

ETSI TS 128 541 V18.10.1 (2025-02)



**5G;
Management and orchestration;
5G Network Resource Model (NRM);
Stage 2 and stage 3
(3GPP TS 28.541 version 18.10.1 Release 18)**

[ETSI TS 128 541 V18.10.1 \(2025-02\)](https://standards.iteh.ai/catalog/standards/etsi/e0483501-ec1a-4d87-997e-c66b3f8e5c81/etsi-ts-128-541-v18-10-1-2025-02)

<https://standards.iteh.ai/catalog/standards/etsi/e0483501-ec1a-4d87-997e-c66b3f8e5c81/etsi-ts-128-541-v18-10-1-2025-02>



ReferenceRTS/TSGS-0528541 via1

Keywords5G

ETSI

650 Route des Lucioles
F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - APE 7112B
Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° w061004871

Important notice

The present document can be downloaded from the
[ETSI Search & Browse Standards](#) application.

The present document may be made available in electronic versions and/or in print. The content of any electronic and/or print versions of the present document shall not be modified without the prior written authorization of ETSI. In case of any existing or perceived difference in contents between such versions and/or in print, the prevailing version of an ETSI deliverable is the one made publicly available in PDF format on [ETSI deliver](#) repository.

Users should be aware that the present document may be revised or have its status changed, this information is available in the [Milestones listing](#).

If you find errors in the present document, please send your comments to the relevant service listed under [Committee Support Staff](#).

If you find a security vulnerability in the present document, please report it through our [Coordinated Vulnerability Disclosure \(CVD\)](#) program.

Notice of disclaimer & limitation of liability

The information provided in the present deliverable is directed solely to professionals who have the appropriate degree of experience to understand and interpret its content in accordance with generally accepted engineering or other professional standard and applicable regulations.

No recommendation as to products and services or vendors is made or should be implied.

No representation or warranty is made that this deliverable is technically accurate or sufficient or conforms to any law and/or governmental rule and/or regulation and further, no representation or warranty is made of merchantability or fitness for any particular purpose or against infringement of intellectual property rights.

In no event shall ETSI be held liable for loss of profits or any other incidental or consequential damages.

Any software contained in this deliverable is provided "AS IS" with no warranties, express or implied, including but not limited to, the warranties of merchantability, fitness for a particular purpose and non-infringement of intellectual property rights and ETSI shall not be held liable in any event for any damages whatsoever (including, without limitation, damages for loss of profits, business interruption, loss of information, or any other pecuniary loss) arising out of or related to the use of or inability to use the software.

Copyright Notification

No part may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm except as authorized by written permission of ETSI.

The content of the PDF version shall not be modified without the written authorization of ETSI.

The copyright and the foregoing restriction extend to reproduction in all media.

© ETSI 2025.
All rights reserved.

Intellectual Property Rights

Essential patents

IPRs essential or potentially essential to normative deliverables may have been declared to ETSI. The declarations pertaining to these essential IPRs, if any, are publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: "*Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards*", which is available from the ETSI Secretariat. Latest updates are available on the [ETSI IPR online database](#).

Pursuant to the ETSI Directives including the ETSI IPR Policy, no investigation regarding the essentiality of IPRs, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

Trademarks

The present document may include trademarks and/or tradenames which are asserted and/or registered by their owners. ETSI claims no ownership of these except for any which are indicated as being the property of ETSI, and conveys no right to use or reproduce any trademark and/or tradename. Mention of those trademarks in the present document does not constitute an endorsement by ETSI of products, services or organizations associated with those trademarks.

DECT™, **PLUGTESTS™**, **UMTS™** and the ETSI logo are trademarks of ETSI registered for the benefit of its Members. **3GPP™**, **LTE™** and **5G™** logo are trademarks of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners. **oneM2M™** logo is a trademark of ETSI registered for the benefit of its Members and of the oneM2M Partners. **GSM®** and the GSM logo are trademarks registered and owned by the GSM Association.

Legal Notice

This Technical Specification (TS) has been produced by the ETSI 3rd Generation Partnership Project (3GPP).

