**Third Generation Partnership Project (3GPP™)**

**Meeting Report  
for  
TSG SA WG5  
meeting: 152**

**Chicago, US, 13/11/2023 to 17/11/2023**

Contents:

1 Opening of the meeting 5

2 Approval of the agenda 5

3 IPR and legal declaration 5

4 Meetings and activities reports 5

4.1 Last SA5 meeting report 5

4.2 Inter-organizational reports 5

5 SA5 level issues 5

5.1 Administrative issues at SA5 level 5

5.2 Technical issues at SA5 level 6

5.3 Liaison statements at SA5 level 6

5.4 SA5 meeting calendar 7

6 OAM&P 8

6.1 OAM&P Plenary 8

6.2 New OAM&P Work Item proposals 15

6.2.1 Intelligence and Automation 15

6.2.2 Management Architecture and Mechanisms 17

6.2.3 Support of New Services 22

6.3 OAM&P Maintenance and Rel-18 small Enhancements 23

6.3.1 Methodology 23

6.3.2 ANL 24

6.3.3 MDAS 24

6.3.4 AI/ML 27

6.3.5 Energy efficiency 30

6.3.6 Intent driven management 30

6.3.7 SON 32

6.3.8 QMC 32

6.3.9 Network slicing management 32

6.3.10 MEC management 40

6.3.11 General NRM 40

6.3.12 PM/KPI 46

6.3.13 Trace/MDT 48

6.3.14 Other 55

6.4 OAM&P Rel-18 Work Items - Intelligence and Automation 64

6.4.1 Self-Configuration of RAN NEs 64

6.4.1.1 RANSC\_WoP#1 64

6.4.1.2 RANSC\_WoP#2 64

6.4.1.3 RANSC\_WoP#3 64

6.4.1.4 Draft TS email approval 65

6.4.2 Management Data Analytics phase 2 65

6.4.2.1 eMDAS\_Ph2\_WoP#1 65

6.4.2.2 eMDAS\_Ph2\_WoP#2 65

6.4.2.3 eMDAS\_Ph2\_WoP#3 67

6.4.2.4 eMDAS\_Ph2\_WoP#4 67

6.4.2.5 eMDAS\_Ph2\_WoP#5 67

6.4.2.6 eMDAS\_Ph2\_WoP#6 67

6.4.2.7 eMDAS\_Ph2\_WoP#7 67

6.4.3 AI/ML management 67

6.4.3.1 AIML\_MGT\_WoP#1 67

6.4.3.2 AIML\_MGT\_WoP#2 76

6.4.4 Intent driven Management Service for mobile network phase 2 77

6.4.4.1 IDMS\_MN\_ph2\_WoP#1 77

6.4.4.2 IDMS\_MN\_ph2\_WoP#2 78

6.4.4.3 IDMS\_MN\_ph2\_WoP#3 80

6.4.4.4 IDMS\_MN\_ph2\_WoP#4 84

6.4.4.5 IDMS\_MN\_ph2\_WoP#5 84

6.5 OAM&P Rel-18 Work Items - Management Architecture and Mechanisms 84

6.5.1 Service based management architecture 84

6.5.1.1 eSBMA\_WoP#1 84

6.5.1.2 eSBMA\_WoP#2 86

6.5.1.3 eSBMA\_WoP3# 86

6.5.1.4 eSBMA\_WoP#4 86

6.5.1.5 eSBMA\_WoP#5 87

6.5.1.6 eSBMA\_WoP#6 87

6.5.1.7 eSBMA\_WoP#7 88

6.5.1.8 eSBMA\_WoP#8 88

6.5.1.9 Draft TS email approval 88

6.5.2 Network slicing provisioning rules 89

6.5.2.1 NSRULE\_WoP#1 89

6.5.2.2 NSRULE\_WoP#2 89

6.5.3 Management of Trace/MDT phase 2 90

6.5.3.1 5GMDT\_Ph2\_WoP#1 90

6.5.3.2 5GMDT\_Ph2\_WoP#2 91

6.5.3.3 5GMDT\_Ph2\_WoP#3 91

6.5.3.4 5GMDT\_Ph2\_WoP#4 92

6.5.3.5 5GMDT\_Ph2\_WoP#5 93

6.5.4 5G performance measurements and KPIs phase 3 93

6.5.4.1 PM\_KPI\_5G\_Ph3\_WoP#1 93

6.5.4.2 PM\_KPI\_5G\_Ph3\_WoP#2 93

6.5.4.3 PM\_KPI\_5G\_Ph3\_WoP#3 94

6.5.4.4 PM\_KPI\_5G\_Ph3\_WoP#4 95

6.5.5 Additional NRM features phase 2 97

6.5.5.1 AdNRM\_ph2\_WoP#1 97

6.5.5.2 AdNRM\_ph2\_WoP#2 98

6.5.5.3 AdNRM\_ph2\_WoP#3 98

6.5.5.4 AdNRM\_ph2\_WoP#4 98

6.5.5.5 AdNRM\_ph2\_WoP#5 99

6.5.6 Management Aspects related to NWDAF 101

6.5.6.1 MANWDAF\_WoP#1 101

6.5.6.2 MANWDAF\_WoP#2 101

6.5.6.3 MANWDAF\_WoP#3 103

6.5.7 Enhanced Edge Computing Management 103

6.5.7.1 eECM\_WoP#1 103

6.5.7.2 eECM\_WoP#2 104

6.5.7.3 eECM\_WoP#3 104

6.5.8 Management Aspect of 5GLAN 104

6.5.8.1 5GLAN\_Mgt\_WoP#1 104

6.5.8.2 5GLAN\_Mgt\_WoP#2 104

6.5.9 Management Aspects of NTN 104

6.5.9.1 OAM\_NTN\_WoP#1 104

6.5.9.2 OAM\_NTN\_WoP#2 105

6.5.9.3 OAM\_NTN\_WoP#3 106

6.5.10 Management of cloud-native Virtualized Network Functions 106

6.5.10.1 MCVNF\_WoP#1 106

6.5.10.2 MCVNF\_WoP#2 106

6.5.10.3 MCVNF\_WoP#3 106

6.5.11 Management Aspects of 5G Network Sharing Phase2 107

6.5.11.1 MANS\_ph2\_WoP#1 107

6.5.11.2 MANS\_ph2\_WoP#2 109

6.5.12 Management Aspects of URLLC 109

6.5.12.1 URLLC\_Mgt\_WoP#1 109

6.5.12.2 URLLC\_Mgt\_WoP#2 109

6.5.13 Management aspects of 5G system supporting satellite backhaul (Preliminary work before SA) 109

6.5.13.1 OAM\_5GSATB\_WoP#1 109

6.5.13.2 OAM\_5GSATB\_WoP#2 111

6.6 OAM&P Rel-18 Work Items - Support of New Services 111

6.6.1 Access control for management service 111

6.6.1.1 MSAC\_WoP#1 111

6.6.1.2 MSAC\_WoP#2 111

6.6.1.3 MSAC\_WoP#3 111

6.6.1.4 MSAC\_WoP#4 112

6.6.2 Enhancements of EE for 5G Phase 2 112

6.6.2.1 EE5GPLUS\_Ph2\_WoP#1 112

6.6.2.2 EE5GPLUS\_Ph2\_WoP#2 113

6.6.3 Management of non-public networks phase 2 113

6.6.3.1 OAM\_NPN\_Ph2\_WoP#1 113

6.6.3.2 OAM\_NPN\_Ph2\_WoP#2 113

6.6.3.3 OAM\_NPN\_Ph2\_WoP#3 114

6.6.3.4 OAM\_NPN\_Ph2\_WoP#4 114

6.6.4 Network and Service Operations for Energy Utilities 114

6.6.4.1 NSOEU\_WoP#1 114

6.6.4.2 NSOEU\_WoP#2 114

6.6.4.3 NSOEU\_WoP#3 114

6.6.4.4 NSOEU\_WoP#4 117

6.6.4.5 Draft TS email approval 117

6.7 OAM&P Studies - Intelligence and Automation 117

6.7.1 Study on evaluation of autonomous network levels 117

6.7.1.1 FS\_ANLEVA\_WoP#1 117

6.7.1.2 FS\_ANLEVA\_WoP#2 118

6.7.1.3 FS\_ANLEVA\_WoP#3 118

6.7.1.4 FS\_ANLEVA\_WoP#4 118

6.7.1.5 Draft TR email approval 118

6.7.2 Study on intent-driven management for network slicing 118

6.7.2.1 FS\_NETSLICE\_IDMS\_WoP#1 118

6.7.2.2 FS\_NETSLICE\_IDMS\_WoP#2 118

6.7.2.3 FS\_NETSLICE\_IDMS\_WoP#3 118

6.7.2.4 FS\_NETSLICE\_IDMS\_WoP#4 118

6.7.2.5 FS\_NETSLICE\_IDMS\_WoP#5 119

6.7.2.6 Draft TR email approval 119

6.7.3 Study on Fault Supervision Evolution 119

6.7.3.1 FS\_FSEV\_WoP#1 119

6.7.3.2 FS\_FSEV\_WoP#2 120

6.7.3.3 FS\_FSEV\_WoP#3 121

6.7.3.4 Draft TR email approval 121

6.8 OAM&P Studies - Management Architecture and Mechanisms 121

6.8.1 Study on Data management phase 2 121

6.8.1.1 FS\_MADCOL\_ph2\_WoP#1 121

6.8.1.2 FS\_MADCOL\_ph2\_WoP#2 122

6.8.1.3 FS\_MADCOL\_ph2\_WoP#3 122

6.8.1.4 FS\_MADCOL\_ph2\_WoP#4 123

6.8.1.5 Draft TR email approval 123

6.9 OAM&P Studies - Support of New Services 123

6.9.1 Study on Key Quality Indicators (KQIs)for 5G service experience 123

6.9.1.1 FS\_KQI\_5G\_WoP#1 123

6.9.1.2 FS\_KQI\_5G\_WoP#2 124

6.9.1.3 FS\_KQI\_5G\_WoP#3 124

6.9.1.4 FS\_KQI\_5G\_WoP#4 125

6.9.1.5 FS\_KQI\_5G\_WoP#5 125

6.9.1.6 Draft TR email approval 125

6.9.2 Study on Deterministic Communication Service Assurance 125

6.9.2.1 FS\_DCSA\_WoP#1 125

6.9.2.2 FS\_DCSA\_WoP#2 125

6.9.2.3 FS\_DCSA\_WoP#3 125

6.9.2.4 FS\_DCSA\_WoP#4 125

6.9.2.5 FS\_DCSA\_WoP#5 126

6.9.2.6 Draft TR email approval 126

7 Charging 127

7.1 Charging Plenary 127

7.2 New Charging Work Item proposals 127

7.3 Charging Maintenance and Rel-18 small Enhancements 131

7.4 Rel-18 Charging 144

7.4.1 Charging Aspects of Network Slicing Phase 2 144

7.4.2 Charging Aspects for NSSAA 146

7.4.3 Charging Aspects for Enhanced Support of Non-Public Networks 147

7.4.4 Charging Aspects of IMS Data Channel 148

7.4.5 Charging Aspects for SMF and MB-SMF to Support 5G Multicast-broadcast Services 148

7.4.6 Charging Aspects of TSN 151

7.4.7 Charging Aspects of B2B 155

7.4.8 Charging Aspects of 5WWC phase 2 156

7.4.9 Charging for roaming and additional actor using CHF to CHF interface 156

7.4.10 Charging aspects of Satellite Access in 5GS 160

7.5 Charging studies 161

7.5.1 Study on Nchf charging services phase 2 161

7.5.2 Study on CHF Segmentation 162

7.5.3 Study on charging aspects of Satellite in 5GS 166

7.5.4 Study on Charging Aspects of Ranging and Sidelink Positioning 167

8 Any Other Business 169

9 Closing of the meeting 169

Annex A: Contribution documents and status 170

A1: List of TDocs 170

A2: Tdoc decision timing 198

Annex B: List of change requests 214

Annex C: Lists of liaisons 236

C1: Incoming liaison statements 236

C2: Outgoing liaison statements 237

Annex D: List of agreed/approved new and revised Work Items 238

Annex E: List of draft Technical Specifications and Reports 239

Annex F: List of participants 240

Annex G: List of future meetings 241

## 1 Opening of the meeting

## 2 Approval of the agenda

**S5-237300 Agenda**

*Type: agenda For: (not specified)  
 Source: WG Chair*

**Decision:** The document was **approved**.

## 3 IPR and legal declaration

**S5-237301 IPR and legal declaration**

*Type: other For: (not specified)  
 Source: WG Chair*

**Decision:** The document was **noted**.

## 4 Meetings and activities reports

### 4.1 Last SA5 meeting report

**S5-237302 Report from last SA5 meeting**

*Type: report For: (not specified)  
 Source: MCC*

**Decision:** The document was **approved**.

### 4.2 Inter-organizational reports

## 5 SA5 level issues

### 5.1 Administrative issues at SA5 level

**S5-237303 Post meeting email approval status**

*Type: other For: (not specified)  
 Source: WG Vice Chair (Ericsson)*

**Decision:** The document was **not treated**.

**S5-237314 SA5 working procedures**

*Type: other For: (not specified)  
 Source: WG Chair, WG Vice Chair(Ericsson)*

**Decision:** The document was **revised to S5-238095**.

**S5-238095 SA5 working procedures**

*Type: other For: -  
 Source: WG Chair, WG Vice Chair(Ericsson)*

(Replaces S5-237314)

