring parameters for remote interference management | 16.3.0 |
| 2019-12 | SA#86 | SP-191166 | 0212 | 2 | F | Correct Network slice NRM | 16.3.0 |
| 2019-12 | SA#86 | SP-191166 | 0213 | - | F | Update SEPP Stage 3 definition in 5GC NRM | 16.3.0 |
| 2019-12 | SA#86 | SP-191180 | 0222 | 2 | B | Management of NR ANR, Stage 2 | 16.3.0 |
| 2019-12 | SA#86 | SP-191180 | 0223 | - | B | Management of NR ANR, Stage 3 | 16.3.0 |
| 2019-12 | SA#86 | SP-191173 | 0226 | 1 | A | Add Stages 2 NRM Info Model definitions for beam managed object classes | 16.3.0 |
| 2019-12 | SA#86 | SP-191173 | 0227 | - | A | Add Stages 2 NRM Info Model definitions for beam managed object classes | 16.3.0 |
| 2020-03 | SA#87E | SP-200169 | 0163 | 4 | F | Correct the parameter sNSSAIList | 16.4.0 |
| 2020-03 | SA#87E | SP-200169 | 0179 | 3 | C | Update of RRM Policy | 16.4.0 |
| 2020-03 | SA#87E | SP-200169 | 0235 | - | F | Correction of reference | 16.4.0 |
| 2020-03 | SA#87E | SP-200169 | 0239 | 1 | F | Update the NR NRM to align with NG-RAN overview architecture | 16.4.0 |
| 2020-03 | SA#87E | SP-200169 | 0241 | - | F | Some correction on the NR NRM | 16.4.0 |
| 2020-03 | SA#87E | SP-200169 | 0242 | - | F | Fix merging errors of the specification | 16.4.0 |
| 2020-03 | SA#87E | SP-200169 | 0243 | 1 | F | Update NRM attribute definitions | 16.4.0 |
| 2020-03 | SA#87E | SP-200233 | 0245 | 2 | B | Add the RIM parameters for remote interference management | 16.4.0 |
| 2020-03 | SA#87E | SP-200234 | 0248 | 1 | F | Update on slice NRM and solution sets | 16.4.0 |
| 2020-03 | SA#87E | SP-200234 | 0250 | 1 | F | Update of GNBCUUPFunction NRM | 16.4.0 |
| 2020-03 | SA#87E | SP-200232 | 0253 | 2 | B | Add Stage 3 NRM Info Model definitions for RRMPolicy and PLMNInfo related CRs | 16.4.0 |
| 2020-03 | SA#87E | SP-200178 | 0254 | 1 | F | Correct CR implementation errors | 16.4.0 |
| 2020-03 | SA#87E | SP-200235 | 0255 | 1 | F | Add OpenAPI definitions required by the ProvMnS | 16.4.0 |
| 2020-03 | SA#87E | SP-200169 | 0258 |  | F | Correct errors in yang solution set | 16.4.0 |
| 2020-03 | SA#87E |  |  |  |  | Correction of implementation errrors | 16.4.1 |
| 2020-06 | SA#88-e | SP-200489 | 0259 | 1 | F | Update on the RRMpolicyRatio | 16.5.0 |
| 2020-06 | SA#88-e | SP-200493 | 0260 | - | F | Replace DN with better identifier for whitelists and blacklists management | 16.5.0 |
| 2020-06 | SA#88-e | SP-200603 | 0261 | 1 | B | Add IOC for control of QoS monitoring per QoS flow per UE | 16.5.0 |
| 2020-06 | SA#88-e | SP-200604 | 0262 | 1 | B | Add IOC for control of GTP-U path QoS monitoring | 16.5.0 |
| 2020-06 | SA#88-e | SP-200489 | 0263 | 1 | F | Correction of reference | 16.5.0 |
| 2020-06 | SA#88-e | SP-200493 | 0268 | - | B | ANR management for EN-DC architecture | 16.5.0 |
| 2020-06 | SA#88-e | SP-200484 | 0269 | 1 | F | Clarification on network slice related identifiers | 16.5.0 |
| 2020-06 | SA#88-e | SP-200484 | 0270 | - | F | Stage 3 update for clarification on network slice related identifiers | 16.5.0 |
| 2020-06 | SA#88-e | SP-200484 | 0274 | 1 | F | Correct sNSSAI definition in XML solution set | 16.5.0 |
| 2020-06 | SA#88-e | SP-200484 | 0275 | 1 | F | Clarify the NR NRM used for different deployment scenarios | 16.5.0 |
| 2020-06 | SA#88-e | SP-200484 | 0278 | - | F | Add missing notification types to the definition of common notifications | 16.5.0 |
| 2020-06 | SA#88-e | SP-200491 | 0279 | 1 | A | Update on NRCellDU | 16.5.0 |
| 2020-06 | SA#88-e | SP-200491 | 0281 | 1 | A | Update Clause 4.2.1.2 Inheritance UML diagram | 16.5.0 |
| 2020-06 | SA#88-e | SP-200490 | 0283 | 2 | B | new NRM fragment to support RIM stage 2 | 16.5.0 |
| 2020-06 | SA#88-e | SP-200490 | 0284 | 1 | B | new NRM fragment to support RIM stage 3 | 16.5.0 |
| 2020-06 | SA#88-e | SP-200489 | 0285 | - | F | Update stage 3 on the RRMpolicyRatio | 16.5.0 |
| 2020-06 | SA#88-e | SP-200605 | 0286 | 2 | B | Add IOC for configurable 5QIs | 16.5.0 |
| 2020-06 | SA#88-e | SP-200490 | 0287 | 1 | B | Add IOC for 5QI to DSCP mapping | 16.5.0 |
| 2020-06 | SA#88-e | SP-200493 | 0289 | - | B | Stage3 add the NRM fragment for SON management | 16.5.0 |
| 2020-06 | SA#88-e | SP-200493 | 0290 | - | B | ANR management for EN-DC architecture | 16.5.0 |
| 2020-06 | SA#88-e | SP-200493 | 0291 | 1 | B | Add the NRM fragment for SON management | 16.5.0 |
| 2020-06 | SA#88-e | SP-200490 | 0293 | - | F | Add CommModelList NRM definition | 16.5.0 |
| 2020-06 | SA#88-e | SP-200490 | 0294 | 1 | F | Update NRM attribute definitions | 16.5.0 |
| 2020-06 | SA#88-e | SP-200490 | 0295 | 1 | F | Correct NRM definition in XML solution | 16.5.0 |
| 2020-06 | SA#88-e | SP-200485 | 0300 | 1 | F | Clarification on the relation of GST, ServiceProfile and SliceProfile | 16.5.0 |
| 2020-06 | SA#88-e | SP-200496 | 0301 | 1 | B | Add ES coverage relation in NRCellRelation | 16.5.0 |
| 2020-06 | SA#88-e | SP-200490 | 0302 | - | F | Update the decription for RRMPolicy\_ and resouceType | 16.5.0 |
| 2020-06 | SA#88-e | SP-200490 | 0303 | - | F | Update definition for attribute localAddress in EP\_RP IOC | 16.5.0 |
| 2020-06 | SA#88-e | SP-200486 | 0305 | 1 | A | Correction of references | 16.5.0 |
| 2020-06 | SA#88-e | SP-200485 | 0306 | 1 | F | add transport information and slice mapping on backhaul endpoints | 16.5.0 |
| 2020-06 | SA#88-e | SP-200485 | 0307 | - | F | add transport information and slice mapping on backhaul endpoints stage 3 | 16.5.0 |
| 2020-06 | SA#88-e | SP-200490 | 0312 | 1 | F | Update SliceProfile attributes solution 1 | 16.5.0 |
| 2020-06 | SA#88-e | SP-200490 | 0315 | 1 | B | Add configuredMaxTxEIRP on NRSectorCarrier | 16.5.0 |
| 2020-06 | SA#88-e | SP-200490 | 0316 | - | B | Stage 3 Add configuredMaxTxEIRP on NRSectorCarrier | 16.5.0 |
| 2020-06 | SA#88-e | SP-200490 | 0318 | - | F | Update NRM YANG for 28.541 | 16.5.0 |
| 2020-06 | SA#88-e | SP-200496 | 0319 | - | B | Add ES coverage relation in NRCellRelation Stage 3 | 16.5.0 |
| 2020-06 | SA#88-e | SP-200612 | 0320 | 1 | F | Update openAPI for NRCellRelation and NRFreqRelation | 16.5.0 |
| 2020-09 | SA#89-e | SP-200729 | 0321 | - | F | Correction of NRM YANG errors | 16.6.0 |
| 2020-09 | SA#89-e | SP-200729 | 0322 | 1 | F | Correct on NR NRM | 16.6.0 |
| 2020-09 | SA#89-e | SP-200729 | 0323 | - | F | Correct the openAPI definition for NR NRM | 16.6.0 |
| 2020-09 | SA#89-e | SP-200730 | 0325 | - | A | Correct on frequency related IOC | 16.6.0 |