The present document may refer to technical specifications or reports using their 3GPP identities. These shall be interpreted as being references to the corresponding ETSI deliverables. (2025-02)

The cross reference between 3GPP and ETSI identities can be found at [3GPP to ETSI numbering cross-referencing](#).

Modal verbs terminology

In the present document "**shall**", "**shall not**", "**should**", "**should not**", "**may**", "**need not**", "**will**", "**will not**", "**can**" and "**cannot**" are to be interpreted as described in clause 3.2 of the [ETSI Drafting Rules](#) (Verbal forms for the expression of provisions).

"**must**" and "**must not**" are **NOT** allowed in ETSI deliverables except when used in direct citation.

Contents

Intellectual Property Rights	2
Legal Notice	2
Modal verbs terminology.....	2
Foreword.....	37
Introduction	38
1 Scope	39
2 References	39
3 Definitions of terms, symbols and abbreviations	43
3.1 Terms.....	43
3.2 Symbols.....	43
3.3 Abbreviations	43
4 Information model definitions for NR NRM.....	44
4.1 Imported and associated information	44
4.1.1 Imported information entities and local labels.....	44
4.1.2 Associated information entities and local labels.....	44
4.2 Class diagram	44
4.2.1 Class diagram for gNB and en-gNB	44
4.2.1.1 Relationships.....	44
4.2.1.2 Inheritance.....	53
4.3 Class definitions	58
4.3.1 GNBDUFunction	58
4.3.1.1 Definition	58
4.3.1.2 Attributes.....	58
4.3.1.3 Attribute constraints	58
4.3.1.4 Notifications.....	58
4.3.2 GNBCUCPFunction	59
4.3.2.1 Definition	59
4.3.2.2 Attributes.....	59
4.3.2.3 Attribute constraints	60
4.3.2.4 Notifications.....	60
4.3.3 GNBCUUPFunction	60
4.3.3.1 Definition	60
4.3.3.2 Attributes.....	61
4.3.3.3 Attribute constraints	61
4.3.3.4 Notifications.....	61
4.3.4 NRCellCU	61
4.3.4.1 Definition	61
4.3.4.2 Attributes.....	61
4.3.4.3 Void.....	62
4.3.4.4 Notifications.....	62
4.3.5 NRCellDU	62
4.3.5.1 Definition	62
4.3.5.2 Attributes.....	62
4.3.5.3 Attribute constraints	63
4.3.5.4 Notifications.....	63
4.3.6 NRSectorCarrier	63
4.3.6.1 Definition	63
4.3.6.2 Attributes.....	64
4.3.6.3 Attribute constraints	64
4.3.6.4 Notifications.....	64
4.3.7 BWP	64
4.3.7.1 Definition	64
4.3.7.2 Attributes.....	65