**Decision:** The document was **approved**.

**S5-237315 SA5 Meeting facility requirements**

*Type: other For: (not specified)  
 Source: WG Chair*

**Decision:** The document was **noted**.

**S5-237318 Process for management of draft TS-TRs**

*Type: discussion For: (not specified)  
 Source: WG Chair*

**Decision:** The document was **withdrawn**.

**S5-237372 SA5 working procedures**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **merged**.

**S5-237373 User Guide - Using Forge for SA5**

*Type: other For: Information  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**S5-237375 Rel-19 SA5 work planning**

*Type: Work Plan For: Information  
 Source: SA5 Chair, SA5 Vice chair (Ericsson),SA5 Vice chair (Nokia)*

**Decision:** The document was **noted**.

### 5.2 Technical issues at SA5 level

### 5.3 Liaison statements at SA5 level

**S5-237333 LS on inputs for mapping GSMA OPG architecture roles with 3GPP defined Edge architectures**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-233417*

**Decision:** The document was **replied to in S5-238096**.

**S5-237335 IETF HTTP RFCs obsoleted by RFCs 9110, 9111 and 9113**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C4-233513*

**Decision:** The document was **noted**.

**S5-237341 LS to SA, SA3 and SA5 on potential collaboration between 3GPP SA3/SA5 and ETSI SAI ISG**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: ETSI ISG SAI*

**Decision:** The document was **postponed**.

**S5-237343 LS to 3GPP re Monitoring of Encrypted 5GS Signalling Traffic**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: GSMA*

**Decision:** The document was **replied to in S5-238140**.

**S5-237410 Reply LS to LS to 3GPP re Monitoring of Encrypted 5GS Signalling Traffic**

*Type: LS out For: Approval  
 to GSMA 5GPKIWP  
 Source: MATRIXX Software, Nokia,Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238140**.

**S5-238140 Reply LS to LS to 3GPP re Monitoring of Encrypted 5GS Signalling Traffic**

*Type: LS out For: Approval  
 to GSMA 5GPKIWP, cc SA,SA3  
 Source: MATRIXX Software, Nokia,Nokia Shanghai Bell*

(Replaces S5-237410)

**Decision:** The document was **approved**.

**S5-237974 Update on autonomous networks key effectiveness indicators**

**LS(23)0004 Update on autonomous networks key effectiveness indicators**

*Type: LS in For: Approval  
 Original outgoing LS: -, to -, cc -  
 Source: TM Forum*

**Decision:** The document was **postponed**.

**S5-238097 Reply LS on Monitoring of Encrypted 5GS Signalling Traffic**

*Type: LS in For: discussion  
 Original outgoing LS: -, to -, cc -  
 Source: S3-235009*

**Decision:** The document was **noted**.

**S5-238127 Tuesday Q0 Breakout on 5.3 Trace OAM/CH LS disc**

*Type: report For: Information  
 Source: Nokia*

**Decision:** The document was **noted**.

### 5.4 SA5 meeting calendar

**S5-237319 SA5 meeting calendar**

*Type: other For: (not specified)  
 Source: WG Chair*

**Decision:** The document was **noted**.

## 6 OAM&P

### 6.1 OAM&P Plenary

**S5-237304 OAM&P action list**

*Type: other For: (not specified)  
 Source: WG Vice Chair (Nokia)*

**Decision:** The document was **noted**.

**S5-237305 OAM meeting process**

*Type: other For: (not specified)  
 Source: WG Vice Chair (Ericsson)*

**Decision:** The document was **withdrawn**.

**S5-237306 agenda\_with\_Tdocs\_sequence\_proposal\_OAM**

*Type: agenda For: (not specified)  
 Source: WG Chair*

**Decision:** The document was **noted**.

**S5-237307 OAM Exec Report**

*Type: report For: (not specified)  
 Source: WG Vice Chair (Nokia)*

**Decision:** The document was **noted**.

**S5-237308 OAM Chair notes and conclusions**

*Type: report For: (not specified)  
 Source: WG Chair*

**Decision:** The document was **noted**.

**S5-237311 Collection of useful endorsed documents in OAM**

*Type: discussion For: (not specified)  
 Source: WG Vice Chair (Nokia)*

**Decision:** The document was **noted**.

**S5-237312 Collecction of external communication documents in OAM**

*Type: discussion For: (not specified)  
 Source: WG Vice Chair (Nokia)*

**Decision:** The document was **noted**.

**S5-237316 Collection of Rel-18 3GPP SA5 OAM WoP**

*Type: discussion For: (not specified)  
 Source: WG Chair*

**Decision:** The document was **noted**.

**S5-237317 Living document for stage 2-3 alignment**

*Type: discussion For: (not specified)  
 Source: WG Vice Chair (Ericsson)*

**Decision:** The document was **noted**.

**S5-237320 Time Plan for OAM&P sessions**

*Type: other For: (not specified)  
 Source: WG Chair*

**Decision:** The document was **revised to S5-238345**.

**S5-238345 Time Plan for OAM&P sessions**

*Type: other For: -  
 Source: WG Chair*

(Replaces S5-237320)

**Decision:** The document was **noted**.

**S5-237321 Reply LS on Enhancement on the attribute for 5GLAN management**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C4-234414*

**Decision:** The document was **replied to in S5-238099**.

**S5-238099 Reply to: Reply LS on Enhancement on the attribute for 5GLAN management**

*Type: LS out For: approval  
 to CT4, cc SA2  
 Source: China Mobile*

**Decision:** The document was **approved**.

**S5-237323 LS on a Framework for Network Slices in Networks Built from IETF Technologies Submission**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: IETF*

**Decision:** The document was **noted**.

**S5-237324 Reply LS on area scope for QoE measurements**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R2-2311400*

**Decision:** The document was **replied to in S5-238098**.

**S5-238098 Reply to: Reply LS on area scope for QoE measurements**

*Type: LS out For: approval  
 to RAN2, cc RAN3,SA4  
 Source: Ericsson*

**Decision:** The document was **approved**.

**S5-237325 Reply LS on QMC support in RRC\_IDLE and RRC\_INACTIVE**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R2-2311409*

**Decision:** The document was **noted**.

**S5-237326 Response LS on introduction new attribute to support source coordination between LTE and NR SA**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-235702*

**Decision:** The document was **noted**.

**S5-237327 Reply LS on Reply to LS on AI/ML for NG-RAN Energy Saving Energy Cost index**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-235743*

**Decision:** The document was **postponed**.

**S5-237328 Reply LS on Multiple Trace/MDT configurations**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-235882*

**Decision:** The document was **postponed**.

**S5-237329 Reply LS on Priority information and NR-DC**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-235912*

**Decision:** The document was **noted**.

**S5-237330 Reply LS on MBS communication service**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-235913*

**Decision:** The document was **noted**.

**S5-237331 Further reply LS on Cell ID (re)configuration for mobile IAB cell**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-235921*

**Decision:** The document was **noted**.

**S5-237332 Reply LS on the provisioning services specified in SA5**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2311892*

**Decision:** The document was **noted**.

**S5-237334 LSout to 3GPP SA5 Reply to "5G network energy efficiency and energy saving" (NFV(22)000018)**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: ETSI ISG NFV*

**Decision:** The document was **noted**.

**S5-237336 LS on user consent for SON/MDT for NB-IoT Ues**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R2-2309030*

**Decision:** The document was **replied to in S5-238102**.

**S5-238102 Reply to: LS on user consent for SON/MDT for NB-IoT Ues**

*Type: LS out For: approval  
 to RAN2, cc SA3  
 Source: Ericsson*

**Decision:** The document was **approved**.

**S5-237337 LS on MDT measurements collection in MR-DC**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-232070*

**Decision:** The document was **postponed**.

**S5-237338 LS on QoE measurement collection for application sessions delivered via MBS broadcast or multicast**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-233457*

**Decision:** The document was **replied to in S5-238103**.

**S5-238103 Reply to: LS on QoE measurement collection for application sessions delivered via MBS broadcast or multicast**

*Type: LS out For: approval  
 to RAN3,SA4  
 Source: Ericsson*

**Decision:** The document was **approved**.

**S5-237339 Reply LS on area scope for QoE measurements**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S4-231490*

**Decision:** The document was **noted**.

**S5-237340 LS on MDT for NPN**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-234744*

**Decision:** The document was **replied to in S5-238101**.

**S5-237342 Liaison Multi-SDO Autonomous Networks (AN) Formal Liaison: Call for Candidate Proposals for AN SDO Information Sharing**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: TM Forum*

**Decision:** The document was **replied to in S5-237698**.

**S5-237344 LSout about PIM specification development by ETSI NFV**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: ETSI ISG NFV*

**Decision:** The document was **replied to in S5-237440**.

**S5-237345 Publication of ETSI NFV specification on Intent Management Service Interface and Intent Information Model**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: ETSI ISG NFV*

**Decision:** The document was **replied to in S5-238162**.

**S5-237346 LSout on “Certificate Management”**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: ETSI ISG NFV*

**Decision:** The document was **postponed**.

**S5-237435 LS to SA2 on network energy related information exposure**

*Type: LS out For: Approval  
 to SA2, cc SA, SA1  
 Source: Huawei*

**Decision:** The document was **revised to S5-238106**.

**S5-238106 LS to SA2 on network energy related information exposure**

*Type: LS out For: Approval  
 to SA2, cc SA, SA1  
 Source: Huawei*

(Replaces S5-237435)

**Decision:** The document was **approved**.

**S5-237439 Reply LS on S5-237345 Publication of ETSI NFV specification on Intent Management Service Interface and Intent Information Model**

*Type: LS out For: Approval  
 to ETSI ISG NFV, cc TM Forum, ETSI ISG ZSM, ETSI ISG ENI, LFN, O-RAN Alliance, ITU-T SG13  
 Source: Huawei*

**Decision:** The document was **revised to S5-238162**.

**S5-238162 Reply LS on S5-237345 Publication of ETSI NFV specification on Intent Management Service Interface and Intent Information Model**

*Type: LS out For: Approval  
 to ETSI ISG NFV, cc TM Forum, ETSI ISG ZSM, ETSI ISG ENI, LFN, O-RAN Alliance, ITU-T SG13  
 Source: Huawei*

(Replaces S5-237439)

**Decision:** The document was **approved**.

**S5-237440 Reply LS on S5-237344 LSout about PIM specification development by ETSI NFV**

*Type: LS out For: Approval  
 to ETSI ISG NFV  
 Source: Huawei*

**Decision:** The document was **approved**.

**S5-237504 Reply LS on MDT for NPN**

*Type: LS out For: (not specified)  
 to RAN3, cc RAN2, SA3  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-238101**.

**S5-238101 Reply LS on MDT for NPN**

*Type: LS out For: -  
 to RAN3, cc RAN2, SA3  
 Source: Ericsson LM*

(Replaces S5-237504)

**Decision:** The document was **approved**.

**S5-237585 LS on the progress update of AI/ML Management specifications in SA5**

*Type: LS out For: Approval  
 to RAN1, RAN2, cc RAN, RAN3  
 Source: NEC, Intel*

**Decision:** The document was **revised to S5-238107**.

**S5-238107 LS on the progress update of AI/ML Management specifications in SA5**

*Type: LS out For: Approval  
 to RAN1, RAN2, RAN3, SA2, cc SA1, SA, RAN  
 Source: NEC, Intel*

(Replaces S5-237585)

**Decision:** The document was **approved**.

**S5-237633 Reply LS on Multiple TraceMDT configurations**

*Type: LS out For: Approval  
 to RAN3  
 Source: Nokia, Nokia Shangai Bell*

**Decision:** The document was **noted**.

**S5-237661 Reply LS on MDT for NPN**

*Type: LS out For: Approval  
 to RAN3, RAN2  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **merged**.

**S5-237662 Reply LS on MDT measurements collection in MR-DC**

*Type: LS out For: Approval  
 to RAN3  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **merged**.