| 2020-09 | SA#89-e | SP-200729 | 0329 | 1 | B | Add IOC for predefined PCC rules | 16.6.0 |
| 2020-09 | SA#89-e | SP-200729 | 0330 | 2 | B | Add IOC for predefined PCC rules | 16.6.0 |
| 2020-09 | SA#89-e | SP-200729 | 0331 | - | B | Enable PCF to support configurable 5QIs | 16.6.0 |
| 2020-09 | SA#89-e | SP-200729 | 0332 | - | B | Add IOC for dynamic 5QIs - stage 2 | 16.6.0 |
| 2020-09 | SA#89-e | SP-200729 | 0333 | - | B | Add IOC for dynamic 5QIs - stage 3 | 16.6.0 |
| 2020-09 | SA#89-e | SP-200729 | 0334 | - | B | Add TCE mapping info in GNBCUCPFunction | 16.6.0 |
| 2020-09 | SA#89-e | SP-200729 | 0335 | - | B | Add TCE mapping info in openAPI solution | 16.6.0 |
| 2020-09 | SA#89-e | SP-200729 | 0336 | - | F | Add missing definitions for perfReq | 16.6.0 |
| 2020-09 | SA#89-e | SP-200754 | 0338 | 1 | F | Delete supportedAccessTech to align with GST | 16.6.0 |
| 2020-09 | SA#89-e | SP-200724 | 0339 | - | F | Correction on duplicated annex numbering | 16.6.0 |
| 2020-09 | SA#89-e | SP-200729 | 0345 | - | F | Update NRM attribute definitions | 16.6.0 |
| 2020-09 | SA#89-e | SP-200749 | 0362 | - | F | Deleting SupportedAccessTech - Stage 3 - XML | 16.6.0 |
| 2020-09 | SA#89-e | SP-200724 | 0368 | 1 | F | Add relation between transport and application level endpoints | 16.6.0 |
| 2020-09 | SA#89-e | SP-200724 | 0369 | - | F | Add relation between transport and application level endpoints stage 3 | 16.6.0 |
| 2020-09 | SA#89-e | SP-200729 | 0370 | 1 | F | Cleanup stage 2 editorial issue and stage 3 yaml error | 16.6.0 |
| 2020-09 | SA#89-e | SP-200749 | 0371 | - | F | Add clarifying note to ServiceProfile | 16.6.0 |
| 2020-09 | SA#89-e | SP-200752 | 0337 | - | B | Add the MLB support indicator in NRcellrelation | 17.0.0 |
| 2020-09 | SA#89-e | SP-200749 | 0341 | 1 | F | Update maxNumberofConns | 17.0.0 |
| 2020-09 | SA#89-e | SP-200749 | 0342 | - | B | Add NB-IoT support in ServiceProfile | 17.0.0 |
| 2020-09 | SA#89-e | SP-200729 | 0366 | 1 | B | Addition of attribute for network slice supporting maximum of data volume | 17.0.0 |
| 2020-11 |  |  |  |  |  | No technical changes. Cleanup of diverse issues in order to improve performance of the file: hidden XML, watermarks,etc.. | 17.0.1 |
| 2020-12 | SA#90e | SP-201057 | 0380 | - | A | Correct the definition for configurable5QI and dynamic5QI | 17.1.0 |
| 2020-12 | SA#90e | SP-201066 | 0382 | 1 | F | Change RACH control attributes from beam to cell | 17.1.0 |
| 2020-12 | SA#90e | SP-201045 | 0384 | 1 | A | Move Distributed RACH control IOC from CU to DU | 17.1.0 |
| 2020-12 | SA#90e | SP-201045 | 0386 | 2 | A | Move Distributed PCI control IOC from DU to CU | 17.1.0 |
| 2020-12 | SA#90e | SP-201057 | 0388 | - | A | Correction of cell neighbour relations related attributes in openAPI solution | 17.1.0 |
| 2020-12 | SA#90e | SP-201057 | 0393 | - | A | Correction of NRM YANG errors | 17.1.0 |
| 2020-12 | SA#90e | SP-201057 | 0395 | 1 | A | Correct Network slice NRM | 17.1.0 |
| 2020-12 | SA#90e | SP-201053 | 0399 | 1 | A | Fix description related to service profile | 17.1.0 |
| 2020-12 | SA#90e | SP-201050 | 0405 | - | A | Add containment relationship for network slice IOCs | 17.1.0 |
| 2020-12 | SA#90e | SP-201050 | 0406 | - | F | Add containment relationship for network slice IOCs stage 3 | 17.1.0 |
| 2020-12 | SA#90e | SP-201045 | 0407 | - | F | Add subclause reference of MRO related attribute | 17.1.0 |
| 2020-12 | SA#90e | SP-201089 | 0410 | 1 | A | Correction of NRM YANG errors | 17.1.0 |
| 2020-12 | SA#90e | SP-201089 | 0412 | - | A | YANG improvements | 17.1.0 |
| 2020-12 | SA#90e | SP-201056 | 0414 | - | A | Add serviceProfileId and sliceProfileId to stage 3 yaml | 17.1.0 |
| 2020-12 | SA#90e | SP-201089 | 0419 | - | A | Update notifyThresholdCrossing to be a common notification. | 17.1.0 |
| 2020-12 | SA#90e | SP-201089 | 0421 | - | A | pLMNInfoList faulty attribute definition | 17.1.0 |
| 2020-12 | SA#90e | SP-201089 | 0423 | - | A | Fix containment relationship for EP\_Transport IOC | 17.1.0 |
| 2021-03 | SA#91e | SP-210153 | 0432 | 1 | A | Correction on Dynamic5QISet IOC based on LS reply from SA2 | 17.2.0 |
| 2021-03 | SA#91e | SP-210154 | 0435 | 3 | A | Correct the NF name in definition of EP\_NgU | 17.2.0 |
| 2021-03 | SA#91e | SP-210153 | 0440 | - | A | Add missing inheritance description information in the attribute definition for several IOCs | 17.2.0 |
| 2021-03 | SA#91e | SP-210153 | 0442 | 2 | A | Correct multiplicity issue for several attributes of NR NRM | 17.2.0 |
| 2021-03 | SA#91e | SP-210146 | 0445 | 2 | A | Fix containment relationship for EP\_Transport IOC | 17.2.0 |
| 2021-03 | SA#91e | SP-210155 | 0457 | - | C | Remove the XML Solution set | 17.2.0 |
| 2021-03 | SA#91e | SP-210144 | 0459 | 1 | B | Update the information model definitions for network slice NRM | 17.2.0 |
| 2021-03 | SA#91e | SP-210143 | 0461 | 1 | A | Update of the PCI and DESManagementFunction | 17.2.0 |
| 2021-03 | SA#91e | SP-210154 | 0467 | 1 | A | Correction to NSI and NSSI state management | 17.2.0 |
| 2021-03 | SA#91e | SP-210155 | 0472 | - | A | YANG compilation error and missing stage 2 corrections | 17.2.0 |
| 2021-03 | SA#91e | SP-210146 | 0474 | - | A | Fix compilation and other errors | 17.2.0 |
| 2021-03 | SA#91e |  |  |  |  | Fixing CR implementation error in E.5.13 | 17.2.1 |
| 2021-06 | SA#92e | SP-210407 | 0430 | 4 | F | Correction of ServiceProfile attributes | 17.3.0 |
| 2021-06 | SA#92e | SP-210410 | 0479 | 1 | B | Add positioning support in RANSliceSubnetProfile | 17.3.0 |
| 2021-06 | SA#92e | SP-210410 | 0480 | 1 | B | OpenAPI of adding positioning support in RANSliceSubnetProfile | 17.3.0 |
| 2021-06 | SA#92e | SP-210410 | 0481 | 1 | B | Add synchronicity support in RANSliceSubnetProfile | 17.3.0 |
| 2021-06 | SA#92e | SP-210410 | 0482 | 1 | B | OpenAPI of adding synchronicity support in RANSliceSubnetProfile | 17.3.0 |
| 2021-06 | SA#92e | SP-210410 | 0485 | 1 | C | perfReq mapping to domain specific attributes | 17.3.0 |
| 2021-06 | SA#92e | SP-210410 | 0486 | 1 | B | Add reliability to CN SliceProfile | 17.3.0 |
| 2021-06 | SA#92e | SP-210401 | 0487 | 1 | B | Enhancement of NRM definition for the NWDAF - Stage 2 | 17.3.0 |
| 2021-06 | SA#92e | SP-210401 | 0488 | 1 | B | OpenAPI Enhancement of NRM definition for the NWDAF | 17.3.0 |