4.3.7.3 Attribute constraints 65

4.3.7.4 Notifications 65

4.3.8 EP_E1 65

4.3.8.1 Definition 65

4.3.8.2 Attributes 65

4.3.8.3 Attribute constraints 65

4.3.8.4 Notifications 65

4.3.9 EP_XnU 65

4.3.9.1 Definition 65

4.3.9.2 Attributes 66

4.3.9.3 Attribute constraints 66

4.3.9.4 Notifications 66

4.3.10 EP_NgC 66

4.3.10.1 Definition 66

4.3.10.2 Attributes 66

4.3.10.3 Attribute constraints 66

4.3.10.4 Notifications 66

4.3.11 EP_NgU 66

4.3.11.1 Definition 66

4.3.11.2 Attributes 67

4.3.11.3 Attribute constraints 67

4.3.11.4 Notifications 67

4.3.12 EP_F1C 67

4.3.12.1 Definition 67

4.3.12.2 Attributes 67

4.3.12.3 Attribute constraints 67

4.3.12.4 Notifications 67

4.3.13 EP_F1U 68

4.3.13.1 Definition 68

4.3.13.2 Attributes 68

4.3.13.3 Attribute constraints 68

4.3.13.4 Notifications 68

4.3.14 EP_S1U 68

4.3.14.1 Definition 68

4.3.14.2 Attributes 68

4.3.14.3 Attribute constraints 68

4.3.14.4 Notifications 68

4.3.15 EP_X2C 69

4.3.15.1 Definition 69

4.3.15.2 Attributes 69

4.3.15.3 Attribute constraints 69

4.3.15.4 Notifications 69

4.3.16 EP_X2U 69

4.3.16.1 Definition 69

4.3.16.2 Attributes 69

4.3.16.3 Attribute constraints 69

4.3.16.4 Notifications 69

4.3.17 EP_XnC 70

4.3.17.1 Definition 70

4.3.17.2 Attributes 70

4.3.17.3 Attribute constraints 70

4.3.17.4 Notifications 70

4.3.18 ExternalGNBCUCPFfunction 70

4.3.18.1 Definition 70

4.3.18.2 Attributes 70

4.3.18.3 Attribute constraints 70

4.3.18.4 Notifications 70

4.3.19 ExternalGNBCUUPFunction 71

4.3.19.1 Definition 71

4.3.19.2 Attributes 71

4.3.19.3 Attribute constraints 71

4.3.19.4	Notifications.....	71
4.3.20	ExternalGNBDUFunction.....	71
4.3.20.1	Definition.....	71
4.3.20.2	Attributes.....	71
4.3.20.3	Attribute constraints.....	71
4.3.20.4	Notifications.....	71
4.3.21	ExternalUPFFunction.....	72
4.3.21.1	Definition.....	72
4.3.21.2	Attributes.....	72
4.3.21.3	Attribute constraints.....	72
4.3.21.4	Notifications.....	72
4.3.22	ExternalAMFFunction.....	72
4.3.22.1	Definition.....	72
4.3.22.2	Attributes.....	72
4.3.22.3	Attribute constraints.....	72
4.3.22.4	Notifications.....	72
4.3.23	Void.....	73
4.3.24	ENBFunction <<ProxyClass>>.....	73
4.3.24.1	Definition.....	73
4.3.24.2	Attributes.....	73
4.3.24.3	Attribute constraints.....	73
4.3.24.4	Notifications.....	73
4.3.25	GNBCUCPFunction <<ProxyClass>>.....	73
4.3.25.1	Definition.....	73
4.3.25.2	Attributes.....	73
4.3.25.3	Attribute constraints.....	73
4.3.25.4	Notifications.....	73
4.3.26	GNBCUUPFunction <<ProxyClass>>.....	73
4.3.26.1	Definition.....	73
4.3.26.2	Attributes.....	73
4.3.26.3	Attribute constraints.....	73
4.3.26.4	Notifications.....	73
4.3.27	GNBDUFunction <<ProxyClass>>.....	74
4.3.27.1	Definition.....	74
4.3.27.2	Attributes.....	74
4.3.27.3	Attribute constraints.....	74
4.3.27.4	Notifications.....	74
4.3.28	ServingGWFFunction <<ProxyClass>>.....	74
4.3.28.1	Definition.....	74
4.3.28.2	Attributes.....	74
4.3.28.3	Attribute constraints.....	74
4.3.28.4	Notifications.....	74
4.3.29	UPFFunction <<ProxyClass>>.....	74
4.3.29.1	Definition.....	74
4.3.29.2	Attributes.....	74
4.3.29.3	Attribute constraints.....	74
4.3.29.4	Notifications.....	74
4.3.30	AMFFunction <<ProxyClass>>.....	75
4.3.30.1	Definition.....	75
4.3.30.2	Attributes.....	75
4.3.30.3	Attribute constraints.....	75
4.3.30.4	Notifications.....	75
4.3.31	Void.....	75
4.3.32	NRCellRelation.....	75
4.3.32.1	Definition.....	75
4.3.32.2	Attributes.....	75
4.3.32.3	Attribute constraints.....	76
4.3.32.4	Notifications.....	76
4.3.33	NRFreqRelation.....	76
4.3.33.1	Definition.....	76
4.3.33.2	Attributes.....	76