**S5-237688 Reply LS on MDT measurements collection in MR-DC**

*Type: LS out For: Approval  
 to RAN3  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-238100 Reply LS on MDT measurements collection in MR-DC**

*Type: LS out For: Approval  
 to RAN3  
 Source: Huawei*

**Decision:** The document was **withdrawn**.

**S5-237698 Reply to Liaison Multi-SDO Autonomous Networks (AN) Formal Liaison: Call for Candidate Proposals for AN SDO Information Sharing**

*Type: LS out For: (not specified)  
 to TM Forum, cc ETSI, GSMA, ONAP, NGMN, CCSA, IEEE, IETF, ITU-T  
 Source: WG Chair*

**Decision:** The document was **approved**.

**S5-237707 LS reply on inputs for mapping GSMA OPG architecture roles with 3GPP defined Edge architectures**

*Type: LS out For: Agreement  
 to SA6  
 Source: Samsung R&D Institute India*

**Decision:** The document was **revised to S5-238096**.

**S5-238096 LS reply on inputs for mapping GSMA OPG architecture roles with 3GPP defined Edge architectures**

*Type: LS out For: Agreement  
 to SA6  
 Source: Samsung R&D Institute India*

(Replaces S5-237707)

**Decision:** The document was **approved**.

**S5-237941 LS on issues with Packet Uu Loss Rate with delay threshold in the DL per DRB per UE**

*Type: LS out For: Approval  
 to 3GPP RAN2, cc 3GPP SA, 3GPP RAN3  
 Source: Samsung Electronics Iberia SA*

**Decision:** The document was **approved**.

**S5-238108 LS reply for LS on user consent for SON/MDT for NB-IoT Ues**

*Type: LS in For: discussion  
 Original outgoing LS: -, to -, cc -  
 Source: S3-235004*

**Decision:** The document was **postponed**.

### 6.2 New OAM&P Work Item proposals

#### 6.2.1 Intelligence and Automation

**S5-237479 New SID on effectiveness of zero-touch orchestration and management**

*Type: SID new For: Approval  
 Source: China Mobile, China Telecomunication*

**Decision:** The document was **noted**.

**S5-238272 New SID on effectiveness of zero-touch orchestration and management**

*Type: SID new For: Approval  
 Source: China Mobile, China Telecomunication*

**Decision:** The document was **withdrawn**.

**S5-237542 New Rel-19 SID Study on AI and ML management phase 2**

*Type: SID new For: Discussion  
 Source: Intel, NEC*

**Decision:** The document was **revised to S5-238133**.

**S5-238133 New Rel-19 SID Study on AI and ML management phase 2**

*Type: SID new For: Discussion  
 Source: Intel, NEC*

(Replaces S5-237542)

**Decision:** The document was **agreed**.

**S5-237608 New SID: Study on Management Data Analytics (MDA) – Phase 3**

*Type: SID new For: Agreement  
 Source: NEC, Intel*

**Decision:** The document was **revised to S5-238134**.

**S5-238134 New SID: Study on Management Data Analytics (MDA) – Phase 3**

*Type: SID new For: Agreement  
 Source: NEC, Intel*

(Replaces S5-237608)

**Decision:** The document was **revised to S5-238351**.

**S5-238351 New SID: Study on Management Data Analytics (MDA) – Phase 3**

*Type: SID new For: Agreement  
 Source: NEC, Intel*

(Replaces S5-238134)

**Decision:** The document was **agreed**.

**S5-237660 New Rel-19 Study on intent driven management services for mobile networks phase 3**

*Type: SID new For: Approval  
 Source: Huawei*

(Replaces S5-237226)

**Decision:** The document was **revised to S5-238135**.

**S5-238135 New Rel-19 Study on intent driven management services for mobile networks phase 3**

*Type: SID new For: Approval  
 Source: Huawei*

(Replaces S5-237660)

**Decision:** The document was **agreed**.

**S5-237687 Rel-19 OAM topic Progress in SA5#152**

*Type: discussion For: Information  
 Source: WG Chair*

(Replaces S5-237186)

**Decision:** The document was **noted**.

**S5-237702 New Study on Closed Control loop management**

*Type: WID new For: Agreement  
 Source: Samsung R&D Institute India*

**Decision:** The document was **revised to S5-238136**.

**S5-238136 New Study on Closed Control loop management**

*Type: WID new For: Agreement  
 Source: Samsung R&D Institute India*

(Replaces S5-237702)

**Decision:** The document was **agreed**.

**S5-237812 New SID on Management aspect of Network Digital Twin**

*Type: SID new For: Approval  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **revised to S5-238204**.

**S5-238204 New SID on Management aspect of Network Digital Twin**

*Type: SID new For: Approval  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-237812)

**Decision:** The document was **revised to S5-238344**.

**S5-238344 New SID on Management aspect of Network Digital Twin**

*Type: SID new For: Approval  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-238204)

**Decision:** The document was **agreed**.

**S5-237948 DP on unifying Confusing Control Loops**

*Type: discussion For: Endorsement  
 Source: ZTE Corporation*

**Decision:** The document was **noted**.

#### 6.2.2 Management Architecture and Mechanisms

**S5-237538 New SID on cloud aspects of management and orchestration**

*Type: SID new For: (not specified)  
 Source: Microsoft Europe SARL*

**Decision:** The document was **revised to S5-238194**.

**S5-238194 New SID on cloud aspects of management and orchestration**

*Type: SID new For: -  
 Source: Microsoft Europe SARL*

(Replaces S5-237538)

**Decision:** The document was **agreed**.

**S5-237578 Rel-19 New SID Enablers for Security Monitoring**

*Type: SID new For: Approval  
 Source: Nokia UK*

**Decision:** The document was **revised to S5-238264**.

**S5-238264 Rel-19 New SID Enablers for Security Monitoring**

*Type: SID new For: Approval  
 Source: Nokia UK,DTAG*

(Replaces S5-237578)

**Decision:** The document was **agreed**.

**S5-237579 Rel-19 Discussion paper on enablers for security monitoring**

*Type: discussion For: Discussion  
 Source: Nokia UK*

**Decision:** The document was **revised to S5-238195**.

**S5-238195 Rel-19 Discussion paper on enablers for security monitoring**

*Type: discussion For: Discussion  
 Source: Nokia UK*

(Replaces S5-237579)

**Decision:** The document was **noted**.

**S5-237580 Rel-19 New WID for MSAC**

*Type: WID new For: Approval  
 Source: Nokia UK*

**Decision:** The document was **noted**.

**S5-237616 New SID on SBMA enhancement phase 3**

*Type: SID new For: Approval  
 Source: Huawei*

**Decision:** The document was **revised to S5-238196**.

**S5-238196 New SID on SBMA enhancement phase 3**

*Type: SID new For: Approval  
 Source: Huawei*

(Replaces S5-237616)

**Decision:** The document was **agreed**.

**S5-237619 New WID on 5G performance measurements and KPIs phase 4**

*Type: WID new For: Approval  
 Source: China Telecom Corporation Ltd.*

**Decision:** The document was **revised to S5-238202**.

**S5-238202 New WID on 5G performance measurements and KPIs phase 4**

*Type: WID new For: Approval  
 Source: China Telecom Corporation Ltd.*

(Replaces S5-237619)

**Decision:** The document was **agreed**.

**S5-237645 New SID on Management Aspects of NTN Phase 2**

*Type: SID new For: Approval  
 Source: CATT, China Unicom*

**Decision:** The document was **revised to S5-238206**.

**S5-238206 New SID on Management Aspects of NTN Phase 2**

*Type: SID new For: Approval  
 Source: CATT, China Unicom*

(Replaces S5-237645)

**Decision:** The document was **agreed**.

**S5-237655 New WID on 5G Advanced NRM features phase 3**

*Type: WID new For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238203**.

**S5-238203 New WID on 5G Advanced NRM features phase 3**

*Type: WID new For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237655)

**Decision:** The document was **revised to S5-238262**.

**S5-238262 New WID on 5G Advanced NRM features phase 3**

*Type: WID new For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-238203)

**Decision:** The document was **agreed**.

**S5-237674 New SID on management aspects of RedCap feature**

*Type: SID new For: (not specified)  
 Source: AsiaInfo Technologies Inc*

**Decision:** The document was **revised to S5-238342**.

**S5-238342 New SID on management aspects of RedCap feature**

*Type: SID new For: -  
 Source: AsiaInfo Technologies Inc*

(Replaces S5-237674)

**Decision:** The document was **agreed**.

**S5-237700 New SID on Management aspects of Integrated Sensing and Communication**

*Type: SID new For: Approval  
 Source: ZTE Corporation,China Unicom*

(Replaces S5-237236)

**Decision:** The document was **revised to S5-238307**.

**S5-238307 New SID on Management aspects of Integrated Sensing and Communication**

*Type: SID new For: Approval  
 Source: ZTE Corporation,China Unicom*

(Replaces S5-237700)

**Decision:** The document was **noted**.

**S5-237721 New Study on Enhancement of Management Aspects related to NWDAF Phase 2**

*Type: SID new For: Approval  
 Source: China Telecommunications*

**Decision:** The document was **revised to S5-238208**.

**S5-238208 New Study on Enhancement of Management Aspects related to NWDAF Phase 2**

*Type: SID new For: Approval  
 Source: China Telecommunications*

(Replaces S5-237721)

**Decision:** The document was **revised to S5-238352**.

**S5-238352 New Study on Enhancement of Management Aspects related to NWDAF Phase 2**

*Type: SID new For: Approval  
 Source: China Telecommunications*

(Replaces S5-238208)

**Decision:** The document was **agreed**.

**S5-237815 Rel-19 New WID on Data Management phase 2**

*Type: WID new For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238200**.

**S5-238200 Rel-19 New WID on Data Management phase 2**

*Type: WID new For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237815)

**Decision:** The document was **agreed**.

**S5-237818 Rel-19 New SID on Plan management**

*Type: WID new For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238199**.

**S5-238199 Rel-19 New SID on Plan management**

*Type: WID new For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237818)

**Decision:** The document was **agreed**.

**S5-237883 New SID on Management of IAB Nodes**

*Type: SID new For: Approval  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-238207**.

**S5-238207 New SID on Management of IAB Nodes**

*Type: SID new For: Approval  
 Source: Ericsson LM*

(Replaces S5-237883)

**Decision:** The document was **agreed**.

**S5-237884 New WID on Support for Subscriber and Equipment Trace and QoE collection functionality in RAN and core network**

*Type: WID new For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **revised to S5-238205**.

**S5-238205 New WID on Support for Subscriber and Equipment Trace and QoE collection functionality in RAN and core network**

*Type: WID new For: -  
 Source: Ericsson*

(Replaces S5-237884)

**Decision:** The document was **revised to S5-238343**.

**S5-238343 New WID on Support for Subscriber and Equipment Trace and QoE collection functionality in RAN and core network**

*Type: WID new For: -  
 Source: Ericsson*

(Replaces S5-238205)

**Decision:** The document was **agreed**.

**S5-237885 New SID on data management, subscriptions and reporting**

*Type: SID new For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **revised to S5-238201**.

**S5-238201 New Study on data management, regarding subscriptions and reporting**

*Type: SID new For: -  
 Source: Ericsson*

(Replaces S5-237885)

**Decision:** The document was **agreed**.

**S5-237886 New WID on Provide management functions for Rel-19 traffic and radio functions in the RAN and the core network**

*Type: WID new For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **noted**.

**S5-237892 DP on simplifying the decision-making architecture**

*Type: discussion For: Discussion  
 Source: VODAFONE Group Plc*

**Decision:** The document was **revised to S5-238198**.

**S5-238198 DP on simplifying the decision-making architecture**

*Type: discussion For: Discussion  
 Source: VODAFONE Group Plc,Verizon,Telefonica,Deutsche Telekom AG*

(Replaces S5-237892)

**Decision:** The document was **noted**.

**S5-237928 New Rel-19 Study on Management of Network Sharing Phase 3**

*Type: SID new For: Approval  
 Source: China Unicom, China Telcom, Ericsson, Huawei, ZTE, CMCC*

**Decision:** The document was **revised to S5-238209**.

**S5-238209 New Rel-19 Study on Management of Network Sharing Phase 3**

*Type: SID new For: Approval  
 Source: China Unicom, China Telcom, Ericsson, Huawei, ZTE, CMCC*

(Replaces S5-237928)

**Decision:** The document was **agreed**.

**S5-237964 Discussion paper on Alarm definition**

*Type: discussion For: Endorsement  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-238120**.

**S5-238120 Discussion paper on Alarm definition**

*Type: discussion For: Endorsement  
 Source: Ericsson Hungary Ltd*

(Replaces S5-237964)

**Decision:** The document was **noted**.

#### 6.2.3 Support of New Services

**S5-237434 New SID on energy efficiency and energy saving aspects of 5G networks and services**

*Type: SID new For: Agreement  
 Source: Huawei*

**Decision:** The document was **revised to S5-238235**.

**S5-238235 New SID on energy efficiency and energy saving aspects of 5G networks and services**

*Type: SID new For: Agreement  
 Source: Huawei*

(Replaces S5-237434)

**Decision:** The document was **revised to S5-238353**.

**S5-238353 New SID on energy efficiency and energy saving aspects of 5G networks and services**

*Type: SID new For: Agreement  
 Source: Huawei*

(Replaces S5-238235)

**Decision:** The document was **agreed**.

**S5-237798 Rel-19 SID MExpo**

*Type: SID new For: Discussion  
 Source: Nokia*

**Decision:** The document was **revised to S5-238243**.

**S5-238243 Rel-19 SID MExpo**

*Type: SID new For: Discussion  
 Source: Nokia,Telefonica, DTAG*

(Replaces S5-237798)

**Decision:** The document was **revised to S5-238354**.

**S5-238354 Rel-19 SID MExpo**

*Type: SID new For: Discussion  
 Source: Nokia,Telefonica, DTAG*

(Replaces S5-238243)

**Decision:** The document was **agreed**.

**S5-237799 Rel-19 WID MExpo**

*Type: WID new For: Discussion  
 Source: Nokia*

**Decision:** The document was **noted**.

### 6.3 OAM&P Maintenance and Rel-18 small Enhancements

#### 6.3.1 Methodology

**S5-237584 Rel-18 CR TS 32.156 Supplement the specification for establishing a relationship between <<dataType>> and model elements in UML class diagram**

*Type: CR For: Agreement  
 32.156 v18.3.0 CR-0084 Cat: F (Rel-18)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-238287**.