| 2021-06 | SA#92e | SP-210411 | 0490 | - | A | Correct the description for GNBDUFunction and EP\_NgC | 17.3.0 |
| 2021-06 | SA#92e | SP-210401 | 0491 | 1 | F | Improve the readability of EP\_Transport | 17.3.0 |
| 2021-06 | SA#92e | SP-210465 | 0493 | 2 | B | Add energyEfficiency attribute | 17.3.0 |
| 2021-06 | SA#92e | SP-210410 | 0495 | 1 | B | enhance 5GC NRM to support network slice admission control | 17.3.0 |
| 2021-06 | SA#92e | SP-210407 | 0498 | 1 | F | Add note for RRMPolicy | 17.3.0 |
| 2021-06 | SA#92e | SP-210467 | 0499 | 1 | F | Inclusive language review | 17.3.0 |
| 2021-06 | SA#92e | SP-210406 | 0501 | 1 | A | Fix editorial issue of network slice NRM | 17.3.0 |
| 2021-06 | SA#92e | SP-210406 | 0503 | 1 | A | fix inheritance relation of network slice NRM | 17.3.0 |
| 2021-06 | SA#92e | SP-210406 | 0506 | 1 | C | Correction of 5QI definitions in NRM | 17.3.0 |
| 2021-06 | SA#92e | SP-210410 | 0508 | - | F | Correction on mapping GST attributes | 17.3.0 |
| 2021-06 | SA#92e | SP-210411 | 0510 | - | A | Correct inconsistencies in definitions around network slice management | 17.3.0 |
| 2021-06 | SA#92e | SP-210406 | 0514 | 1 | A | Correction to definition for domain centralized SON | 17.3.0 |
| 2021-09 | SA#93e | SP-210871 | 0518 | - | A | YANG NR-NRM model structure repair and cleanup | 17.4.0 |
| 2021-09 | SA#93e | SP-210870 | 0520 | - | C | Use of TopSliceSubnetProfile | 17.4.0 |
| 2021-09 | SA#93e | SP-210885 | 0522 | - | A | Deprecate Top-Attr and use Top instead | 17.4.0 |
| 2021-09 | SA#93e | SP-210885 | 0524 | - | A | Fix incorrect attributes inheritance description | 17.4.0 |
| 2021-09 | SA#93e | SP-210870 | 0525 | - | B | Add survival time to CNSliceProfile | 17.4.0 |
| 2021-09 | SA#93e | SP-210867 | 0526 | 1 | B | Add NRM IOC definitions for N5, N70 and N71 reference points | 17.4.0 |
| 2021-09 | SA#93e | SP-210867 | 0527 | 1 | B | Adding NRM for N33 | 17.4.0 |
| 2021-09 | SA#93e | SP-210867 | 0528 | - | B | Enhance 5GC NRM to support 5G\_DDNMF | 17.4.0 |
| 2021-09 | SA#93e | SP-210871 | 0530 | - | A | Remove the attribute definition which is not used | 17.4.0 |
| 2021-09 | SA#93e | SP-210882 | 0531 | 1 | B | Add NPN Identity on NR cell to support access control for NPN UEs | 17.4.0 |
| 2021-09 | SA#93e | SP-210871 | 0534 | 1 | A | Fix the issue caused by the updated NetworkSliceSubnet inheritence relationship | 17.4.0 |
| 2021-09 | SA#93e | SP-210867 | 0535 | 1 | F | Update logicInterfaceId of EP\_transport | 17.4.0 |
| 2021-09 | SA#93e | SP-210870 | 0539 | 1 | B | Add radio spectrum support in slicing profiles | 17.4.0 |
| 2021-09 | SA#93e | SP-210870 | 0542 | - | C | Update maxPktSize and determinComm to support UL and DL requirements | 17.4.0 |
| 2021-09 | SA#93e | SP-210870 | 0543 | - | F | Remove obsolete coverageArea attribute in TopSliceSubnetProfile | 17.4.0 |
| 2021-09 | SA#93e | SP-210871 | 0545 |  | A | Correction for attribute description of servAttrCom | 17.4.0 |
| 2021-09 | SA#93e | SP-210871 | 0547 | - | A | Correcion of YAML references | 17.4.0 |
| 2021-09 | SA#93e | SP-210871 | 0548 | - | F | Revise description of NextHopInfo and qosProfileRefList attribute in EP\_transport IOC | 17.4.0 |
| 2021-09 | SA#93e | SP-210867 | 0549 |  | C | Update resourceType PRB for UL (Uplink) and DL (Downlink) | 17.4.0 |
| 2021-09 | SA#93e | SP-210887 | 0551 | - | F | Correction of ServiceProfile | 17.4.0 |
| 2021-09 | SA#93e | SP-210887 | 0554 | - | B | Enhance 5G Core AMF NRM fragment | 17.4.0 |
| 2021-09 | SA#93e | SP-210885 | 0555 | - | A | Remove isINEF attribute from NEFFunction IOC | 17.4.0 |
| 2021-09 | SA#93e | SP-210871 | 0556 | - | A | YANG updates to correct YANG merging problems | 17.4.0 |
| 2021-09 | SA#93e | SP-210885 | 0557 | 1 | A | Fix inconsistent clauses and attributes used in TS 38.211 and TS 28.541 | 17.4.0 |
| 2021-09 | SA#93e | SP-210871 | 0558 | 1 | A | Moving RIM monitoring related attributes to NRCellDU | 17.4.0 |
| 2021-09 | SA#93e | SP-210867 | 0559 | 1 | C | Extend NRM fragment to support EP\_transport for mid-haul | 17.4.0 |
| 2021-09 | SA#93e | SP-210867 | 0562 | - | B | Enhance 5G Core managed NF Profile NRM fragment | 17.4.0 |
| 2021-09 | SA#93e | SP-210867 | 0564 | - | F | Delete AMFInfo datatype in NRM fragment | 17.4.0 |
| 2021-09 | SA#93e | SP-210867 | 0566 | 1 | F | Correction of YANG Solution set | 17.4.0 |
| 2021-09 | SA#93e | SP-210867 | 0568 | - | F | Add missing openAPI definition update for S5-213508 | 17.4.0 |
| 2021-12 | SA#94e | SP-211471 | 0468 | 3 | B | Update NR NRM to support MOCN network sharing scenario | 17.5.0 |
| 2021-12 | SA#94e | SP-211472 | 0571 | - | A | Align different (abbreviated) names for support qualifier to S | 17.5.0 |
| 2021-12 | SA#94e | SP-211454 | 0575 | 1 | A | Clarify the usage of pLMNId in first entry in pLMNInfoList | 17.5.0 |
| 2021-12 | SA#94e | SP-211452 | 0576 | 1 | B | Add Stage 2 solutions to support D-LBO | 17.5.0 |
| 2021-12 | SA#94e | SP-211452 | 0577 | 1 | B | Add Stage 3 solutions to support D-LBO | 17.5.0 |
| 2021-12 | SA#94e | SP-211466 | 0578 | - | C | Update latency to support UL and DL requirements | 17.5.0 |
| 2021-12 | SA#94e | SP-211466 | 0579 | - | F | Align attribute names for CNSliceSubnetProfile | 17.5.0 |
| 2021-12 | SA#94e | SP-211473 | 0580 | - | F | YAML update for RRMPolicy | 17.5.0 |
| 2021-12 | SA#94e | SP-211473 | 0581 | 1 | B | Add attribute networkSliceSubnetType for NetworkSliceSubnet IOC | 17.5.0 |
| 2021-12 | SA#94e | SP-211473 | 0582 | 1 | C | Add maxnumber of PDU Sessions in NsacfInfoSnssai | 17.5.0 |
| 2021-12 | SA#94e | SP-211473 | 0583 | 1 | C | Add serving area information for NSACF discovery and selection | 17.5.0 |
| 2021-12 | SA#94e | SP-211473 | 0584 | 1 | C | Enhance NRM to support local NEF selection | 17.5.0 |
| 2021-12 | SA#94e | SP-211473 | 0585 | 1 | C | Update NRM to support EASDF | 17.5.0 |
| 2021-12 | SA#94e | SP-211466 | 0587 | 1 | F | Update relationship between GST and Network Slice NRM fragment | 17.5.0 |
| 2021-12 | SA#94e | SP-211454 | 0589 | 1 | A | cNSIId description clarificaiton | 17.5.0 |
| 2021-12 | SA#94e | SP-211454 | 0591 | 1 | A | Correct NRM for AMFRegion and AMFSet | 17.5.0 |
| 2021-12 | SA#94e | SP-211457 | 0592 |  | B | Adding transport view NRM from 5GC to EDN | 17.5.0 |
| 2021-12 | SA#94e | SP-211462 | 0595 | 1 | A | DMRO correction | 17.5.0 |
| 2021-12 | SA#94e | SP-211466 | 0599 | 1 | D | Introduce missing GST references | 17.5.0 |