4.3.33.3	Attribute constraints	76
4.3.33.4	Notifications	77
4.3.34	Void	77
4.3.35	ExternalNRCellCU	77
4.3.35.1	Definition	77
4.3.35.2	Attributes.....	77
4.3.35.3	Attribute constraints	77
4.3.35.4	Notifications.....	77
4.3.36	RRMPolicyRatio.....	77
4.3.36.1	Definition	77
4.3.36.2	Attributes.....	78
4.3.36.3	Attribute constraints	79
4.3.36.4	Notifications.....	79
4.3.37	S-NSSAI <<dataType>>.....	79
4.3.37.1	Definition	79
4.3.37.2	Attributes.....	79
4.3.37.3	Attribute constraints	79
4.3.37.4	Notifications.....	79
4.3.38	NRFrequency.....	79
4.3.38.1	Definition	79
4.3.38.2	Attributes.....	79
4.3.38.3	Attribute constraints	79
4.3.38.4	Notifications.....	80
4.3.39	CommonBeamformingFunction.....	80
4.3.39.1	Definition	80
4.3.39.2	Attributes.....	80
4.3.39.3	Attribute constraints	80
4.3.39.4	Notifications.....	80
4.3.40	Beam.....	80
4.3.40.1	Definition	80
4.3.40.2	Attributes.....	81
4.3.40.3	Attribute constraints	81
4.3.40.4	Notifications.....	81
4.3.41	PLMNInfo <<dataType>>	81
4.3.41.1	Definition	81
4.3.41.2	Attributes.....	81
4.3.41.3	Attribute constraints	81
4.3.41.4	Notifications.....	82
The subclause 4.5 of the <<IOC>> using this <<dataType>> as one of its attributes, shall be applicable.		
		RRMPolicyMem
	ber <<dataType>>	82
4.3.42.1	Definition	82
4.3.42.2	Attributes.....	82
4.3.42.3	Attribute constraints	82
4.3.42.4	Notifications.....	82
4.3.43	RRMPolicy_	82
4.3.43.1	Definition	82
4.3.43.2	Attributes.....	82
4.3.43.3	Attribute constraints	83
4.3.43.4	Notifications.....	83
4.3.44	RRMPolicyManagedEntity <<ProxyClass>>.....	83
4.3.44.1	Definition	83
4.3.44.2	Attributes.....	83
4.3.44.3	Attribute constraints	83
4.3.44.4	Notifications.....	83
4.3.45	GNBCUCPNeighbour <<ProxyClass>>	83
4.3.45.1	Definition	83
4.3.45.2	Attributes.....	83
4.3.45.3	Attribute constraints	84
4.3.45.4	Notifications.....	84

4.3.46	GNBCUUPNeighbour <<ProxyClass>>	84
4.3.46.1	Definition	84
4.3.46.2	Attributes.....	84
4.3.46.3	Attribute constraints	84
4.3.46.4	Notifications.....	84
4.3.47	MappingSetIDBackhaulAddress <<dataType>>	84
4.3.47.1	Definition	84
4.3.47.2	Attributes.....	84
4.3.47.3	Attribute constraints	85
4.3.47.4	Notifications.....	85
4.3.48	BackhaulAddress <<dataType>>.....	85
4.3.48.1	Definition	85
4.3.48.2	Attributes.....	85
4.3.48.3	Attribute constraints	85
4.3.48.4	Notifications.....	85
4.3.49	Void.....	85
4.3.50	RimRSGlobal.....	85
4.3.50.1	Definition	85
4.3.50.2	Attributes.....	85
4.3.50.3	Attribute constraints	86
4.3.50.4	Notifications.....	86
4.3.51	FrequencyDomainPara <<dataType>>	86
4.3.51.1	Definition	86
4.3.51.2	Attributes.....	86
4.3.51.3	Attribute constraints	86
4.3.51.4	Notifications.....	86
4.3.52	SequenceDomainPara <<dataType>>.....	86
4.3.52.1	Definition	86
4.3.52.2	Attributes.....	86
4.3.52.3	Attribute constraints	87
4.3.52.4	Notifications.....	87
4.3.53	TimeDomainPara <<dataType>>	87
4.3.53.1	Definition	87
4.3.53.2	Attributes.....	87
4.3.53.3	Attribute constraints	87
4.3.53.4	Notifications.....	87
4.3.54	RimRSReportConf <<dataType>>.....	87
4.3.54.1	Definition	87
4.3.54.2	Attributes.....	87
4.3.54.3	Attribute constraints	88
4.3.54.4	Notifications.....	88
4.3.55	RimRSReportInfo <<dataType>>	88
4.3.55.1	Definition	88
4.3.55.2	Attributes.....	88
4.3.55.3	Attribute constraints	88
4.3.55.4	Notifications.....	88
4.3.56	RimRSSet	88
4.3.56.1	Definition	88
4.3.56.2	Attributes.....	89
4.3.56.3	Attribute constraints	89
4.3.56.4	Notifications.....	89
4.3.57	DANRManagementFunction.....	89
4.3.57.1	Definition	89
4.3.57.2	Attributes.....	89
4.3.57.3	Attribute constraints	89
4.3.57.4	Notifications.....	89
4.3.58	DESMManagementFunction	89
4.3.58.1	Definition	89
4.3.58.2	Attributes.....	90
4.3.58.3	Attribute constraints	90
4.3.58.4	Notification	91