**S5-238287 Rel-18 CR TS 32.156 Supplement the specification for establishing a relationship between <<dataType>> and model elements in UML class diagram**

*Type: CR For: Agreement  
 32.156 v18.3.0 CR-0084 rev 1 Cat: F (Rel-18)  
  
 Source: China Mobile Com. Corporation, Ericsson, Huawei, Nokia*

(Replaces S5-237584)

**Decision:** The document was **agreed**.

**S5-237722 Rel-15 CR TS 32.156 Clarification on predefined dataType and example**

*Type: CR For: Approval  
 32.156 v15.4.0 CR-0085 Cat: F (Rel-15)  
  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **not pursued**.

**S5-237723 Rel-16 CR TS 32.156 Clarification on predefined dataType and example**

*Type: CR For: Approval  
 32.156 v16.8.0 CR-0086 Cat: A (Rel-16)  
  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **not pursued**.

**S5-237724 Rel-17 CR TS 32.156 Clarification on predefined dataType and example**

*Type: CR For: Approval  
 32.156 v17.4.0 CR-0087 Cat: A (Rel-17)  
  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **not pursued**.

**S5-237725 Rel-18 CR TS 32.156 Clarification on predefined dataType and example**

*Type: CR For: Approval  
 32.156 v18.3.0 CR-0088 Cat: A (Rel-18)  
  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **revised to S5-238290**.

**S5-238290 Rel-18 CR TS 32.156 Clarification on predefined dataType and example**

*Type: CR For: Approval  
 32.156 v18.3.0 CR-0088 rev 1 Cat: F (Rel-18)  
  
 Source: L.M. Ericsson Limited*

(Replaces S5-237725)

**Decision:** The document was **agreed**.

**S5-237894 Discussion paper on datatype visualization**

*Type: discussion For: Endorsement  
 32.156 v..  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-238286**.

**S5-238286 Discussion paper on datatype visualization**

*Type: discussion For: Endorsement  
 32.156 v..  
 Source: Ericsson, China Mobile, Huawei, Nokia*

(Replaces S5-237894)

**Decision:** The document was **endorsed**.

#### 6.3.2 ANL

#### 6.3.3 MDAS

**S5-237534 Rel 17 CR TS 28.105 Resolve issues related to the usage of confidenceIndication attribute**

*Type: CR For: Approval  
 28.105 v17.5.0 CR-0067 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238124**.

**S5-238124 Rel 17 CR TS 28.105 Resolve issues related to the usage of confidenceIndication attribute**

*Type: CR For: Approval  
 28.105 v17.5.0 CR-0067 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237534)

**Decision:** The document was **agreed**.

**S5-237535 Rel 18 CR TS 28.105 Resolve issues related to the usage of confidenceIndication attribute**

*Type: CR For: Approval  
 28.105 v18.1.0 CR-0068 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238125**.

**S5-238125 Rel 18 CR TS 28.105 Resolve issues related to the usage of confidenceIndication attribute**

*Type: CR For: Approval  
 28.105 v18.1.0 CR-0068 rev 1 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237535)

**Decision:** The document was **agreed**.

**S5-237593 correction on startTime and stopTime in MDARequest**

*Type: CR For: Agreement  
 28.104 v17.5.0 CR-0068 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-237594 Correction on startTime and stopTime in MDARequest**

*Type: CR For: Agreement  
 28.104 v18.1.0 CR-0069 Cat: A (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-237646 Rel-18 CR 28.104 Update discription on deployment of multiple MDAs**

*Type: CR For: Approval  
 28.104 v18.1.0 CR-0070 Cat: A (Rel-18)  
  
 Source: CATT*

**Decision:** The document was **not pursued**.

**S5-238292 Rel-18 CR 28.104 Update discription on deployment of multiple MDAs**

*Type: CR For: Approval  
 28.104 v18.1.0 CR-0070 rev 1 Cat: A (Rel-18)  
  
 Source: CATT*

**Decision:** The document was **withdrawn**.

**S5-237647 Rel-17 CR 28.104 Update discription on deployment of multiple MDAs**

*Type: CR For: Approval  
 28.104 v17.5.0 CR-0071 Cat: F (Rel-17)  
  
 Source: CATT*

**Decision:** The document was **not pursued**.

**S5-238291 Rel-17 CR 28.104 Update discription on deployment of multiple MDAs**

*Type: CR For: Approval  
 28.104 v17.5.0 CR-0071 rev 1 Cat: F (Rel-17)  
  
 Source: CATT*

**Decision:** The document was **withdrawn**.

**S5-237709 Correct issues for references of enabling data**

*Type: CR For: Agreement  
 28.104 v17.5.0 CR-0072 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-237710 Correct issues for references of enabling data**

*Type: CR For: Agreement  
 28.104 v18.1.0 CR-0073 Cat: A (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-237882 Correction of attribute properties**

*Type: CR For: Agreement  
 28.104 v17.5.0 CR-0074 Cat: F (Rel-17)  
  
 Source: Ericsson*

**Decision:** The document was **withdrawn**.

**S5-237893 Correction of attribute properties**

*Type: CR For: Agreement  
 28.104 v18.1.0 CR-0075 Cat: A (Rel-18)  
  
 Source: Ericsson*

**Decision:** The document was **withdrawn**.

**S5-237967 Correction of attribute properties**

*Type: CR For: Agreement  
 28.104 v17.5.0 CR-0076 Cat: F (Rel-17)  
  
 Source: Ericsson-LG Co., LTD*

**Decision:** The document was **revised to S5-238174**.

**S5-238174 Correction of attribute properties**

*Type: CR For: Agreement  
 28.104 v17.5.0 CR-0076 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson-LG Co., LTD*

(Replaces S5-237967)

**Decision:** The document was **agreed**.

**S5-237968 Rel-18 CR 28.104 Correction of attribute properties**

*Type: CR For: Agreement  
 28.104 v18.1.0 CR-0077 Cat: A (Rel-18)  
  
 Source: Ericsson-LG Co., LTD*

**Decision:** The document was **revised to S5-238175**.

**S5-238175 Rel-18 CR 28.104 Correction of attribute properties**

*Type: CR For: Agreement  
 28.104 v18.1.0 CR-0077 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson-LG Co., LTD*

(Replaces S5-237968)

**Decision:** The document was **agreed**.

#### 6.3.4 AI/ML

**S5-237521 CR TS 28.105 Rel-17 Correction of IOC name**

*Type: CR For: Approval  
 28.105 v17.5.0 CR-0062 Cat: F (Rel-17)  
  
 Source: Ericsson India Private Limited*

**Abstract:**

CR TS 28.105 Rel-17 Correction of IOC name

**Decision:** The document was **revised to S5-238293**.

**S5-238293 CR TS 28.105 Rel-17 Correction of IOC name**

*Type: CR For: Approval  
 28.105 v17.5.0 CR-0062 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson India Private Limited*

(Replaces S5-237521)

**Decision:** The document was **agreed**.

**S5-237522 CR TS 28.105 Rel-18 Correction of IOC name**

*Type: CR For: Approval  
 28.105 v18.1.0 CR-0063 Cat: A (Rel-18)  
  
 Source: Ericsson India Private Limited*

**Abstract:**

Correction of IOC Name

**Decision:** The document was **revised to S5-238294**.

**S5-238294 CR TS 28.105 Rel-18 Correction of IOC name**

*Type: CR For: Approval  
 28.105 v18.1.0 CR-0063 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson India Private Limited*

(Replaces S5-237522)

**Decision:** The document was **agreed**.

**S5-237523 TS 28.105 Rel-17 Correction of attribute properties**

*Type: CR For: Approval  
 28.105 v17.5.0 CR-0064 Cat: F (Rel-17)  
  
 Source: Ericsson India Private Limited*

**Abstract:**

Correction of attribute properties

**Decision:** The document was **revised to S5-238295**.

**S5-238295 TS 28.105 Rel-17 Correction of attribute properties**

*Type: CR For: Agreement  
 28.105 v17.5.0 CR-0064 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson India Private Limited*

(Replaces S5-237523)

**Decision:** The document was **agreed**.

**S5-237531 TS 28.105 Rel-18 Correction of attribute properties**

*Type: CR For: Approval  
 28.105 v18.1.0 CR-0065 Cat: A (Rel-18)  
  
 Source: Ericsson India Private Limited*

**Abstract:**

Correction of attribute properties

**Decision:** The document was **revised to S5-238296**.

**S5-238296 TS 28.105 Rel-18 Correction of attribute properties**

*Type: CR For: Approval  
 28.105 v18.1.0 CR-0065 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson India Private Limited*

(Replaces S5-237531)

**Decision:** The document was **agreed**.

**S5-237533 TS 28.105 Rel-18 Correction of MLTrainingFunction constraints**

*Type: CR For: Approval  
 28.105 v18.1.0 CR-0066 Cat: F (Rel-18)  
  
 Source: Ericsson India Private Limited*

**Abstract:**

Correction of MLTrainingFunction constraints

**Decision:** The document was **revised to S5-238297**.

**S5-238297 TS 28.105 Rel-18 Correction of MLTrainingFunction constraints**

*Type: CR For: Approval  
 28.105 v18.1.0 CR-0066 rev 1 Cat: F (Rel-18)  
  
 Source: Ericsson India Private Limited*

(Replaces S5-237533)

**Decision:** The document was **agreed**.

**S5-237571 Rel 18 CR TS 28.105 Fix incorrect figure label**

*Type: CR For: Approval  
 28.105 v18.1.0 CR-0069 Cat: A (Rel-18)  
  
 Source: Ericsson*

**Decision:** The document was **agreed**.

**S5-237574 Rel 17 CR TS 28.105 Fix incorrect figure label**

*Type: CR For: Approval  
 28.105 v17.5.0 CR-0070 Cat: F (Rel-17)  
  
 Source: Ericsson*

**Decision:** The document was **agreed**.

**S5-237622 Rel-18 CR TS 28.105 Removing ML Entity ID attribute**

*Type: CR For: Approval  
 28.105 v18.1.0 CR-0071 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not pursued**.

**S5-237833 Rel-17 TS 28.105 Restore definition of attribute mLEntityList**

*Type: CR For: Approval  
 28.105 v17.5.0 CR-0072 Cat: F (Rel-17)  
  
 Source: Ericsson India Private Limited*

**Abstract:**

Restore definition of attribute mLEntityList

**Decision:** The document was **not pursued**.

**S5-238285 Rel 17 CR TS 28.105 Remove unused attribute mLEntityList**

*Type: CR For: Agreement  
 28.105 v17.5.0 CR-0060 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson,Nokia*

(Replaces S5-236849)

**Decision:** The document was **agreed**.

#### 6.3.5 Energy efficiency

#### 6.3.6 Intent driven management

**S5-237681 Rel-17 CR TS28.312 Clarify the description of object instance**

*Type: CR For: Approval  
 28.312 v17.5.0 CR-0187 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

**Decision:** The document was **agreed**.

**S5-237683 Rel-18 CR TS28.312 Clarify the description of object instance**

*Type: CR For: Approval  
 28.312 v18.1.1 CR-0188 Cat: A (Rel-18)  
  
 Source: ZTE Corporation*

**Decision:** The document was **agreed**.

**S5-237726 Clarify verbs in attribute definitions**

*Type: CR For: Approval  
 28.312 v17.5.0 CR-0192 Cat: F (Rel-17)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-238298**.

**S5-238298 Clarify verbs in attribute definitions**

*Type: CR For: Approval  
 28.312 v17.5.0 CR-0192 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson*

(Replaces S5-237726)

**Decision:** The document was **agreed**.

**S5-237727 Clarify verbs in attribute definitions**

*Type: CR For: Approval  
 28.312 v18.1.1 CR-0193 Cat: A (Rel-18)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-238299**.

**S5-238299 Clarify verbs in attribute definitions**

*Type: CR For: Approval  
 28.312 v18.1.1 CR-0193 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson*

(Replaces S5-237727)

**Decision:** The document was **agreed**.

**S5-237728 Correct intent driven MnS description in clause 4.2.2**

*Type: CR For: Approval  
 28.312 v17.5.0 CR-0194 Cat: F (Rel-17)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-238300**.

**S5-238300 Correct intent driven MnS description in clause 4.2.2**

*Type: CR For: Approval  
 28.312 v17.5.0 CR-0194 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson*

(Replaces S5-237728)

**Decision:** The document was **agreed**.

**S5-237729 Rel-18 CR TS 28.312 Correct intent driven MnS description in clause 4.2.2**

*Type: CR For: Approval  
 28.312 v18.1.1 CR-0195 Cat: A (Rel-18)  
  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **revised to S5-238301**.

**S5-238301 Rel-18 CR TS 28.312 Correct intent driven MnS description in clause 4.2.2**

*Type: CR For: Approval  
 28.312 v18.1.1 CR-0195 rev 1 Cat: A (Rel-18)  
  
 Source: L.M. Ericsson Limited*

(Replaces S5-237729)

**Decision:** The document was **agreed**.

**S5-237906 Rel-17 CR 28.312 Correct create an intent procedure**

*Type: CR For: Approval  
 28.312 v17.5.0 CR-0200 Cat: F (Rel-17)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-238302**.