| 2021-12 | SA#94e | SP-211473 | 0600 | 1 | B | Enhance 5G Core managed NF Profile NRM fragment (Stage 2) | 17.5.0 |
| 2021-12 | SA#94e | SP-211473 | 0601 | 1 | B | 5GC NRM enhancements for AMFFunction and ManagedNFProfile (Stage 3) | 17.5.0 |
| 2021-12 | SA#94e | SP-211473 | 0602 | 1 | B | NR NRM additions to support 5GC enhancements (Stage 3) | 17.5.0 |
| 2021-12 | SA#94e | SP-211454 | 0604 | - | A | Correct PLMNInfo support qualifier | 17.5.0 |
| 2021-12 | SA#94e | SP-211464 | 0606 | 1 | A | Clarify tenant relationship with ServiceProfileId | 17.5.0 |
| 2021-12 | SA#94e | SP-211473 | 0607 | - | F | Correction of YANG Solution set | 17.5.0 |
| 2021-12 | SA#94e | SP-211474 | 0608 | 1 | B | NRM for CHO | 17.5.0 |
| 2021-12 | SA#94e | SP-211474 | 0609 | 1 | B | NRM for CHO Stage 3 | 17.5.0 |
| 2021-12 | SA#94e | SP-211474 | 0610 | 1 | B | NRM for DAPS handover | 17.5.0 |
| 2021-12 | SA#94e | SP-211474 | 0611 | 1 | B | NRM for DAPS Stage 3 | 17.5.0 |
| 2021-12 | SA#94e | SP-211466 | 0612 | - | F | Remove editor notes | 17.5.0 |
| 2021-12 | SA#94e | SP-211473 | 0613 | - | F | Update 5GC NRM for 5G\_DDNMF reference point | 17.5.0 |
| 2021-12 | SA#94e | SP-211463 | 0619 | 1 | D | Update inclusive language modification for TS 28.541 | 17.5.0 |
| 2021-12 | SA#94e | SP-211475 | 0621 | - | A | Correct the wrong reference for TS 32.160 | 17.5.0 |
| 2021-12 | SA#94e | SP-211471 | 0622 | - | B | Add YAML solution set for NG-RAN MOCN network sharing scenarios | 17.5.0 |
| 2021-12 | SA#94e | SP-211472 | 0624 | - | A | Fix stage3 definition for plmnId | 17.5.0 |
| 2021-12 | SA#94e | SP-211466 | 0626 | 1 | B | network slice protection on N6 interface | 17.5.0 |
| 2021-12 | SA#94e | SP-211466 | 0627 | 1 | B | network slice specific authentication | 17.5.0 |
| 2021-12 | SA#94e | SP-211473 | 0629 | 1 | B | Enhance NRM of UDM function | 17.5.0 |
| 2021-12 | SA#94e | SP-211473 | 0630 | 1 | F | Stage3 Update for UPF and PCF | 17.5.0 |
| 2021-12 | SA#94e | SP-211473 | 0631 | 1 | F | Introduce missing attribute nRFreqRelationRef in table of attribute properties (stage 2) | 17.5.0 |
| 2021-12 | SA#94e | SP-211473 | 0634 | 1 | F | Correct attribute in IOC NRCellRelation (stage 3) | 17.5.0 |
| 2021-12 | SA#94e | SP-211473 | 0636 | 1 | B | Enhance 5G Core managed NF Profile NRM fragment (Stage 2) | 17.5.0 |
| 2021-12 | SA#94e | SP-211473 | 0637 | 1 | B | 5GC NRM enhancements for ManagedNFProfile (Stage 3) | 17.5.0 |
| 2021-12 | SA#94e | SP-211475 | 0638 | - | A | Correct spelling of Attribute properties | 17.5.0 |
| 2022-03 | SA#95e | SP-220182 | 0633 | 2 | C | Update maximumDeviationHoTrigger | 17.6.0 |
| 2022-03 | SA#95e | SP-220168 | 0641 | - | F | Fix stage3 definition for 5G\_DDNMF | 17.6.0 |
| 2022-03 | SA#95e | SP-220168 | 0643 | - | F | YANG corrections | 17.6.0 |
| 2022-03 | SA#95e | SP-220168 | 0644 | - | F | Fixing lists errors in AmfFunction-Single (stage 3) | 17.6.0 |
| 2022-03 | SA#95e | SP-200176 | 0645 | 1 | F | Update RANSliceSubnetProfile attributes | 17.6.0 |
| 2022-03 | SA#95e | SP-220182 | 0649 | - | F | Correct NRM fragment for DMRO Management | 17.6.0 |
| 2022-03 | SA#95e | SP-220173 | 0650 | 1 | B | Add Stage 2 solutions to support ECM | 17.6.0 |
| 2022-03 | SA#95e | SP-220176 | 0651 | 1 | F | Update energy efficiency attribute | 17.6.0 |
| 2022-03 | SA#95e | SP-220184 | 0652 | 1 | F | Alignment on NR NRM for MOCN network sharing | 17.6.0 |
| 2022-03 | SA#95e | SP-220184 | 0653 | 1 | B | Add administrativeState attribute in NROperatorCellDU | 17.6.0 |
| 2022-03 | SA#95e | SP-220179 | 0655 | - | A | Remove incorrect reference to TS 22.104 | 17.6.0 |
| 2022-03 | SA#95e | SP-220168 | 0658 | 1 | B | NRM enhacements for SMFFunction | 17.6.0 |
| 2022-03 | SA#95e | SP-220182 | 0659 | 1 | B | Add C-SON CCO NRM model stage3 | 17.6.0 |
| 2022-03 | SA#95e | SP-220182 | 0660 | 1 | B | Add C-SON CCO NRM model stage2 | 17.6.0 |
| 2022-03 | SA#95e | SP-220176 | 0666 | 1 | F | Clean up of eMA5SLA | 17.6.0 |
| 2022-03 | SA#95e | SP-200168 | 0667 | - | F | Update 5G NRM to solve CR clash in Figure 5.2.1.2-2 | 17.6.0 |
| 2022-03 | SA#95e | SP-200168 | 0670 | 1 | B | NRM enhancements for the SMFFunction (stage 3) | 17.6.0 |
| 2022-03 | SA#95e | SP-220178 | 0672 | - | F | Correct YANG Network Slice NRM solution set reference | 17.6.0 |
| 2022-03 | SA#95e | SP-200168 | 0674 | 1 | F | Update 5GC NRM for 5G\_DDNMF | 17.6.0 |
| 2022-03 | SA#95e | SP-220179 | 0678 | - | A | Correct YANG mapping in TS document | 17.6.0 |
| 2022-03 | SA#95e | SP-220168 | 0679 | - | F | Correct NR YAML in TS document | 17.6.0 |
| 2022-03 | SA#95e | SP-220168 | 0680 | - | F | Correct 5GC YAML in TS document | 17.6.0 |
| 2022-03 | SA#95e | SP-220168 | 0681 | - | F | Correct Network Slicing YAML in TS document | 17.6.0 |
| 2022-03 | SA#95e | SP-220173 | 0682 | - | B | Add Stage 3 solutions to support ECM | 17.6.0 |
| 2022-03 | SA#96 | SP-220507 | 0642 | 2 | F | Update Figure L.2.1 and accompanying paragraph. | 17.7.0 |
| 2022-03 | SA#96 | SP-220508 | 0683 | - | F | Correct maximumDeviationHoTrigger for D-LBO | 17.7.0 |
| 2022-03 | SA#96 | SP-220497 | 0685 | - | A | Diagram fix for NRM fragment for RRM policies | 17.7.0 |
| 2022-03 | SA#96 | SP-220497 | 0689 | - | A | Fixing OpenAPI Discoverability issue in stage 3 5gcNrm.yaml | 17.7.0 |
| 2022-03 | SA#96 | SP-220497 | 0690 | - | A | Fixing OpenAPI Discoverability issue in stage 3- nrNrm.yaml | 17.7.0 |
| 2022-03 | SA#96 | SP-220497 | 0691 | - | A | Fixing OpenAPI Discoverability issue in stage 3 sliceNrm.yaml | 17.7.0 |
| 2022-03 | SA#96 | SP-220498 | 0693 | - | A | CT OpenAPI file relative-path URI references and dependence change for 5gcNrm.yaml | 17.7.0 |
| 2022-03 | SA#96 | SP-220564 | 0694 | - | F | Fixing a few issues with attribute related to nextHopInfoList in EP\_transport | 17.7.0 |
| 2022-03 | SA#96 | SP-220498 | 0698 | 1 | A | OpenAPI file name and dependence change for 5gcNrm.yaml | 17.7.0 |
| 2022-03 | SA#96 | SP-220498 | 0699 | 1 | A | OpenAPI file name and dependence change for nrNrm.yaml | 17.7.0 |
| 2022-03 | SA#96 | SP-220498 | 0700 | 1 | A | OpenAPI file name and dependence change for sliceNrm.yaml | 17.7.0 |
| 2022-03 | SA#96 | SP-220498 | 0702 | - | A | Correction to RRMPolicy\_ IOC reference in RRMPolicyRatio IOC | 17.7.0 |
| 2022-03 | SA#96 | SP-220498 | 0704 | - | A | Add attribute properties for NetworkSliceSubnet attribute priorityLabel | 17.7.0 |