4.3.59 DRACHOptimizationFunction..... 91

4.3.59.1 Definition 91

4.3.59.2 Attributes..... 91

4.3.59.3 Attribute constraints 91

4.3.59.4 Notifications 91

4.3.60 DMROFunction..... 91

4.3.60.1 Definition 91

4.3.60.2 Attributes..... 91

4.3.60.3 Attribute constraints 92

4.3.60.4 Notifications 92

4.3.61 DPCIConfigurationFunction..... 92

4.3.61.1 Definition 92

4.3.61.2 Attributes..... 92

4.3.61.3 Attribute constraints 92

4.3.61.4 Notifications 92

4.3.62 CPCIConfigurationFunction..... 93

4.3.62.1 Definition 93

4.3.62.2 Attributes..... 93

4.3.62.3 Attribute constraints 93

4.3.62.4 Notifications 93

4.3.63 CESManagementFunction 93

4.3.63.1 Definition 93

4.3.63.2 Attributes..... 93

4.3.63.3 Attribute constraints 94

4.3.63.4 Notification 94

4.3.64 AddressWithVlan <<dataType>> 94

4.3.64.1 Definition 94

4.3.64.2 Attributes..... 94

4.3.64.3 Attribute constraints 94

4.3.64.4 Notifications 94

4.3.65 TceIDMappingInfo <<dataType>>..... 95

4.3.65.1 Definition 95

4.3.65.2 Attributes..... 95

4.3.65.3 Attribute constraints 95

4.3.65.4 Notifications 95

4.3.66 Void 95

4.3.67 OperatorDU 95

4.3.67.1 Definition 95

4.3.67.2 Attributes..... 96

4.3.67.3 Attribute Constraints 96

4.3.67.4 Notifications 96

4.3.68 NROperatorCellDU 96

4.3.68.1 Definition 96

4.3.68.2 Attributes..... 96

4.3.68.3 Attribute Constraints 96

4.3.68.4 Notifications 97

4.3.69 DLBOFunction..... 97

4.3.69.1 Definition 97

4.3.69.2 Attributes..... 97

4.3.69.3 Attribute constraints 97

4.3.69.4 Notifications 97

4.3.70 CCOFunction..... 98

4.3.70.1 Definition 98

4.3.70.2 Attributes..... 98

4.3.70.3 Attribute constraints 98

4.3.70.4 Notifications 98

4.3.71 CCOWeakCoverageParameters..... 98

4.3.71.1 Definition 98

4.3.71.2 Attributes..... 98

4.3.71.3 Attribute constraints 98

4.3.71.4 Notifications 98

4.3.72	CCOPilotPollutionParameters	98
4.3.72.1	Definition	98
4.3.72.2	Attributes	99
4.3.72.3	Attribute constraints	99
4.3.72.4	Notifications	99
4.3.73	CCOOvershootCoverageParameters	99
4.3.73.1	Definition	99
4.3.73.2	Attributes	99
4.3.73.3	Attribute constraints	99
4.3.73.4	Notifications	99
4.3.74	CCOParameters	99
4.3.74.1	Definition	99
4.3.74.2	Attributes	99
4.3.74.3	Attribute constraints	100
4.3.74.4	Notifications	100
4.3.75	ParameterRange <<dataType>>	100
4.3.75.1	Definition	100
4.3.75.2	Attributes	100
4.3.75.3	Attribute constraints	100
4.3.75.4	Notifications	100
4.3.76	BWPSet	100
4.3.76.1	Definition	100
4.3.76.2	Attributes	100
4.3.76.3	Attribute constraints	100
4.3.76.4	Notifications	100
4.3.77	NTNFunction	101
4.3.77.1	Definition	101
4.3.77.2	Attributes	101
4.3.77.3	Attribute constraints	101
4.3.77.4	Notifications	101
4.3.78	EphemerisInfoSet	101
4.3.78.1	Definition	101
4.3.78.2	Attributes	101