**S5-238302 Rel-17 CR 28.312 Correct create an intent procedure**

*Type: CR For: Approval  
 28.312 v17.5.0 CR-0200 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson Inc.*

(Replaces S5-237906)

**Decision:** The document was **agreed**.

**S5-237907 Rel-18 CR 28.312 Correct create an intent procedure**

*Type: CR For: Approval  
 28.312 v18.1.1 CR-0201 Cat: A (Rel-18)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-238303**.

**S5-238303 Rel-18 CR 28.312 Correct create an intent procedure**

*Type: CR For: Approval  
 28.312 v18.1.1 CR-0201 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson Inc.*

(Replaces S5-237907)

**Decision:** The document was **agreed**.

#### 6.3.7 SON

#### 6.3.8 QMC

#### 6.3.9 Network slicing management

**S5-237347 Correction of yang code for sliceprofile**

*Type: CR For: Approval  
 28.541 v17.12.0 CR-1057 Cat: F (Rel-17)  
  
 Source: Ericsson India Private Limited*

**Abstract:**

Correction of TAI and Sliceprofile

**Decision:** The document was **revised to S5-238326**.

**S5-238326 Correction of yang code for sliceprofile**

*Type: CR For: Approval  
 28.541 v17.12.0 CR-1057 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson India Private Limited*

(Replaces S5-237347)

**Decision:** The document was **agreed**.

**S5-237377 Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in DelayTolerance**

*Type: CR For: Approval  
 28.541 v17.12.0 CR-1070 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237378 Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in DeterministicComm**

*Type: CR For: Approval  
 28.541 v17.12.0 CR-1071 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237379 Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in XLThpt**

*Type: CR For: Approval  
 28.541 v17.12.0 CR-1072 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237380 Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in MaxPktSize**

*Type: CR For: Approval  
 28.541 v17.12.0 CR-1073 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237381 Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in MaxNumberofPDUSessions**

*Type: CR For: Approval  
 28.541 v17.12.0 CR-1074 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237382 Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in KPIMonitoring**

*Type: CR For: Approval  
 28.541 v17.12.0 CR-1075 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237383 Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in TermDensity**

*Type: CR For: Approval  
 28.541 v17.12.0 CR-1076 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237384 Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in Positioning**

*Type: CR For: Approval  
 28.541 v17.12.0 CR-1077 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237385 Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in Synchronicity**

*Type: CR For: Approval  
 28.541 v17.12.0 CR-1078 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237386 Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in EnergyEfficiency**

*Type: CR For: Approval  
 28.541 v17.12.0 CR-1079 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237387 Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in NSSAASupport**

*Type: CR For: Approval  
 28.541 v17.12.0 CR-1080 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237388 Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in MaxNumberofUEs**

*Type: CR For: Approval  
 28.541 v17.12.0 CR-1081 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **withdrawn**.

**S5-237389 Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in RadioSpectrum**

*Type: CR For: Approval  
 28.541 v17.12.0 CR-1082 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237390 Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in UserMgmtOpen**

*Type: CR For: Approval  
 28.541 v17.12.0 CR-1083 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237391 Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in V2XCommMode**

*Type: CR For: Approval  
 28.541 v17.12.0 CR-1084 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237392 Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in NBIoT**

*Type: CR For: Approval  
 28.541 v17.12.0 CR-1085 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237393 Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in DelayTolerance**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1086 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237394 Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in DeterministicComm**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1087 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237395 Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in XLThpt**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1088 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237396 Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in MaxPktSize**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1089 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237397 Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in MaxNumberofPDUSessions**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1090 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237398 Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in KPIMonitoring**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1091 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237399 Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in TermDensity**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1092 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237400 Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in Positioning**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1093 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237401 Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in Synchronicity**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1094 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237402 Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in EnergyEfficiency**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1095 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237403 Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in NSSAASupport**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1096 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237404 Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in MaxNumberofUEs**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1097 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237405 Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in RadioSpectrum**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1098 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237406 Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in UserMgmtOpen**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1099 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237407 Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in V2XCommMode**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1100 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237408 Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in NBIoT**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1101 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237409 Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in NonIPSupport**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1102 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237497 Rel-18 CR TS 28.531 Correct the description of Procedure of Network Slice Instance allocation**

*Type: CR For: Approval  
 28.531 v18.3.0 CR-0228 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S5-238304**.

**S5-238304 Rel-18 CR TS 28.531 Correct the description of Procedure of Network Slice Instance allocation**

*Type: CR For: Approval  
 28.531 v18.3.0 CR-0228 rev 1 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

(Replaces S5-237497)

**Decision:** The document was **agreed**.

**S5-237731 Rel-16 CR TS 28.541 Enhance description of jitter in attribute table**

*Type: CR For: Approval  
 28.541 v16.17.0 CR-1115 Cat: F (Rel-16)  
  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

**Decision:** The document was **not pursued**.

**S5-237732 Rel-17 CR TS 28.541 Enhance description of jitter in attribute table**

*Type: CR For: Approval  
 28.541 v17.12.0 CR-1116 Cat: A (Rel-17)  
  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

**Decision:** The document was **not pursued**.

**S5-237733 Rel-18 CR TS 28.541 Enhance description of jitter in attribute table**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1117 Cat: A (Rel-18)  
  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

**Decision:** The document was **not pursued**.

**S5-237734 Rel-18 CR TS 28.541 Enhance network slice model description**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1118 Cat: F (Rel-18)  
  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

**Decision:** The document was **not pursued**.

**S5-237952 Rel-18 Ts 28.541 Correction of yang code for sliceprofile**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1129 Cat: A (Rel-18)  
  
 Source: Ericsson India Private Limited*

**Abstract:**

Correction of yang code for sliceprofile

**Decision:** The document was **agreed**.

**S5-237957 Rel-18 TS 28.623 YANG Correction of GeoAreaGrp and GeoCoordinateGrp**

*Type: CR For: Approval  
 28.623 v18.4.0 CR-0305 Cat: F (Rel-18)  
  
 Source: Ericsson India Private Limited*

**Abstract:**

Rel-18 TS 28.623 YANG Correction of GeoArea attribute definition

**Decision:** The document was **revised to S5-238284**.

**S5-238284 Rel-18 TS 28.623 YANG Correction of GeoAreaGrp and GeoCoordinateGrp**

*Type: CR For: Approval  
 28.623 v18.4.0 CR-0305 rev 1 Cat: F (Rel-18)  
  
 Source: Ericsson India Private Limited*

(Replaces S5-237957)

**Decision:** The document was **agreed**.

**S5-237958 Rel-17 CR 28.623 YANG Correction of attribute type TaiGrp**

*Type: CR For: Approval  
 28.541 v17.7.0 CR-1130 Cat: F (Rel-18)  
  
 Source: Ericsson India Private Limited*

**Abstract:**

Rel-18 TS 28.541 YANG Correction of coverageArea attribute Type

**Decision:** The document was **revised to S5-238325**.

**S5-238325 Rel-17 CR 28.541 YANG Correction of attribute type TaiGrp**

*Type: CR For: Approval  
 28.541 v17.12.0 CR-1130 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson India Private Limited*

(Replaces S5-237958)

**Decision:** The document was **agreed**.

#### 6.3.10 MEC management

**S5-237595 remove duplicated clause for ECS measurement**

*Type: CR For: Agreement  
 28.552 v17.11.0 CR-0491 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-237596 Remove duplicated clause for ECS meansurement**

*Type: CR For: Agreement  
 28.552 v18.4.0 CR-0492 Cat: A (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

#### 6.3.11 General NRM

**S5-237363 TS28.541 Rel18 correction to NSSF interface between NWDAF and NSSF**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1061 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237364 TS28.541 Rel17 correction to NSSF interface between NWDAF and NSSF**

*Type: CR For: Approval  
 28.541 v17.12.0 CR-1062 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237365 TS28.541 Rel16 correction to NSSF interface between NWDAF and NSSF**

*Type: CR For: Approval  
 28.541 v16.17.0 CR-1063 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237366 TS28.541 Rel16 correction to DRACHOptimizationFunction stage 3 issue**

*Type: CR For: Approval  
 28.541 v16.17.0 CR-1064 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237367 TS28.541 Rel17 correction to DRACHOptimizationFunction stage 3 issue**

*Type: CR For: Approval  
 28.541 v17.12.0 CR-1065 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237368 TS28.541 Rel18 correction to DRACHOptimizationFunction stage 3 issue**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1066 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237369 TS28.541 Rel16 correction to 5GC resourceType allowed values**

*Type: CR For: Approval  
 28.541 v16.17.0 CR-1067 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237370 TS28.541 Rel17 correction to 5GC resourceType allowed values**

*Type: CR For: Approval  
 28.541 v17.12.0 CR-1068 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237371 TS28.541 Rel18 correction to 5GC resourceType allowed values**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1069 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237376 Rel-17 CR 32.160 Clarify YANG revision date handling**

*Type: CR For: Approval  
 32.160 v17.9.0 CR-0047 Cat: F (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

**Abstract:**

Proposed to be handled in block approval.

**Decision:** The document was **agreed**.

**S5-237411 Rel-16 Correct IOC instance creation and deletion**

*Type: CR For: Approval  
 28.622 v16.17.0 CR-0306 Cat: F (Rel-16)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **not pursued**.

**S5-237412 Rel-16 Correct IOC instance creation and deletion (stage3, yang)**

*Type: CR For: Approval  
 28.623 v16.15.0 CR-0282 Cat: F (Rel-16)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **not pursued**.

**S5-237413 Rel-17 Correct IOC instance creation and deletion**

*Type: CR For: Approval  
 28.623 v17.7.0 CR-0283 Cat: A (Rel-17)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **not pursued**.

**S5-237414 Rel-17 Correct IOC instance creation and deletion (stage3, yang)**

*Type: CR For: Approval  
 28.623 v17.7.0 CR-0284 Cat: A (Rel-17)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **not pursued**.

**S5-237415 Rel-18 Correct IOC instance creation and deletion**

*Type: CR For: Approval  
 28.622 v18.4.0 CR-0307 Cat: A (Rel-18)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **not pursued**.

**S5-237416 Rel-18 Correct IOC instance creation and deletion (stage3, yang)**

*Type: CR For: Approval  
 28.623 v18.4.0 CR-0285 Cat: A (Rel-18)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **not pursued**.

**S5-237426 Rel-18 Correct dnai and dnaiList attribute definitions**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1103 Cat: F (Rel-18)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-238305**.

**S5-238305 Rel-18 Correct dnai and dnaiList attribute definitions**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1103 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson Inc.*

(Replaces S5-237426)

**Decision:** The document was **agreed**.

**S5-238306 Rel-17 Correct dnai and dnaiList attribute definitions**

*Type: CR For: Approval  
 28.541 v17.12.0 CR-1137 Cat: F (Rel-17)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **agreed**.

**S5-237441 Rel-17 CR TS28.623 Correct the yaml definition for ThresholdMonitor IOC to align with stage2 definition**

*Type: CR For: Agreement  
 28.623 v17.7.0 CR-0286 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-238310**.

**S5-238310 Rel-17 CR TS28.623 Correct the yaml definition for ThresholdMonitor IOC to align with stage2 definition**

*Type: CR For: Agreement  
 28.623 v17.7.0 CR-0286 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-237441)

**Decision:** The document was **agreed**.

**S5-237442 Rel-18 CR TS28.623 Correct the yaml definition for ThresholdMonitor IOC to align with stage2 definition**

*Type: CR For: Agreement  
 28.623 v18.4.0 CR-0287 Cat: A (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-238311**.

**S5-238311 Rel-18 CR TS28.623 Correct the yaml definition for ThresholdMonitor IOC to align with stage2 definition**

*Type: CR For: Agreement  
 28.623 v18.4.0 CR-0287 rev 1 Cat: A (Rel-18)  
  
 Source: Huawei*

(Replaces S5-237442)

**Decision:** The document was **agreed**.

**S5-237443 Rel-17 CR TS 28.541 Correct the issues for NrNrm YAML file**

*Type: CR For: Agreement  
 28.541 v17.12.0 CR-1104 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-237444 Rel-18 CR TS 28.541 Correct the issues for NrNrm YAML file**

*Type: CR For: Agreement  
 28.541 v18.5.0 CR-1105 Cat: A (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-237498 DP Schema definition Issues SubNetwork and ManagedElement OpenAPI SS**

*Type: discussion For: Endorsement  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238312**.

**S5-238312 DP Schema definition Issues SubNetwork and ManagedElement OpenAPI SS**

*Type: discussion For: Endorsement  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237498)

**Decision:** The document was **endorsed**.

**S5-237530 Rel-18 CR TS 28.623 Solution Sets clarifications**

*Type: CR For: Approval  
 28.623 v18.4.0 CR-0291 Cat: F (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **agreed**.

**S5-237532 Rel-18 CR 32.160 Clarify YANG revision date handling**

*Type: CR For: Approval  
 32.160 v18.3.0 CR-0048 Cat: A (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **agreed**.