| 2022-03 | SA#96 | SP-220564 | 0705 | - | F | Fix to change Support Qualifier to S | 17.7.0 |
| 2022-03 | SA#96 | SP-220564 | 0706 | - | F | Define LogicInterfaceInfo datatype and fix attribute properties for logicInterfaceInfo | 17.7.0 |
| 2022-03 | SA#96 | SP-220564 | 0708 | 1 | F | Fixing attribute properties for ServiceProfile attribute networkSliceSharingIndicator | 17.7.0 |
| 2022-03 | SA#96 | SP-220510 | 0710 | 1 | A | Correct isOrdered-isUnique for multivalue attributes | 17.7.0 |
| 2022-03 | SA#96 | SP-220499 | 0712 | 1 | B | Network slice subnet provider capability IOC | 17.7.0 |
| 2022-03 | SA#96 | SP-220507 | 0715 | - | F | Correction on two SLA attributes | 17.7.0 |
| 2022-03 | SA#96 | SP-220507 | 0716 | - | F | Correction on attribute latency of SubnetProfiles | 17.7.0 |
| 2022-03 | SA#96 | SP-220510 | 0719 | - | A | Correction on minor errors in nrNRM.yaml | 17.7.0 |
| 2022-03 | SA#96 | SP-220510 | 0721 | - | A | Correction on the attribution definition in the wrong yaml file | 17.7.0 |
| 2022-03 | SA#96 | SP-220499 | 0722 | - | B | Add feasibility check NRM fragment | 17.7.0 |
| 2022-03 | SA#96 | SP-220509 | 0723 | - | F | Address the unnecessary reference for the yaml file | 17.7.0 |
| 2022-03 | SA#96 | SP-220510 | 0727 | - | A | Fix BWP association in NRCellDU | 17.7.0 |
| 2022-03 | SA#96 | SP-220510 | 0729 | - | A | Update 5QI set description - YANG module | 17.7.0 |
| 2022-03 | SA#96 | SP-220510 | 0731 | - | A | Update 5QI set reference attribute definition | 17.7.0 |
| 2022-03 | SA#96 | SP-220511 | 0711 | - | B | Access specific GST configuration | 18.0.0 |
| 2022-09 | SA#97e | SP-220847 | 0732 | - | B | Enhance 5G Core managed NF Profile NRM fragment | 18.1.0 |
| 2022-09 | SA#97e | SP-220847 | 0733 | - | B | NRM enhancements for UPFFunction | 18.1.0 |
| 2022-09 | SA#97e | SP-220847 | 0734 | - | C | NRM enhancements for NSSFFunction | 18.1.0 |
| 2022-09 | SA#97e | SP-220847 | 0735 | 1 | B | NRM enhancements for PCFFunction | 18.1.0 |
| 2022-09 | SA#97e | SP-220847 | 0736 | 1 | B | NRM enhancements for UDMFunction | 18.1.0 |
| 2022-09 | SA#97e | SP-220847 | 0737 | 1 | B | NRM enhancements for UDRFunction | 18.1.0 |
| 2022-09 | SA#97e | SP-220849 | 0741 | 1 | A | FiveQICharacteristics inheritance issue and reference issue in stage 3 | 18.1.0 |
| 2022-09 | SA#97e | SP-220859 | 0743 | 1 | A | Fix inconsistency in AMFFunction stage 2 and stage 3 | 18.1.0 |
| 2022-09 | SA#97e | SP-220849 | 0745 | - | A | Correction to DESManagementFunction and CESManagementFunction | 18.1.0 |
| 2022-09 | SA#97e | SP-220849 | 0748 | 1 | A | Correction to serviceType attribute | 18.1.0 |
| 2022-09 | SA#97e | SP-220847 | 0755 | 1 | B | Add BWP Set configuration support in NRM (stage 2) | 18.1.0 |
| 2022-09 | SA#97e | SP-220847 | 0756 | - | B | Add BWP Set configuration support in NRM (stage 3, YANG) | 18.1.0 |
| 2022-09 | SA#97e | SP-220859 | 0758 | 1 | A | Update stage2 and stage3 definition for FeasibilityCheckAndReservationJob | 18.1.0 |
| 2022-09 | SA#97e | SP-220859 | 0760 | - | A | Add missing notifyMOIChanges in configuration notification table | 18.1.0 |
| 2022-09 | SA#97e | SP-220861 | 0762 | - | A | Correction on two SLA attributes | 18.1.0 |
| 2022-09 | SA#97e | SP-220847 | 0764 | 1 | B | Add BWP set support to NRM (Stage3, YAML) | 18.1.0 |
| 2022-09 | SA#97e | SP-220847 | 0765 | 1 | B | Update NWDAFFunction IOC to support management and control purpose | 18.1.0 |
| 2022-09 | SA#97e | SP-220859 | 0767 | 1 | A | Update EASDF IOC | 18.1.0 |
| 2022-09 | SA#97e | SP-220849 | 0770 | - | F | YANG Corrections | 18.1.0 |
| 2022-09 | SA#97e | SP-220849 | 0772 | - | A | Add missing attributes n6Protection and nssaaSupport defined in CNSliceSubnetProfile to TopSliceSubnetProfile | 18.1.0 |
| 2022-09 | SA#97e | SP-220849 | 0774 | - | A | fix TaiList issues in stage 3 in TS28541\_5gcNrm.yaml | 18.1.0 |
| 2022-09 | SA#97e | SP-220849 | 0784 | - | A | Correction to coverageAreaTAList | 18.1.0 |
| 2022-09 | SA#97e |  |  |  |  | Removing duplicated content due to CRs including duplicated changes (MCC). | 18.1.1 |
| 2022-09 | SA#97e |  |  |  |  | Aligning OpenAPI code from FORGE | 18.1.2 |
| 2023-01 | SA#98e | SP-221188 | 0753 | 3 | C | Add Enhanced QoS support in NRM (stage 2) | 18.2.0 |
| 2023-01 | SA#98e | SP-221188 | 0754 | 3 | C | Add Enhanced QoS support in NRM (stage 3, YANG) | 18.2.0 |
| 2023-01 | SA#98e | SP-221172 | 0785 | - | F | YANG Corrections in Word TS | 18.2.0 |
| 2023-01 | SA#98e | SP-221188 | 0787 | - | B | NRM enhancements for AUSFFunction | 18.2.0 |
| 2023-01 | SA#98e | SP-221188 | 0788 | 1 | B | NRM enhancements for NEFFunction | 18.2.0 |
| 2023-01 | SA#98e | SP-221188 | 0789 | - | B | NRM enhancements for NSACFFunction | 18.2.0 |
| 2023-01 | SA#98e | SP-221188 | 0790 | 1 | B | NRM enhancements for NWDAFFunction | 18.2.0 |
| 2023-01 | SA#98e | SP-221188 | 0791 | 1 | B | NRM enhancements for SCPFunction | 18.2.0 |
| 2023-01 | SA#98e | SP-221188 | 0792 | 1 | B | NRM enhancements for SEPPFunction | 18.2.0 |
| 2023-01 | SA#98e | SP-221188 | 0793 | - | B | NRM enhancements for UDSFFunction | 18.2.0 |
| 2023-01 | SA#98e | SP-221169 | 0796 | - | A | Correcting name of nSInstanceId | 18.2.0 |
| 2023-01 | SA#98e | SP-221167 | 0803 | 2 | A | Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC | 18.2.0 |
| 2023-01 | SA#98e | SP-221169 | 0806 | - | A | Correction to GSMA NG 116 reference for KPIMonitoring | 18.2.0 |
| 2023-01 | SA#98e | SP-221169 | 0809 | - | A | Correction to ServiceProfile attribute v2XCommModels name in YAML defintion | 18.2.0 |
| 2023-01 | SA#98e | SP-221169 | 0812 | - | A | Correction to inconsistencies in GNBCUCPFunction definition | 18.2.0 |
| 2023-01 | SA#98e | SP-221173 | 0816 | 1 | A | Adding YANG begin and End markers | 18.2.0 |
| 2023-01 | SA#98e | SP-221167 | 0820 | 1 | A | Address Editor's Note for the description of FeasibilityCheckAndReservationJob (6.3.9) | 18.2.0 |
| 2023-01 | SA#98e | SP-221180 | 0822 | - | A | Correct the definition for cellLocalId to support MOCN network sharing sceanrio (6.3.11) | 18.2.0 |
| 2023-01 | SA#98e | SP-221188 | 0823 | 1 | B | Update NWDAFFunction IOC to support management and control purpose | 18.2.0 |
| 2023-01 | SA#98e | SP-221181 | 0825 | - | A | Correct the misalignment information between stage2 and stage3 | 18.2.0 |
| 2023-01 | SA#98e | SP-221167 | 0828 | - | A | Replacing Support Qualifier with S | 18.2.0 |