4.3.78.3	Attribute constraints	101
4.3.78.4	Notifications	101
4.3.79	Ephemeris<<dataType>>	101
4.3.79.1	Definition	101
4.3.79.2	Attributes	102
4.3.79.3	Attribute constraints	102
4.3.79.4	Notifications	102
4.3.80	PositionVelocity <<dataType>>	102
4.3.80.1	Definition	102
4.3.80.2	Attributes	102
4.3.80.3	Attribute constraints	102
4.3.80.4	Notifications	102
4.3.81	Orbital <<dataType>>	102
4.3.81.1	Definition	102
4.3.81.2	Attributes	102
4.3.81.3	Attribute constraints	103
4.3.81.4	Notifications	103
4.3.82	QceIdMappingInfo <<dataType>>	103
4.3.82.1	Definition	103
4.3.82.2	Attributes	103
4.3.82.3	Attribute constraints	103
4.3.82.4	Notifications	103
4.3.83	MappedCellIdInfo <<dataType>>	103
4.3.83.1	Definition	103
4.3.83.2	Attributes	103
4.3.83.3	Attribute constraints	104
4.3.83.4	Notifications	104
4.3.84	LoadTimeThreshold <<dataType>>	104

4.3.84.1	Definition	104
4.3.84.2	Attributes.....	104
4.3.84.3	Attribute constraints	104
4.3.84.4	Notifications.....	104
4.3.85	EsNotAllowedTimePeriod <<dataType>>.....	104
4.3.85.1	Definition	104
4.3.85.2	Attributes.....	104
4.3.85.3	Attribute constraints	104
4.3.85.4	Notifications.....	104
4.3.86	UeAccDelayProbability <<dataType>>	105
4.3.86.1	Definition	105
4.3.86.2	Attributes.....	105
4.3.86.3	Attribute constraints	105
4.3.86.4	Notifications.....	105
4.3.87	UeAccProbability <<dataType>>	105
4.3.87.1	Definition	105
4.3.87.2	Attributes.....	105
4.3.87.3	Attribute constraints	105
4.3.87.4	Notifications.....	105
4.3.88	NRNetwork.....	105
4.3.88.1	Definition	105
4.3.88.2	Attributes.....	105
4.3.88.3	Attribute constraints	105
4.3.88.4	Notifications.....	106
4.3.89	EUtraNetwork.....	106
4.3.89.1	Definition	106
4.3.89.2	Attributes.....	106
4.3.89.3	Attribute constraints	106
4.3.89.4	Notifications.....	106
4.3.90	NRECMappingRule	106
4.3.90.1	Definition	106
4.3.90.2	Attributes.....	106
4.3.90.3	Attribute Constraints	106
4.3.90.4	Notifications.....	106
4.4	Attribute definitions	107
4.4.1	Attribute properties	107
4.5	Common notifications	142
4.5.1	Alarm notifications	142
4.5.2	Configuration notifications	142
4.5.3	Threshold Crossing notifications	142
5	Information Model definitions for 5GC NRM	143
5.1	Imported information entities and local labels	143
5.2	Class diagram	143
5.2.1	Class diagram of 5GC NFs	143
5.2.1.1	Relationships.....	143
5.2.1.2	Inheritance.....	157
5.2.2	Class diagram of AMF Region/AMF Set	164
5.2.2.1	Relationships.....	164
5.2.2.2	Inheritance.....	165
5.3	Class definitions	165
5.3.1	AMFFunction.....	165
5.3.1.1	Definition	165
5.3.1.2	Attributes.....	165
5.3.1.3	Attribute constraints	166
5.3.1.4	Notifications.....	166
5.3.2	SMFFunction.....	166
5.3.2.1	Definition	166
5.3.2.2	Attributes.....	166
5.3.2.3	Attribute constraints	167
5.3.2.4	Notifications.....	167