**S5-237620 Rel-17 CR TS 28.622 Correcting the definition of mgtDataName attribute**

*Type: CR For: Approval  
 28.622 v17.7.0 CR-0310 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson*

**Decision:** The document was **merged**.

**S5-237621 Rel-18 CR TS 28.622 Correcting the definition of mgtDataName attribute**

*Type: CR For: Approval  
 28.622 v18.4.0 CR-0311 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson*

**Decision:** The document was **merged**.

**S5-237915 Rel-18 CR 28.541 Correct redundant attribute definitions**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1127 Cat: F (Rel-18)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-238321**.

**S5-238321 Rel-18 CR 28.541 Correct redundant attribute definitions**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1127 rev 1 Cat: F (Rel-18)  
  
 Source: Ericsson Inc.*

(Replaces S5-237915)

**Decision:** The document was **agreed**.

**S5-237933 Rel-18 CR TS 28.623 Removal of the Corba and XML Solution Sets**

*Type: CR For: Approval  
 28.623 v18.4.0 CR-0303 Cat: C (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **not pursued**.

**S5-237962 Rel-17 CR 28.623 YANG Corrections (SA5#152)**

*Type: CR For: Approval  
 28.623 v17.7.0 CR-0306 Cat: F (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

**Abstract:**

The CR is candidate for block approval as it only contains YANG corrections to bring it in sync with the existing stage 2.

**Decision:** The document was **agreed**.

**S5-237963 Rel-17 CR 28.541 YANG Corrections (SA5#152)**

*Type: CR For: Approval  
 28.541 v17.12.0 CR-1131 Cat: F (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

**Abstract:**

The CR is candidate for block approval as it only contains YANG corrections to bring it in sync with the existing stage 2.

**Decision:** The document was **agreed**.

**S5-238137 Rel18 28.541 YANG Corrections**

*Type: CR For: Agreement  
 28.541 v18.5.0 CR-1136 Cat: F (Rel-18)  
  
 Source: Ericsson*

**Decision:** The document was **agreed**.

#### 6.3.12 PM/KPI

**S5-237603 Fix error related to number of PDU session creation measurement**

*Type: CR For: Agreement  
 28.552 v16.16.0 CR-0494 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-237604 Fix error related to number of PDU session creation measurement**

*Type: CR For: Agreement  
 28.552 v17.11.0 CR-0495 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-237605 Fix error related to number of PDU session creation measurement**

*Type: CR For: Agreement  
 28.552 v18.4.0 CR-0496 Cat: A (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-237752 Rel-16 CR TS 28.554 Correction Utilization KPI definition of PDU session establishment time of network slice**

*Type: CR For: Approval  
 28.554 v16.14.0 CR-0156 Cat: F (Rel-16)  
  
 Source: China Mobile, Ericsson*

**Decision:** The document was **agreed**.

**S5-237754 Rel-17 CR TS 28.554 Correction Utilization KPI definition of PDU session establishment time of network slice**

*Type: CR For: Approval  
 28.554 v17.11.0 CR-0157 Cat: A (Rel-17)  
  
 Source: China Mobile, Ericsson*

**Decision:** The document was **agreed**.

**S5-237755 Rel-17 CR TS 28.554 Correction Utilization KPI definition of PDU session establishment time of network slice**

*Type: CR For: Approval  
 28.554 v17.11.0 CR-0158 Cat: A (Rel-17)  
  
 Source: China Mobile E-Commerce Co., Ericsson*

**Decision:** The document was **withdrawn**.

**S5-237804 Rel-18 CR TS 28.554 Correction Utilization KPI definition of PDU session establishment time of network slice**

*Type: CR For: Approval  
 28.554 v18.3.1 CR-0159 Cat: A (Rel-18)  
  
 Source: China Mobile, Ericsson*

**Decision:** The document was **agreed**.

**S5-237898 Rel-17 CR 28.622 Add measurement bin support to NRM**

*Type: CR For: Approval  
 28.622 v17.7.0 CR-0317 Cat: F (Rel-17)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-238314**.

**S5-238314 Rel-17 CR 28.622 Add measurement bin support to NRM**

*Type: CR For: Approval  
 28.622 v17.7.0 CR-0317 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson Inc.,Nokia*

(Replaces S5-237898)

**Decision:** The document was **agreed**.

**S5-237899 Rel-18 CR 28.622 Add measurement bin support to NRM**

*Type: CR For: Approval  
 28.622 v18.4.0 CR-0318 Cat: A (Rel-18)  
  
 Source: Ericsson Inc.,Nokia*

**Decision:** The document was **revised to S5-238315**.

**S5-238315 Rel-18 CR 28.622 Add measurement bin support to NRM**

*Type: CR For: Approval  
 28.622 v18.4.0 CR-0318 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson Inc.,Nokia*

(Replaces S5-237899)

**Decision:** The document was **agreed**.

**S5-237900 Rel-17 CR 28.623 Add measurement bin support to NRM (stage3, yang)**

*Type: CR For: Approval  
 28.623 v17.7.0 CR-0298 Cat: F (Rel-17)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-238316**.

**S5-238316 Rel-17 CR 28.623 Add measurement bin support to NRM (stage3, yang)**

*Type: CR For: Approval  
 28.623 v17.7.0 CR-0298 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson Inc.*

(Replaces S5-237900)

**Decision:** The document was **agreed**.

**S5-237901 Rel-18 CR 28.623 Add measurement bin support to NRM (stage3, yang)**

*Type: CR For: Approval  
 28.623 v18.4.0 CR-0299 Cat: A (Rel-18)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-238317**.

**S5-238317 Rel-18 CR 28.623 Add measurement bin support to NRM (stage3, yang)**

*Type: CR For: Approval  
 28.623 v18.4.0 CR-0299 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson Inc.*

(Replaces S5-237901)

**Decision:** The document was **agreed**.

#### 6.3.13 Trace/MDT

**S5-237539 Rel-16 CR TS32.421 Align N38 in SMF requirement with TS23.501**

*Type: CR For: Agreement  
 32.421 v16.3.0 CR-0108 Cat: F (Rel-16)  
  
 Source: Ericsson Ltd*

**Decision:** The document was **agreed**.

**S5-237540 Rel-17 CR TS32.421 Align N38 in SMF with TS23.501**

*Type: CR For: Agreement  
 32.421 v17.4.0 CR-0109 Cat: A (Rel-17)  
  
 Source: Ericsson Ltd*

**Decision:** The document was **agreed**.

**S5-237541 Rel-18 CR TS32.421 Align N38 in SMF with TS23.501**

*Type: CR For: Agreement  
 32.421 v18.0.0 CR-0110 Cat: A (Rel-18)  
  
 Source: Ericsson Ltd*

**Decision:** The document was **agreed**.

**S5-237543 Rel-16 CR TS32.422 Align N38 in SMF requirement with TS23.501**

*Type: CR For: Agreement  
 32.422 v16.12.0 CR-0415 Cat: F (Rel-16)  
  
 Source: Ericsson Ltd*

**Decision:** The document was **revised to S5-238318**.

**S5-238318 Rel-16 CR TS32.422 Align N38 in SMF requirement with TS23.501**

*Type: CR For: Agreement  
 32.422 v16.12.0 CR-0415 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson Ltd*

(Replaces S5-237543)

**Decision:** The document was **agreed**.

**S5-237545 Rel-17 CR TS32.422 Align N38 in SMF requirement with TS23.501**

*Type: CR For: Agreement  
 32.422 v17.10.0 CR-0416 Cat: A (Rel-17)  
  
 Source: Ericsson Ltd*

**Decision:** The document was **revised to S5-238319**.

**S5-238319 Rel-17 CR TS32.422 Align N38 in SMF requirement with TS23.501**

*Type: CR For: Agreement  
 32.422 v17.10.0 CR-0416 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson Ltd*

(Replaces S5-237545)

**Decision:** The document was **agreed**.

**S5-237547 Rel-18 CR TS32.422 Align N38 in SMF requirement with TS23.501**

*Type: CR For: Agreement  
 32.422 v18.0.0 CR-0417 Cat: A (Rel-18)  
  
 Source: Ericsson Ltd*

**Decision:** The document was **revised to S5-238320**.

**S5-238320 Rel-18 CR TS32.422 Align N38 in SMF requirement with TS23.501**

*Type: CR For: Agreement  
 32.422 v18.0.0 CR-0417 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson Ltd*

(Replaces S5-237547)

**Decision:** The document was **agreed**.

**S5-237549 Rel-16 CR TS32.423 Align N38 in SMF requirement with TS23.501**

*Type: CR For: Agreement  
 32.423 v16.9.0 CR-0153 Cat: F (Rel-16)  
  
 Source: Ericsson Ltd*

**Decision:** The document was **agreed**.

**S5-237551 Rel-17 CR TS32.423 Align N38 in SMF requirement with TS23.501**

*Type: CR For: Agreement  
 32.423 v17.7.0 CR-0154 Cat: A (Rel-17)  
  
 Source: Ericsson Ltd*

**Decision:** The document was **agreed**.

**S5-237553 Rel-18 CR TS32.423 Align N38 in SMF requirement with TS23.501**

*Type: CR For: Agreement  
 32.423 v18.0.0 CR-0155 Cat: A (Rel-18)  
  
 Source: Ericsson Ltd*

**Decision:** The document was **agreed**.

**S5-237557 Rel-16 CR TS 28.623 Align N38 in SMF with TS23.501**

*Type: CR For: Agreement  
 28.623 v16.15.0 CR-0292 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-237919**.

**S5-237558 Rel-17 CR TS28.623 Align N38 in SMF with TS23.501**

*Type: CR For: Agreement  
 28.623 v17.7.0 CR-0293 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-237912**.

**S5-237560 Rel-18 CR TS 28.623 Align N38 in SMF with TS23.501**

*Type: CR For: Agreement  
 28.623 v18.4.0 CR-0294 Cat: A (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-237887**.

**S5-237586 Rel-15 CR TS32.421 Missing N16 in SMF requirement**

*Type: CR For: Agreement  
 32.421 v15.3.0 CR-0111 Cat: F (Rel-15)  
  
 Source: Ericsson Ltd*

**Decision:** The document was **agreed**.

**S5-237587 Rel-16 CR TS32.421 Missing N16 in SMF requirement**

*Type: CR For: Agreement  
 32.421 v16.3.0 CR-0112 Cat: A (Rel-16)  
  
 Source: Ericsson Ltd*

**Decision:** The document was **agreed**.

**S5-237589 Rel-17 CR TS32.421 Missing N16 in SMF requirement**

*Type: CR For: Agreement  
 32.421 v17.4.0 CR-0113 Cat: A (Rel-17)  
  
 Source: Ericsson Ltd*

**Decision:** The document was **agreed**.

**S5-237590 Rel-18 CR TS32.421 Missing N16 in SMF requirement**

*Type: CR For: Agreement  
 32.421 v18.0.0 CR-0114 Cat: A (Rel-18)  
  
 Source: Ericsson Ltd*

**Decision:** The document was **agreed**.

**S5-237591 Rel-16 CR TS32.421 Missing N16a in SMF requirement**

*Type: CR For: Agreement  
 32.421 v16.3.0 CR-0115 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Decision:** The document was **agreed**.

**S5-237592 Rel-17 CR TS32.421 Missing N16a in SMF requirement**

*Type: CR For: Agreement  
 32.421 v17.4.0 CR-0116 Cat: A (Rel-17)  
  
 Source: Ericsson Ltd*

**Decision:** The document was **agreed**.

**S5-237609 TS32.421 R18 Missing N16a in SMF requirement**

*Type: CR For: Agreement  
 32.421 v18.0.0 CR-0117 Cat: A (Rel-18)  
  
 Source: Ericsson Ltd*

**Decision:** The document was **agreed**.

**S5-237634 Rel-15 CR TS 32.421 Add the missing requirements for tracing of CHF and NWDAF**

*Type: CR For: Approval  
 32.421 v15.3.0 CR-0118 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shangai Bell*

**Decision:** The document was **not pursued**.

**S5-237635 Rel-16 CR TS 32.421 Add the missing requirements for tracing of CHF and NWDAF**

*Type: CR For: Approval  
 32.421 v16.3.0 CR-0119 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not pursued**.

**S5-237636 Rel-17 CR TS 32.421 Add the missing requirements for tracing of CHF and NWDAF**

*Type: CR For: Approval  
 32.421 v17.4.0 CR-0120 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shangai Bell*

**Decision:** The document was **not pursued**.

**S5-237637 Rel-18 CR TS 32.421 Add the missing requirements for tracing of CHF and NWDAF**

*Type: CR For: Approval  
 32.421 v18.0.0 CR-0121 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shangai Bell*

**Decision:** The document was **not pursued**.

**S5-237638 Rel-15 CR TS 32.423 Add the missing Trace record content for CHF**

*Type: CR For: Approval  
 32.423 v15.3.0 CR-0156 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shangai Bell*

**Decision:** The document was **not pursued**.

**S5-237639 Rel-16 CR TS 32.423 Add the missing Trace record content for CHF**

*Type: CR For: Approval  
 32.423 v16.9.0 CR-0157 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not pursued**.