| 2023-01 | SA#98e | SP-221182 | 0834 | - | A | Consistency in use of servAttrCom | 18.2.0 |
| 2023-01 | SA#98e | SP-221182 | 0837 | 1 | A | Correct kPIList | 18.2.0 |
| 2023-01 | SA#98e | SP-221182 | 0840 | 2 | A | Correct periodicityList | 18.2.0 |
| 2023-01 | SA#98e | SP-221167 | 0843 | 1 | A | Correct network slice state management table | 18.2.0 |
| 2023-01 | SA#98e |  |  |  |  | Fixing some implementation errors | 18.2.1 |
| 2023-02 |  |  |  |  |  | Removing revision marks | 18.2.2 |
| 2023-03 | SA#99 | SP-230196 | 0855 | - | A | Fix missing reference to mid-haul interface for EP Transport | 18.3.0 |
| 2023-03 | SA#99 | SP-230196 | 0857 | - | A | Fix duplicated SST attribute in RANSliceSubnetProfile | 18.3.0 |
| 2023-03 | SA#99 | SP-230206 | 0859 | 1 | B | NRM enhancements for SMSFFunction | 18.3.0 |
| 2023-03 | SA#99 | SP-230206 | 0860 | 1 | B | NRM enhancements for NRFFunction | 18.3.0 |
| 2023-03 | SA#99 | SP-230206 | 0861 | 1 | B | NRM enhancements for LMFFunction | 18.3.0 |
| 2023-03 | SA#99 | SP-230206 | 0862 | 1 | B | NRM enhancements for AFFunction | 18.3.0 |
| 2023-03 | SA#99 | SP-230206 | 0863 | - | B | NRM enhancements for EASDFFunction | 18.3.0 |
| 2023-03 | SA#99 | SP-230206 | 0864 | 1 | B | NRM enhancements for NSSAAFFunction | 18.3.0 |
| 2023-03 | SA#99 | SP-230199 | 0867 | 1 | A | Remove redundant stage 3 definition for Mnc and PlmnId | 18.3.0 |
| 2023-03 | SA#99 | SP-230196 | 0870 | 1 | A | Fix IpAddr definition and references | 18.3.0 |
| 2023-03 | SA#99 | SP-230207 | 0872 | - | A | ManagedNFProfile stage3 not consistent with Stage 2 | 18.3.0 |
| 2023-03 | SA#99 | SP-230207 | 0874 | 1 | A | Correct issues for feasibility check and resource reservation NRM fragment | 18.3.0 |
| 2023-03 | SA#99 | SP-230206 | 0875 | 1 | B | Add Enhanced QoS support in NRM (stage 3, YAML) | 18.3.0 |
| 2023-03 | SA#99 | SP-230206 | 0876 | 1 | F | Update NRM fragment for 5QI configuration for NG-RAN | 18.3.0 |
| 2023-03 | SA#99 | SP-230206 | 0877 | 1 | F | Correct the description and definition for NWDAFFunction IOC | 18.3.0 |
| 2023-03 | SA#99 | SP-230200 | 0881 | 1 | A | Clarify Monut information clauses | 18.3.0 |
| 2023-03 | SA#99 | SP-230206 | 0882 | - | F | Correct the RRMPolicyRatio Description | 18.3.0 |
| 2023-03 | SA#99 | SP-230206 | 0888 | 1 | C | Add Annex recommending QoS model usage | 18.3.0 |
| 2023-03 | SA#99 | SP-230196 | 0890 | 2 | A | fixing coverageArea | 18.3.0 |
| 2023-03 | SA#99 | SP-230208 | 0891 | - | F | YANG Corrections | 18.3.0 |
| 2023-04 | SA#99 |  |  |  |  | Editorial corrections in H.5.12 | 18.3.1 |
| 2023-06 | SA#100 | SP-230653 | 0800 | 5 | B | Add NetworkSliceController and NetworkSliceSubnetController IOCs to support asynchronous LCM operations | 18.4.0 |
| 2023-06 | SA#100 | SP-230657 | 0894 | 1 | B | NRM enhancements for NRFFunction | 18.4.0 |
| 2023-06 | SA#100 | SP-230657 | 0895 | 1 | B | NRM enhancements for CHFFunction | 18.4.0 |
| 2023-06 | SA#100 | SP-230657 | 0896 | 1 | B | NRM enhancements for MFAFFunction | 18.4.0 |
| 2023-06 | SA#100 | SP-230657 | 0897 | - | B | NRM enhancements for DCCFFunction | 18.4.0 |
| 2023-06 | SA#100 | SP-230657 | 0898 | - | B | NRM enhancements for class diagram | 18.4.0 |
| 2023-06 | SA#100 | SP-230649 | 0900 | - | A | Correction to dCHOControl by adding definition to attribute properties table | 18.4.0 |
| 2023-06 | SA#100 | SP-230681 | 0903 | 1 | A | Correction to multiplicity definition to nRPciList and stage 3 implementation of both NRPciList and CSonPciList | 18.4.0 |
| 2023-06 | SA#100 | SP-230657 | 0904 | - | F | Corrections to missing properties for a few attributes | 18.4.0 |
| 2023-06 | SA#100 | SP-230657 | 0905 | 1 | C | Improve EP Transport model to clarify connection point info | 18.4.0 |
| 2023-06 | SA#100 | SP-230648 | 0908 | 1 | A | clean up of incorrect use of multiplicity isOrdered isUnique and isNullable in attribute properties table | 18.4.0 |
| 2023-06 | SA#100 | SP-230658 | 0910 | 1 | A | Correct the feasibility check and resource reservation NRM fragment | 18.4.0 |
| 2023-06 | SA#100 | SP-230658 | 0912 | - | A | Correct issues for NR NRM | 18.4.0 |
| 2023-06 | SA#100 | SP-230658 | 0914 | - | A | Update SliceNRM YAML to align with stage2 | 18.4.0 |
| 2023-06 | SA#100 | SP-230651 | 0916 | - | F | YANG Corrections | 18.4.0 |
| 2023-06 | SA#100 | SP-230657 | 0921 | - | F | Update NRM enhancements for NWDAFFunction | 18.4.0 |
| 2023-06 | SA#100 | SP-230658 | 0927 | 1 | A | Fixing coverageArea | 18.4.0 |
| 2023-06 | SA#100 | SP-230651 | 0931 | 1 | F | Several editorial Corrections | 18.4.0 |
| 2023-06 | SA#100 |  |  |  |  | Various CR implementation corrections in YANG code | 18.4.1 |
| 2023-09 | SA#101 | SP-230953 | 0944 |  | A | Correct attribute name for frequency prediction | 18.5.0 |
| 2023-09 | SA#101 | SP-230964 | 0950 | 1 | A | Update Annex L with mapping table | 18.5.0 |
| 2023-09 | SA#101 | SP-230953 | 0952 |  | A | Update reference to GST | 18.5.0 |
| 2023-09 | SA#101 | SP-230941 | 0955 | 1 | A | Rel-18 CR TS 28.541 Correction to type defintion of coverageAreaTAList | 18.5.0 |
| 2023-09 | SA#101 | SP-230947 | 0961 |  | B | TS28.541 Rel18 NRM enhancements for NRFFunction | 18.5.0 |
| 2023-09 | SA#101 | SP-230947 | 0962 |  | B | TS28.541 Rel18 NRM enhancements for BSFFunction | 18.5.0 |
| 2023-09 | SA#101 | SP-230947 | 0963 |  | B | TS28.541 Rel18 NRM enhancements for AANFFunction | 18.5.0 |
| 2023-09 | SA#101 | SP-230947 | 0964 |  | B | TS28.541 Rel18 NRM enhancements for TSCTSFFunction | 18.5.0 |
| 2023-09 | SA#101 | SP-230947 | 0965 |  | B | TS28.541 Rel18 NRM enhancements for GMLCFunction | 18.5.0 |
| 2023-09 | SA#101 | SP-230947 | 0966 | 1 | B | TS28.541 Rel18 NRM enhancements for class Diagram | 18.5.0 |
| 2023-09 | SA#101 | SP-230941 | 0969 | 1 | A | TS28.541 Rel18 Removing redundant Tai definition in NR NRM | 18.5.0 |
| 2023-09 | SA#101 | SP-230947 | 0970 | 2 | C | TS28.541 Rel18 Improve LogicalInterfaceInfo model to add support of static route | 18.5.0 |
| 2023-09 | SA#101 | SP-230941 | 0973 | 1 | A | TS28.541 Rel18 fix small inconsitent issues in stage2, typo in stage 2 and 3 | 18.5.0 |
| 2023-09 | SA#101 | SP-230941 | 0976 | 2 | A | TS28.541 Rel18 fix a few inheritance diagram issues in NR NRM | 18.5.0 |
| 2023-09 | SA#101 | SP-230941 | 0979 | 1 | A | Update RRMPolicyRatio | 18.5.0 |
| 2023-09 | SA#101 | SP-230944 | 0981 |  | A | Rel-18 CR for TS28.541 Fix wrong annex reference | 18.5.0 |