5.3.3	UPFFunction.....	167
5.3.3.1	Definition	167
5.3.3.2	Attributes.....	167
5.3.3.3	Attribute constraints	167
5.3.3.4	Notifications.....	168
5.3.4	N3IWFFunction	168
5.3.4.1	Definition	168
5.3.4.2	Attributes.....	168
5.3.4.3	Attribute constraints	168
5.3.4.4	Notifications.....	168
5.3.5	PCFFunction.....	168
5.3.5.1	Definition	168
5.3.5.2	Attributes.....	168
5.3.5.3	Attribute constraints	169
5.3.5.4	Notifications.....	169
5.3.6	AUSFFunction.....	169
5.3.6.1	Definition	169
5.3.6.2	Attributes.....	169
5.3.6.3	Attribute constraints	169
5.3.6.4	Notifications.....	169
5.3.7	UDMFunction.....	169
5.3.7.1	Definition	169
5.3.7.2	Attributes.....	169
5.3.7.3	Attribute constraints	170
5.3.7.4	Notifications.....	170
5.3.8	UDRFunction.....	170
5.3.8.1	Definition	170
5.3.8.2	Attributes.....	170
5.3.8.3	Attribute constraints	170
5.3.8.4	Notifications.....	170
5.3.9	UDSFFunction.....	170
5.3.9.1	Definition	170
5.3.9.2	Attributes.....	170
5.3.9.3	Attribute constraints	171
5.3.9.4	Notifications.....	171
5.3.10	NRFFunction.....	171
5.3.10.1	Definition	171
5.3.10.2	Attributes.....	171
5.3.10.3	Attribute constraints	171
5.3.10.4	Notifications.....	171
5.3.11	NSSFFunction.....	171
5.3.11.1	Definition	171
5.3.11.2	Attributes.....	171
5.3.11.3	Attribute constraints	172
5.3.11.4	Notifications.....	172
5.3.12	AFFunction.....	172
5.3.12.1	Definition	172
5.3.12.2	Attributes.....	172
5.3.12.3	Attribute constraints	172
5.3.12.4	Notifications.....	172
5.3.13	DNFunction.....	172
5.3.13.1	Definition	172
5.3.14	SMSFFunction.....	172
5.3.14.1	Definition	172
5.3.14.2	Attributes.....	173
5.3.14.3	Attribute constraints	173
5.3.14.4	Notifications.....	173
5.3.15	LMFFunction.....	173
5.3.15.1	Definition	173
5.3.15.2	Attributes.....	173
5.3.15.3	Attribute constraints	173