**S5-237640 Rel-17 CR TS 32.423 Add the missing Trace record content for CHF**

*Type: CR For: Approval  
 32.423 v17.7.0 CR-0158 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shangai Bell*

**Decision:** The document was **not pursued**.

**S5-237641 Rel-18 CR TS 32.423 Add the missing Trace record content for CHF**

*Type: CR For: Approval  
 32.423 v18.0.0 CR-0159 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shangai Bell*

**Decision:** The document was **not pursued**.

**S5-237642 Rel-17 CR TS 32.421 Adding the missing requirements for tracing new NFs**

*Type: CR For: Approval  
 32.421 v17.4.0 CR-0122 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shangai Bell*

**Decision:** The document was **not pursued**.

**S5-237643 Rel-18 CR TS 32.421 Adding the missing requirements for tracing new NFs**

*Type: CR For: Approval  
 32.421 v18.0.0 CR-0123 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not pursued**.

**S5-237887 Rel-18 CR TS 28.623 Align N38 in SMF with TS23.501**

*Type: CR For: Agreement  
 28.623 v18.4.0 CR-0294 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-237560)

**Decision:** The document was **revised to S5-237888**.

**S5-237888 Rel-18 CR TS 28.623 Align N38 in SMF with TS23.501**

*Type: CR For: Agreement  
 28.623 v18.4.0 CR-0294 rev 2 Cat: A (Rel-18)  
  
 Source: Ericsson Ltd*

(Replaces S5-237887)

**Decision:** The document was **revised to S5-238251**.

**S5-238251 Rel-18 CR TS 28.623 Align N38 in SMF with TS23.501**

*Type: CR For: Agreement  
 28.623 v18.4.0 CR-0294 rev 3 Cat: A (Rel-18)  
  
 Source: Ericsson Ltd*

(Replaces S5-237888)

**Decision:** The document was **agreed**.

**S5-237889 Rel-16 CR 32.423 Correct trace administrative message definitions**

*Type: CR For: Agreement  
 32.423 v16.9.0 CR-0160 Cat: F (Rel-16)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-238336**.

**S5-238336 Rel-16 CR 32.423 Correct trace administrative message definitions**

*Type: CR For: Agreement  
 32.423 v16.9.0 CR-0160 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson Inc.*

(Replaces S5-237889)

**Decision:** The document was **agreed**.

**S5-237890 Rel-17 CR 32.423 Correct trace administrative message definitions**

*Type: CR For: Approval  
 32.423 v17.7.0 CR-0161 Cat: A (Rel-17)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-238337**.

**S5-238337 Rel-17 CR 32.423 Correct trace administrative message definitions**

*Type: CR For: Approval  
 32.423 v17.7.0 CR-0161 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson Inc.*

(Replaces S5-237890)

**Decision:** The document was **agreed**.

**S5-237891 Rel-18 CR 32.423 Correct trace administrative message definitions**

*Type: CR For: Approval  
 32.423 v18.0.0 CR-0162 Cat: A (Rel-18)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-238338**.

**S5-238338 Rel-18 CR 32.423 Correct trace administrative message definitions**

*Type: CR For: Approval  
 32.423 v18.0.0 CR-0162 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson Inc.*

(Replaces S5-237891)

**Decision:** The document was **agreed**.

**S5-237912 Rel-17 CR TS28.623 Align N38 in SMF with TS23.501**

*Type: CR For: Agreement  
 28.623 v17.7.0 CR-0293 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-237558)

**Decision:** The document was **revised to S5-238250**.

**S5-238250 Rel-17 CR TS28.623 Align N38 in SMF with TS23.501**

*Type: CR For: Agreement  
 28.623 v17.7.0 CR-0293 rev 2 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-237912)

**Decision:** The document was **agreed**.

**S5-237919 Rel-16 CR TS 28.623 Align N38 in SMF with TS23.501**

*Type: CR For: Agreement  
 28.623 v16.15.0 CR-0292 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson Ltd*

(Replaces S5-237557)

**Decision:** The document was **revised to S5-238249**.

**S5-238249 Rel-16 CR TS 28.623 Align N38 in SMF with TS23.501**

*Type: CR For: Agreement  
 28.623 v16.15.0 CR-0292 rev 2 Cat: F (Rel-16)  
  
 Source: Ericsson Ltd*

(Replaces S5-237919)

**Decision:** The document was **agreed**.

**S5-237920 Rel-16 CR TS28.623 Adding N16 and N16a into module\_3gpp-common-trace.yang**

*Type: CR For: Agreement  
 28.623 v16.15.0 CR-0300 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Decision:** The document was **agreed**.

**S5-237922 Rel-17 CR TS28.623 Adding N16 and N16a into module\_3gpp-common-trace.yang**

*Type: CR For: Agreement  
 28.623 v17.7.0 CR-0301 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **agreed**.

**S5-237925 Rel-18 CR TS28.623 Adding N16 and N16a into module\_3gpp-common-trace.yang**

*Type: CR For: Agreement  
 28.623 v18.4.0 CR-0302 Cat: A (Rel-18)  
  
 Source: Ericsson Ltd*

**Decision:** The document was **agreed**.

#### 6.3.14 Other

**S5-237417 Rel-16 CR 28.532 Clarify MnS capability definitions**

*Type: CR For: Approval  
 28.532 v16.16.0 CR-0275 rev 2 Cat: F (Rel-16)  
  
 Source: Ericsson Inc.*

(Replaces S5-236550)

**Decision:** The document was **revised to S5-238322**.

**S5-238322 Rel-16 CR 28.532 Clarify MnS capability definitions**

*Type: CR For: Approval  
 28.532 v16.16.0 CR-0275 rev 3 Cat: F (Rel-16)  
  
 Source: Ericsson Inc.*

(Replaces S5-237417)

**Decision:** The document was **agreed**.

**S5-237418 Rel-17 CR 28.532 Clarify MnS capability definitions**

*Type: CR For: Approval  
 28.532 v17.6.0 CR-0286 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson Inc.*

(Replaces S5-236551)

**Decision:** The document was **revised to S5-238323**.

**S5-238323 Rel-17 CR 28.532 Clarify MnS capability definitions**

*Type: CR For: Approval  
 28.532 v17.6.0 CR-0286 rev 2 Cat: A (Rel-17)  
  
 Source: Ericsson Inc.*

(Replaces S5-237418)

**Decision:** The document was **agreed**.

**S5-237419 Rel-18 CR 28.532 Clarify MnS capability definitions**

*Type: CR For: Approval  
 28.532 v18.0.0 CR-0297 Cat: A (Rel-18)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-238324**.

**S5-238324 Rel-18 CR 28.532 Clarify MnS capability definitions**

*Type: CR For: Approval  
 28.532 v18.0.0 CR-0297 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson Inc.*

(Replaces S5-237419)

**Decision:** The document was **agreed**.

**S5-237420 Rel-16 CR 28.622 Clarify HeartbeatControl IOC definition**

*Type: CR For: Approval  
 28.622 v16.17.0 CR-0294 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson Inc.*

(Replaces S5-236534)

**Decision:** The document was **not pursued**.

**S5-237421 Rel-17 CR 28.622 Clarify HeartbeatControl IOC definition**

*Type: CR For: Approval  
 28.622 v17.7.0 CR-0295 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson Inc.*

(Replaces S5-236535)

**Decision:** The document was **not pursued**.

**S5-237422 Rel-18 CR 28.622 Clarify HeartbeatControl IOC definition**

*Type: CR For: Approval  
 28.622 v18.4.0 CR-0296 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson Inc.*

(Replaces S5-236536)

**Decision:** The document was **not pursued**.

**S5-237423 Rel-16 CR 28.623 Clarify HeartbeatControl IOC definition (stage3, yang)**

*Type: CR For: Approval  
 28.623 v16.15.0 CR-0280 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson Inc.*

(Replaces S5-236532)

**Decision:** The document was **not pursued**.

**S5-237424 Rel-17 CR 28.623 Clarify HeartBeatControl IOC definition (stage3, yang)**

*Type: CR For: Approval  
 28.623 v17.7.0 CR-0279 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson Inc.*

(Replaces S5-236531)

**Decision:** The document was **not pursued**.

**S5-237425 Rel-18 CR 28.623 Clarify HeartbeatControl IOC definition (stage3, yang)**

*Type: CR For: Approval  
 28.623 v18.4.0 CR-0281 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson Inc.*

(Replaces S5-236533)

**Decision:** The document was **not pursued**.

**S5-237436 Rel-17 CR 28.532 Clarify streaming data reporting service definitions**

*Type: CR For: Agreement  
 28.532 v17.6.0 CR-0298 Cat: F (Rel-17)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **agreed**.

**S5-237510 Rel-15 CR 28.526 Fix incorrect operations and parameters**

*Type: CR For: Agreement  
 28.526 v15.1.0 CR-0019 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **not pursued**.

**S5-237511 Rel-16 CR 28.526 Fix incorrect operations and parameters**

*Type: CR For: Agreement  
 28.526 v16.0.0 CR-0020 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not pursued**.

**S5-237512 Rel-17 CR 28.526 Fix incorrect operations and parameters**

*Type: CR For: Agreement  
 28.526 v17.1.0 CR-0021 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **not pursued**.

**S5-237513 Rel-15 CR 28.526 Fix incorrect version of ETSI GS NFV IFA013**

*Type: CR For: Agreement  
 28.526 v15.1.0 CR-0022 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **not pursued**.

**S5-237514 Rel-15 CR 28.526 Fix incorrect version of ETSI GS NFV IFA013**

*Type: CR For: Agreement  
 28.526 v16.0.0 CR-0023 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not pursued**.

**S5-237515 Rel-17 CR 28.526 Fix incorrect version of ETSI GS NFV IFA013**

*Type: CR For: Agreement  
 28.526 v17.1.0 CR-0024 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **not pursued**.

**S5-237516 Rel-15 CR 28.526 Remove unsupported operations**

*Type: CR For: Agreement  
 28.526 v15.1.0 CR-0025 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **not pursued**.

**S5-237517 Rel-16 CR 28.526 Remove unsupported operations**

*Type: CR For: Agreement  
 28.526 v16.0.0 CR-0026 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **not pursued**.

**S5-237518 Rel-17 CR 28.526 Remove unsupported operations**

*Type: CR For: Agreement  
 28.526 v17.1.0 CR-0027 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **not pursued**.

**S5-237796 Rel-17 CR 28.622 h70 NodeFilter**

*Type: CR For: Agreement  
 28.622 v17.7.0 CR-0315 Cat: F (Rel-17)  
  
 Source: Nokia*

**Decision:** The document was **not pursued**.

**S5-238328 Rel-17 CR 28.622 h70 NodeFilter**

*Type: CR For: Agreement  
 28.622 v17.7.0 CR-0315 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia*

**Decision:** The document was **withdrawn**.

**S5-237797 Rel-18 CR 28.622 i40 NodeFilter**

*Type: CR For: Agreement  
 28.622 v18.4.0 CR-0316 Cat: A (Rel-18)  
  
 Source: Nokia*

**Decision:** The document was **not pursued**.

**S5-238329 Rel-18 CR 28.622 i40 NodeFilter**

*Type: CR For: Agreement  
 28.622 v18.4.0 CR-0316 rev 1 Cat: A (Rel-18)  
  
 Source: Nokia*

**Decision:** The document was **withdrawn**.

**S5-237895 Correction of attribute properties**

*Type: CR For: Agreement  
 28.536 v17.6.0 CR-0062 Cat: F (Rel-17)  
  
 Source: Ericsson*

**Decision:** The document was **withdrawn**.

**S5-237896 Rel-18 CR 28.532 Clarify streaming data reporting service definitions**

*Type: CR For: Approval  
 28.532 v18.0.0 CR-0300 Cat: A (Rel-18)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **agreed**.

**S5-237897 Correction of attribute properties**

*Type: CR For: Agreement  
 28.556 v17.0.0 CR-0001 Cat: F (Rel-17)  
  
 Source: Ericsson*

**Decision:** The document was **withdrawn**.

**S5-237902 Correction of attribute properties**

*Type: CR For: Agreement  
 28.541 v15.10.0 CR-1123 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **withdrawn**.

**S5-237905 Correction of attribute properties**

*Type: CR For: Agreement  
 28.541 v16.17.0 CR-1124 Cat: A (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **withdrawn**.

**S5-237908 Correction of attribute properties**

*Type: CR For: Agreement  
 28.541 v17.12.0 CR-1125 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Decision:** The document was **withdrawn**.

**S5-237909 Rel-16 CR 32.158 Clarify mapping of DNs to URIs**

*Type: CR For: Approval  
 32.158 v16.11.0 CR-0118 Cat: F (Rel-16)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **not pursued**.

**S5-237910 Correction of attribute properties**

*Type: CR For: Agreement  
 28.541 v18.5.0 CR-1126 Cat: A (Rel-18)  
  
 Source: Ericsson*

**Decision:** The document was **withdrawn**.

**S5-237911 Rel-17 CR 32.158 Clarify mapping of DNs to URIs**

*Type: CR For: Approval  
 32.158 v17.6.0 CR-0119 Cat: A (Rel-17)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **not pursued**.

**S5-237913 Rel-18 CR 32.158 Clarify mapping of DNs to URIs**

*Type: CR For: Approval  
 32.158 v17.6.0 CR-0120 Cat: A (Rel-18)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **not pursued**.

**S5-237917 Rel-18 CR 32.156 Editorial clean up**

*Type: CR For: Approval  
 32.156 v18.3.0 CR-0089 Cat: F (Rel-18)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-238330**.