| 2023-09 | SA#101 | SP-230941 | 0984 |  | A | Remove duplicated notifications | 18.5.0 |
| 2023-09 | SA#101 | SP-230965 | 0986 |  | A | Re-15 CR TS 28.541 Correct issues for NRM fragment for NG-RAN MOCN sharing | 18.5.0 |
| 2023-09 | SA#101 | SP-230958 | 0989 | 1 | A | Rel-18 CR TS 28.541 Correct the issues for the attribute with the ENUM type for network slicing NRM fragment | 18.5.0 |
| 2023-09 | SA#101 | SP-230966 | 0990 | 1 | C | Rel-18 CR 28.541 Update recommended QoS model usage for Shared RAN | 18.5.0 |
| 2023-09 | SA#101 | SP-230966 | 0991 | 1 | C | Rel-18 CR 28.541 Update NRM for operator specific QoS model for RAN Sharing | 18.5.0 |
| 2023-09 | SA#101 | SP-230947 | 0992 |  | F | Rel-18 CR TS28.541 Correct the stage2 and stage3 issues for BWP configuration | 18.5.0 |
| 2023-09 | SA#101 | SP-230947 | 0993 | 1 | B | Rel-18 CR TS28.541 Update the feasiibility check NRM fragment to support the missing requirements | 18.5.0 |
| 2023-09 | SA#101 | SP-230941 | 0997 | 1 | A | Correction on DeterministicComm data type | 18.5.0 |
| 2023-09 | SA#101 | SP-230949 | 0999 |  | A | Correction of EcmConnectionInfo | 18.5.0 |
| 2023-09 | SA#101 | SP-230947 | 1001 | 1 | B | Rel-18 CR 28.541 Non IP Support Stage-2 | 18.5.0 |
| 2023-09 | SA#101 | SP-230947 | 1002 | 1 | B | Rel-18 CR 28.541 Non IP Support Stage-3 | 18.5.0 |
| 2023-09 | SA#101 | SP-230973 | 1005 | 1 | B | Rel-18 CR 28.541 NTN Location Restriction Stage-2 | 18.5.0 |
| 2023-09 | SA#101 | SP-230973 | 1006 | 1 | B | Rel-18 CR 28.541 NTN Location Restriction Stage 3 | 18.5.0 |
| 2023-09 | SA#101 | SP-230973 | 1007 | 1 | B | Rel-18 CR TS 28.541 Add NRM Info Model definitions for NTN management(stage2) | 18.5.0 |
| 2023-09 | SA#101 | SP-230973 | 1008 | 1 | B | Rel-18 CR TS 28.541 Add NRM Info Model definitions for NTN management(Stage3 Yaml) | 18.5.0 |
| 2023-09 | SA#101 | SP-230967 | 1012 | 1 | B | Update NRM enhancements for NWDAFFunction | 18.5.0 |
| 2023-09 | SA#101 | SP-230973 | 1013 | 1 | B | Rel-18 CR 28.541 NTN Coverage Availability Information Configuration Stage 2 | 18.5.0 |
| 2023-09 | SA#101 | SP-230947 | 1014 | 1 | F | Rel-18 CR TS 28.541 Add missing Attribute Constraints for NROperatorCellDU | 18.5.0 |
| 2023-09 | SA#101 | SP-230975 | 1015 | 1 | B | Rel-18 CR TS 28.541 UL and DL reliability configuration in slice and subnet profiles | 18.5.0 |
| 2023-09 | SA#101 | SP-230973 | 1016 | 1 | B | Rel-18 CR 28.541 NTN Coverage Availability Information Configuration Stage 3 | 18.5.0 |
| 2024-01 | SA#102 | SP-231481 | 0858 | 9 | B | Rel-18 CR TS 28.541 Add NRM for network slice isolation | 18.6.0 |
| 2024-01 | SA#102 | SP-231458 | 1018 | - | B | TS28.541 Rel18 NRM enhancements for NRFFunction and AmfInfo and SmfInfo | 18.6.0 |
| 2024-01 | SA#102 | SP-231458 | 1019 | - | B | TS28.541 Rel18 NRM enhancements for UpfInfo and PcfInfo and NetInfo | 18.6.0 |
| 2024-01 | SA#102 | SP-231458 | 1020 | - | B | TS28.541 Rel18 NRM enhancements for MBUPFFunction | 18.6.0 |
| 2024-01 | SA#102 | SP-231458 | 1021 | - | B | TS28.541 Rel18 NRM enhancements for MBSMFFunction | 18.6.0 |
| 2024-01 | SA#102 | SP-231458 | 1022 | 1 | B | TS28.541 Rel18 NRM enhancements for class diagram | 18.6.0 |
| 2024-01 | SA#102 | SP-231492 | 1024 | - | A | TS28.541 Rel18 correction to stage3 of NROperatorCellDU containment | 18.6.0 |
| 2024-01 | SA#102 | SP-231492 | 1026 | - | A | TS28.541 Rel18 correction to NPNIdentity stage2 stage 3 issue | 18.6.0 |
| 2024-01 | SA#102 | SP-231458 | 1027 | 1 | C | TS28.541 Rel18 Move normative OpenAPI and YANG code to Forge | 18.6.0 |
| 2024-01 | SA#102 | SP-231477 | 1029 | - | B | Rel-18 CR TS 28.541 Add YAML solution set for NRM for operator specific QoS model for RAN sharing | 18.6.0 |
| 2024-01 | SA#102 | SP-231477 | 1030 | - | F | Rel-18 CR TS28.541 Udpate clause O.3 RAN Sharing usage recommendation | 18.6.0 |
| 2024-01 | SA#102 | SP-231458 | 1033 | - | B | Rel-18 CR TS 28.541 Fix inconsitencies related to network slice SLA attribute availability | 18.6.0 |
| 2024-01 | SA#102 | SP-231458 | 1034 | 1 | B | Rel-18 CR TS 28.541 Fix inconsitencies related to network slice SLA attribute kPIMonitoring | 18.6.0 |
| 2024-01 | SA#102 | SP-231458 | 1036 | - | B | Rel-18 CR TS 28.541 Fix inconsitencies related to network slice SLA attribute maxDLDataVolume and maxULDataVolume | 18.6.0 |
| 2024-01 | SA#102 | SP-231458 | 1038 | 2 | B | Rel-18 CR TS 28.541 Add support for GSMA attributes related to data networks | 18.6.0 |
| 2024-01 | SA#102 | SP-231487 | 1041 | 1 | A | TS28.541 Rel18 correction to data type property for sD | 18.6.0 |
| 2024-01 | SA#102 | SP-231494 | 1043 | 1 | F | Rel-18 CR 28.541 YANG Corrections and inVariant | 18.6.0 |
| 2024-01 | SA#102 | SP-231457 | 1045 | 1 | A | Rel-18 CR TS 28.541 Correct issues for the attribute with the ENUM type for NR NRM fragment | 18.6.0 |
| 2024-01 | SA#102 | SP-231498 | 1046 | - | C | Rel-18 CR TS 28.541 Fix Slice NRM YAML definition for dLReliability and uLReliability | 18.6.0 |
| 2024-01 | SA#102 | SP-231477 | 1048 | 1 | C | Rel-18 CR 28.541 Update recommended QoS model usage for Shared RAN (yang update) | 18.6.0 |
| 2024-01 | SA#102 | SP-231458 | 1058 | - | B | TS28.541 Rel18 NRM enhancements for NRFFunction phase 4 | 18.6.0 |
| 2024-01 | SA#102 | SP-231458 | 1059 | - | B | TS28.541 Rel18 NRM enhancements for MNPFFunction | 18.6.0 |
| 2024-01 | SA#102 | SP-231487 | 1061 | - | A | TS28.541 Rel18 correction to NSSF interface between NWDAF and NSSF | 18.6.0 |
| 2024-01 | SA#102 | SP-231487 | 1066 | - | A | TS28.541 Rel18 correction to DRACHOptimizationFunction stage 3 issue | 18.6.0 |
| 2024-01 | SA#102 | SP-231487 | 1069 | - | A | TS28.541 Rel18 correction to 5GC resourceType allowed values | 18.6.0 |
| 2024-01 | SA#102 | SP-231493 | 1086 | - | A | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in DelayTolerance | 18.6.0 |
| 2024-01 | SA#102 | SP-231493 | 1087 | - | A | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in DeterministicComm | 18.6.0 |
| 2024-01 | SA#102 | SP-231493 | 1088 | - | A | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in XLThpt | 18.6.0 |
| 2024-01 | SA#102 | SP-231493 | 1089 | - | A | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in MaxPktSize | 18.6.0 |
| 2024-01 | SA#102 | SP-231492 | 1090 | - | A | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in MaxNumberofPDUSessions | 18.6.0 |