5.3.15.4	Notifications.....	173
5.3.16	NGEIRFunction.....	174
5.3.16.1	Definition.....	174
5.3.16.2	Attributes.....	174
5.3.16.3	Attribute constraints.....	174
5.3.16.4	Notifications.....	174
5.3.17	SEPPFunction.....	174
5.3.17.1	Definition.....	174
5.3.17.2	Attributes.....	174
5.3.17.3	Attribute constraints.....	174
5.3.17.4	Notifications.....	175
5.3.18	NWDAFFunction.....	175
5.3.18.1	Definition.....	175
5.3.18.2	Attributes.....	175
5.3.18.3	Attribute constraints.....	175
5.3.18.4	Notifications.....	175
5.3.19	EP_N2.....	175
5.3.19.1	Definition.....	175
5.3.19.2	Attributes.....	175
5.3.19.3	Attribute constraints.....	176
5.3.19.4	Notifications.....	176
5.3.20	EP_N3.....	176
5.3.20.1	Definition.....	176
5.3.20.2	Attributes.....	176
5.3.20.3	Attribute constraints.....	176
5.3.20.4	Notifications.....	176
5.3.21	EP_N4.....	176
5.3.21.1	Definition.....	176
5.3.21.2	Attributes.....	176
5.3.21.3	Attribute constraints.....	177
5.3.21.4	Notifications.....	177
5.3.22	EP_N5.....	177
5.3.22.1	Definition.....	177
5.3.22.2	Attributes.....	177
5.3.22.3	Attribute constraints.....	177
5.3.22.4	Notifications.....	177
5.3.23	EP_N6.....	177
5.3.23.1	Definition.....	177
5.3.23.2	Attributes.....	177
5.3.23.3	Attribute constraints.....	177
5.3.23.4	Notifications.....	177
5.3.24	EP_N7.....	178
5.3.24.1	Definition.....	178
5.3.24.2	Attributes.....	178
5.3.24.3	Attribute constraints.....	178
5.3.24.4	Notifications.....	178
5.3.25	EP_N8.....	178
5.3.25.1	Definition.....	178
5.3.25.2	Attributes.....	178
5.3.25.3	Attribute constraints.....	178
5.3.25.4	Notifications.....	178
5.3.26	EP_N9.....	178
5.3.26.1	Definition.....	178
5.3.26.2	Attributes.....	179
5.3.26.3	Attribute constraints.....	179
5.3.26.4	Notifications.....	179
5.3.27	EP_N10.....	179
5.3.27.1	Definition.....	179
5.3.27.2	Attributes.....	179
5.3.27.3	Attribute constraints.....	179
5.3.27.4	Notifications.....	179

5.3.28	EP_N11	179
5.3.28.1	Definition	179
5.3.28.2	Attributes	179
5.3.28.3	Attribute constraints	180
5.3.28.4	Notifications	180
5.3.29	EP_N12	180
5.3.29.1	Definition	180
5.3.29.2	Attributes	180
5.3.29.3	Attribute constraints	180
5.3.29.4	Notifications	180
5.3.30	EP_N13	180
5.3.30.1	Definition	180
5.3.30.2	Attributes	180
5.3.30.3	Attribute constraints	181
5.3.30.4	Notifications	181
5.3.31	EP_N14	181
5.3.31.1	Definition	181
5.3.31.2	Attributes	181
5.3.31.3	Attribute constraints	181
5.3.31.4	Notifications	181
5.3.32	EP_N15	181
5.3.32.1	Definition	181
5.3.32.2	Attributes	181
5.3.32.3	Attribute constraints	181
5.3.32.4	Notifications	182
5.3.33	EP_N16	182
5.3.33.1	Definition	182
5.3.33.2	Attributes	182
5.3.33.3	Attribute constraints	182
5.3.33.4	Notifications	182
5.3.34	EP_N17	182
5.3.34.1	Definition	182
5.3.34.2	Attributes	182
5.3.34.3	Attribute constraints	182
5.3.34.4	Notifications	182
5.3.35	EP_N20	183
5.3.35.1	Definition	183
5.3.35.2	Attributes	183
5.3.35.3	Attribute constraints	183
5.3.35.4	Notifications	183
5.3.36	EP_N21	183
5.3.36.1	Definition	183
5.3.36.2	Attributes	183
5.3.36.3	Attribute constraints	183
5.3.36.4	Notifications	183
5.3.37	EP_N22	183
5.3.37.1	Definition	183
5.3.37.2	Attributes	184
5.3.37.3	Attribute constraints	184
5.3.37.4	Notifications	184
5.3.38	EP_N26	184
5.3.38.1	Definition	184
5.3.38.2	Attributes	184
5.3.38.3	Attribute constraints	184
5.3.38.4	Notifications	184
5.3.39	Void	184
5.3.40	Void	184
5.3.41	EP_S5C	184
5.3.41.1	Definition	184
5.3.41.2	Attributes	185
5.3.41.3	Attribute constraints	185