| 2024-01 | SA#102 | SP-231492 | 1091 | - | A | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in KPIMonitoring | 18.6.0 |
| 2024-01 | SA#102 | SP-231493 | 1092 | - | A | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in TermDensity | 18.6.0 |
| 2024-01 | SA#102 | SP-231492 | 1093 | - | A | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in Positioning | 18.6.0 |
| 2024-01 | SA#102 | SP-231492 | 1094 | - | A | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in Synchronicity | 18.6.0 |
| 2024-01 | SA#102 | SP-231493 | 1095 | - | A | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in EnergyEfficiency | 18.6.0 |
| 2024-01 | SA#102 | SP-231493 | 1096 | - | A | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in NSSAASupport | 18.6.0 |
| 2024-01 | SA#102 | SP-231494 | 1097 | - | F | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in MaxNumberofUEs | 18.6.0 |
| 2024-01 | SA#102 | SP-231493 | 1098 | - | A | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in RadioSpectrum | 18.6.0 |
| 2024-01 | SA#102 | SP-231494 | 1099 | - | A | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in UserMgmtOpen | 18.6.0 |
| 2024-01 | SA#102 | SP-231493 | 1100 | - | A | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in V2XCommMode | 18.6.0 |
| 2024-01 | SA#102 | SP-231493 | 1101 | - | A | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in NBIoT | 18.6.0 |
| 2024-01 | SA#102 | SP-231494 | 1102 | - | F | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in NonIPSupport | 18.6.0 |
| 2024-01 | SA#102 | SP-231457 | 1103 | 1 | A | Rel-18 Correct dnai and dnaiList attribute definitions | 18.6.0 |
| 2024-01 | SA#102 | SP-231457 | 1105 | - | A | Rel-18 CR TS 28.541 Correct the issues for NrNrm YAML file | 18.6.0 |
| 2024-01 | SA#102 | SP-231459 | 1106 | 1 | B | Add NRM for AnLF | 18.6.0 |
| 2024-01 | SA#102 | SP-231458 | 1107 | - | F | Clarification on the usage of sNssaiInfoList in multiple places | 18.6.0 |
| 2024-01 | SA#102 | SP-231458 | 1108 | - | F | Update description of ExtSnssai | 18.6.0 |
| 2024-01 | SA#102 | SP-231465 | 1109 | 1 | B | Rel-18 CR 28.541 Add energy saving attributes to IOC UPFFunction | 18.6.0 |
| 2024-01 | SA#102 | SP-231483 | 1110 | 1 | B | Update definitions of Ephemeris | 18.6.0 |
| 2024-01 | SA#102 | SP-231478 | 1111 | - | B | Stage 3 Add FL related attributes in NWDAFFunction | 18.6.0 |
| 2024-01 | SA#102 | SP-231478 | 1112 | - | B | Add FL related attributes in NWDAFFunction | 18.6.0 |
| 2024-01 | SA#102 | SP-231498 | 1114 | 1 | B | Rel-18 CR 28.541 Modify the attributes of UL and DL latency in RAN | 18.6.0 |
| 2024-01 | SA#102 | SP-231478 | 1120 | - | F | Correction of attributes defined in NWDAFFunction | 18.6.0 |
| 2024-01 | SA#102 | SP-231463 | 1121 | 2 | B | Add satellite backhaul information for QoS monitoring per QoS flow per UE | 18.6.0 |
| 2024-01 | SA#102 | SP-231458 | 1127 | 1 | F | Rel-18 CR 28.541 Correct redundant attribute definitions | 18.6.0 |
| 2024-01 | SA#102 | SP-231492 | 1129 | - | A | Rel-18 Ts 28.541 Correction of yang code for sliceprofile | 18.6.0 |
| 2024-01 | SA#102 | SP-231486 | 1135 | 1 | A | Rel-18 CR 28.541 Correction of attribute properties | 18.6.0 |
| 2024-01 | SA#102 | SP-231494 | 1136 | - | F | Rel-18 CR 28.541 YANG Corrections (SA5#152) | 18.6.0 |
| 2024-01 | SA#102 |  |  |  |  | Correct reference number for TS 38.331, update figure and clause numbering | 18.6.1 |
| 2024-03 | SA#103 | SP-240171 | 1031 | 5 | B | Rel-18 CR TS 28.541 Address EP\_F1 issue for MOCN RAN sharing scenario | 18.7.0 |
| 2024-03 | SA#103 | SP-240186 | 1138 | 1 | B | Rel-18 CR TS28.541 Adding MCE ID | 18.7.0 |
| 2024-03 | SA#103 | SP-240186 | 1140 |  | F | TS28.541 Rel18 correction to Schema definition Issues for SubNetwork and ManagedElement of OpenAPI SS | 18.7.0 |
| 2024-03 | SA#103 | SP-240395 | 1141 |  | B | TS28.541 Rel18 NRM enhancements for NfInfo and PcscfInfo | 18.7.0 |
| 2024-03 | SA#103 | SP-240395 | 1142 | 1 | C | Rel-18 CR TS 28.541 Enhancement to clarify Network slice SLA requirement for inter-packet delay variation | 18.7.0 |
| 2024-03 | SA#103 | SP-240186 | 1143 | 1 | F | Rel-18 CR TS 28.541 Correction to attribute constriants of IsolationProfile | 18.7.0 |
| 2024-03 | SA#103 | SP-240185 | 1145 | 1 | A | Rel-18 CR TS 28.541 Clarify attribute constraints for SliceProfile | 18.7.0 |
| 2024-03 | SA#103 | SP-240155 | 1146 | 1 | B | Add AIML support for legacy features | 18.7.0 |
| 2024-03 | SA#103 | SP-240149 | 1147 | 1 | B | Rel-18 CR TS 28.541 Add new attribute to describe the mapping relationship between DNAI and satellite ID | 18.7.0 |
| 2024-03 | SA#103 | SP-240149 | 1148 | 1 | B | Rel-18 CR 28.541 Add satellite backhaul information to AMFFunction | 18.7.0 |
| 2024-03 | SA#103 | SP-240183 | 1151 |  | A | TS28.541 Rel18 correction to QFPacketDelayThresholdsType | 18.7.0 |
| 2024-04 | SA#103 | SP-240183 | 1154 |  | A | TS28.541 Rel18 corrections to ManagedFunction containment implementation in OpenAPI SS | 18.7.0 |
| 2024-05 | SA#103 | SP-240186 | 1155 | 1 | F | R18 CR TS 28.541 Correct the expression of parameter S in Attribute constraints | 18.7.0 |
| 2024-06 | SA#103 | SP-240186 | 1156 |  | F | R18 CR TS 28.541 Remove the duplications in attributes constraints of NRCellDU | 18.7.0 |
| 2024-07 | SA#103 | SP-240185 | 1158 |  | A | Rel-18 CR TS 28.541 Correct the referece in attributes of qOffsetRangeList and beamIndex | 18.7.0 |
| 2024-08 | SA#103 | SP-240186 | 1159 | 1 | F | R18 CR TS 28.541 Correct the clauses' number in Clause 5.3 | 18.7.0 |
| 2024-09 | SA#103 | SP-240395 | 1160 | 1 | C | Rel-18 CR TS 28.541 Slice Validity | 18.7.0 |
| 2024-10 | SA#103 | SP-240395 | 1161 | 1 | F | Rel-18 CR TS 28.541 Correct definition for FeasibilityCheckAndReservationJob | 18.7.0 |
| 2024-11 | SA#103 | SP-240395 | 1162 | 1 | B | Rel-18 CR TS 28.541 Add missing name contain information for ExternalGNBCUCPFunction and ExtenralGNBDUFunction (satge2 and stage3 yaml) | 18.7.0 |
| 2024-12 | SA#103 | SP-240186 | 1167 | 1 | F | Rel-18 CR 28.541 YANG Corrections | 18.7.0 |
| 2024-13 | SA#103 | SP-240179 | 1170 | 1 | F | Correction of inheritance relationships figure name for NTN management support | 18.7.0 |
| 2024-14 | SA#103 | SP-240164 | 1171 | 1 | F | Rel-18 CR TS 28.541 Align Annex P with Serviceprofile | 18.7.0 |
| 2024-15 | SA#103 | SP-240164 | 1172 | 1 | F | Rel-18 CR TS 28.541 Align slice imported information table with the class diagram | 18.7.0 |