**S5-238330 Rel-18 CR 32.156 Editorial clean up**

*Type: CR For: Approval  
 32.156 v18.3.0 CR-0089 rev 1 Cat: D (Rel-18)  
  
 Source: Ericsson Inc.*

(Replaces S5-237917)

**Decision:** The document was **agreed**.

**S5-237937 Rel-17 CR TS 28.632 Correct multiplicities in relations to ManagedFunction**

*Type: CR For: Approval  
 28.632 v17.0.0 CR-0006 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238332**.

**S5-238332 Rel-17 CR TS 28.632 Correct multiplicities in relations to ManagedFunction**

*Type: CR For: Approval  
 28.632 v17.0.0 CR-0006 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237937)

**Decision:** The document was **agreed**.

**S5-237959 Rel-16 CR TS 28.632 Correct multiplicities in relations to ManagedFunction**

*Type: CR For: Approval  
 28.632 v16.0.0 CR-0007 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238331**.

**S5-238331 Rel-16 CR TS 28.632 Correct multiplicities in relations to ManagedFunction**

*Type: CR For: Approval  
 28.632 v16.0.0 CR-0007 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237959)

**Decision:** The document was **agreed**.

**S5-237960 Rel-16 CR TS28.536 Fix the properties of attributes**

*Type: CR For: Approval  
 28.536 v16.5.0 CR-0063 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not pursued**.

**S5-237961 Rel-17 CR TS28.536 Fix the properties of attributes**

*Type: CR For: Approval  
 28.536 v17.6.0 CR-0064 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

**Decision:** The document was **agreed**.

**S5-237965 Rel-17 CR 28.556 Correction of attribute properties**

*Type: CR For: Agreement  
 28.556 v17.0.0 CR-0002 Cat: F (Rel-17)  
  
 Source: Ericsson-LG Co., LTD*

**Decision:** The document was **revised to S5-238333**.

**S5-238333 Rel-17 CR 28.556 Correction of attribute properties**

*Type: CR For: Agreement  
 28.556 v17.0.0 CR-0002 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson-LG Co., LTD*

(Replaces S5-237965)

**Decision:** The document was **agreed**.

**S5-237966 Rel-17 CR 28.536 Correction of attribute properties**

*Type: CR For: Agreement  
 28.536 v17.6.0 CR-0065 Cat: F (Rel-17)  
  
 Source: Ericsson-LG Co., LTD*

**Decision:** The document was **revised to S5-238189**.

**S5-238189 Rel-17 CR 28.536 Correction of attribute properties**

*Type: CR For: Agreement  
 28.536 v17.6.0 CR-0065 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson-LG Co., LTD*

(Replaces S5-237966)

**Decision:** The document was **agreed**.

**S5-237969 Rel-15 CR 28.541 Correction of attribute properties**

*Type: CR For: Agreement  
 28.541 v15.10.0 CR-1132 Cat: F (Rel-15)  
  
 Source: Ericsson-LG Co., LTD*

**Decision:** The document was **revised to S5-238190**.

**S5-238190 Rel-15 CR 28.541 Correction of attribute properties**

*Type: CR For: Agreement  
 28.541 v15.10.0 CR-1132 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson-LG Co., LTD*

(Replaces S5-237969)

**Decision:** The document was **agreed**.

**S5-237970 Rel-16 CR 28.541 Correction of attribute properties**

*Type: CR For: Agreement  
 28.541 v16.17.0 CR-1133 Cat: A (Rel-16)  
  
 Source: Ericsson-LG Co., LTD*

**Decision:** The document was **revised to S5-238191**.

**S5-238191 Rel-16 CR 28.541 Correction of attribute properties**

*Type: CR For: Agreement  
 28.541 v16.17.0 CR-1133 rev 1 Cat: A (Rel-16)  
  
 Source: Ericsson-LG Co., LTD*

(Replaces S5-237970)

**Decision:** The document was **agreed**.

**S5-237971 Correction of attribute properties**

*Type: CR For: Agreement  
 28.541 v17.12.0 CR-1134 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-238192**.

**S5-238192 Correction of attribute properties**

*Type: CR For: Agreement  
 28.541 v17.12.0 CR-1134 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson*

(Replaces S5-237971)

**Decision:** The document was **agreed**.

**S5-237972 Rel-18 CR 28.541 Correction of attribute properties**

*Type: CR For: Agreement  
 28.541 v18.5.0 CR-1135 Cat: A (Rel-18)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-238193**.

**S5-238193 Rel-18 CR 28.541 Correction of attribute properties**

*Type: CR For: Agreement  
 28.541 v18.5.0 CR-1135 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson*

(Replaces S5-237972)

**Decision:** The document was **agreed**.

### 6.4 OAM&P Rel-18 Work Items - Intelligence and Automation

#### 6.4.1 Self-Configuration of RAN NEs

##### 6.4.1.1 RANSC\_WoP#1

**S5-237465 pCR TS 28.317 Update use case for self-configuration management**

*Type: pCR For: Approval  
 28.317 v0.6.0  
 Source: China Mobile, Huawei*

**Decision:** The document was **approved**.

**S5-237469 Presentation of TS 28.317 to SA for information**

*Type: TS or TR cover For: Approval  
 28.317 v0.6.0  
 Source: China Mobile, Huawei*

**Decision:** The document was **revised to S5-238229**.

**S5-238229 Presentation of TS 28.317 to SA for information**

*Type: TS or TR cover For: Approval  
 28.317 v0.6.0  
 Source: China Mobile, Huawei*

(Replaces S5-237469)

**Decision:** The document was **approved**.

**S5-238230 Draft TS 28.317**

*Type: draft TS For: Approval  
 28.317 v0.7.0  
 Source: Huawei*

**Decision:** The document was **approved**.

##### 6.4.1.2 RANSC\_WoP#2

##### 6.4.1.3 RANSC\_WoP#3

**S5-237445 pCR TS 28.317 Add stage3 definition for MnS component type B**

*Type: pCR For: Approval  
 28.317 v0.6.0  
 Source: Huawei,China Mobile*

**Decision:** The document was **approved**.

**S5-237446 Rel-18 CR TS 28.532 Add resources-RanScNrm as Resource for provisioning MnS**

*Type: CR For: Agreement  
 28.532 v18.0.0 CR-0299 Cat: B (Rel-18)  
  
 Source: Huawei,China Mobile*

**Decision:** The document was **agreed**.

**S5-237466 pCR TS 28.317 Update attribute definition of self-configuration management (type B)**

*Type: pCR For: Approval  
 28.317 v0.6.0  
 Source: China Mobile, Huawei*

**Decision:** The document was **approved**.

**S5-237467 pCR TS 28.317 Add stage3 definition for MnS component type A**

*Type: pCR For: Approval  
 28.317 v0.6.0  
 Source: China Mobile, Huawei*

**Decision:** The document was **revised to S5-238231**.

**S5-238231 pCR TS 28.317 Add stage3 definition for MnS component type A**

*Type: pCR For: Approval  
 28.317 v0.6.0  
 Source: China Mobile, Huawei*

(Replaces S5-237467)

**Decision:** The document was **noted**.

##### 6.4.1.4 Draft TS email approval

#### 6.4.2 Management Data Analytics phase 2

**S5-238128 Tuesday Q0 Breakout on 6.4.2 eMDAS**

*Type: report For: Information  
 Source: Intel*

**Decision:** The document was **noted**.

**S5-238359 Draft CR eMDAS\_Ph2 – TS28.104 Further enhancements into the Management Data Analytics (Phase 2)**

*Type: draftCR For: Approval  
 28.104 v18.1.0  
 Source: NEC*

**Decision:** The document was **approved**.

##### 6.4.2.1 eMDAS\_Ph2\_WoP#1

##### 6.4.2.2 eMDAS\_Ph2\_WoP#2

**S5-237628 Rel-18 Input to draft CR TS 28.104 Predictions of maintenance management related PMs**

*Type: draftCR For: Approval  
 28.104 v18.1.0  
 Source: Nokia, Nokia Shangai Bell*

**Decision:** The document was **revised to S5-238110**.

**S5-238110 Rel-18 Input to draft CR TS 28.104 Predictions of maintenance management related PMs**

*Type: draftCR For: Approval  
 28.104 v18.1.0  
 Source: Nokia, Nokia Shangai Bell*

(Replaces S5-237628)

**Decision:** The document was **approved**.

**S5-237689 Rel-18 InputToDraftCR TS 28.104 Add general description for NF resource related analytics and Predictions of Management data**

*Type: draftCR For: Approval  
 28.104 v18.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-238308**.

**S5-238308 Rel-18 InputToDraftCR TS 28.104 Add general description for NF resource related analytics and Predictions of Management data**

*Type: draftCR For: Approval  
 28.104 v18.1.0  
 Source: Huawei*

(Replaces S5-237689)

**Decision:** The document was **approved**.

**S5-237690 Rel-18 InputToDraftCR TS 28.104 corrections for resource related analysis**

*Type: draftCR For: Approval  
 28.104 v18.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-238138**.

**S5-238138 Rel-18 InputToDraftCR TS 28.104 corrections for resource related analysis**

*Type: draftCR For: Approval  
 28.104 v18.1.0  
 Source: Huawei*

(Replaces S5-237690)

**Decision:** The document was **approved**.

##### 6.4.2.3 eMDAS\_Ph2\_WoP#3

##### 6.4.2.4 eMDAS\_Ph2\_WoP#4

##### 6.4.2.5 eMDAS\_Ph2\_WoP#5

##### 6.4.2.6 eMDAS\_Ph2\_WoP#6

##### 6.4.2.7 eMDAS\_Ph2\_WoP#7

**S5-237600 Rel-18 draftCR 28.104 Add solution for MDA assisted control plane congestion analysis**

*Type: draftCR For: Approval  
 28.104 v18.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-238139**.

**S5-238139 Rel-18 draftCR 28.104 Add solution for MDA assisted control plane congestion analysis**

*Type: draftCR For: Approval  
 28.104 v18.1.0  
 Source: Huawei*

(Replaces S5-237600)

**Decision:** The document was **approved**.

**S5-237601 Update connection data volumes meansurement**

*Type: CR For: Agreement  
 28.552 v18.4.0 CR-0493 Cat: B (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

#### 6.4.3 AI/ML management

**S5-238360 Draft CR AIML\_MGMT - TS 28.105; Enchantements for AI-ML management**

*Type: draftCR For: Approval  
 28.105 v17.5.0  
 Source: NEC*

**Decision:** The document was **approved**.

##### 6.4.3.1 AIML\_MGT\_WoP#1

**S5-237482 Rel-18 Input to draft CR TS 28.105 ML Triggering AIML Inference**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238115**.

**S5-238115 Rel-18 Input to draft CR TS 28.105 ML Triggering AIML Inference**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237482)

**Decision:** The document was **noted**.

**S5-237483 Rel-18 Input to draft CR TS 28.105 AIML Inference Outcomes**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238116**.

**S5-238116 Rel-18 Input to draft CR TS 28.105 AIML Inference Outcomes**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237483)

**Decision:** The document was **noted**.

**S5-237484 Rel-18 Input to draft CR TS 28.105 Configuration of Energy Saving Functions**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238113**.

**S5-238113 Rel-18 Input to draft CR TS 28.105 Configuration of Energy Saving Functions**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237484)

**Decision:** The document was **noted**.

**S5-237485 Rel-18 Input to draft CR TS 28.105 Configuration of Load balancing Functions**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238170**.

**S5-238170 Rel-18 Input to draft CR TS 28.105 Configuration of Load balancing Functions**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237485)

**Decision:** The document was **noted**.

**S5-237486 Rel-18 Input to draft CR TS 28.105 Configuration of Mobility Optimization Functions**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**S5-238171 Rel-18 Input to draft CR TS 28.105 Configuration of Mobility Optimization Functions**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **withdrawn**.

**S5-237487 Rel-18 Input to draft CR TS 28.105 Information on Learned capabilities**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**S5-237488 Rel-18 Input to draft CR TS 28.105 ML Inference emulation Requirements**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell, NTT DOCOMO, NEC*

**Decision:** The document was **revised to S5-238132**.

**S5-238132 Rel-18 Input to draft CR TS 28.105 ML Inference emulation Requirements**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell, NTT DOCOMO, NEC*

(Replaces S5-237488)

**Decision:** The document was **approved**.

**S5-237489 Rel-18 Input to draft CR TS 28.105 Information on executed AIML Actions**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238121**.

**S5-238121 Rel-18 Input to draft CR TS 28.105 Information on executed AIML Actions**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237489)

**Decision:** The document was **noted**.

**S5-237490 Rel-18 Input to draft CR TS 28.105 NRM attributes on Learned capabilities**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**S5-237491 Rel-18 Input to draft CR TS 28.105 Coordinating ML Inference**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**S5-237492 Rel-18 Input to draft CR TS 28.105 Extend NRM for RAN AIML Inference Functions**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238172**.

**S5-238172 Rel-18 Input to draft CR TS 28.105 Extend NRM for RAN AIML Inference Functions**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237492)

**Decision:** The document was **noted**.

**S5-237493 Rel-18 Input to draft CR TS 28.105 ML Inference emulation NRM**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

**S5-237499 Rel-18 Input to draft CR TS 28.105 Use case and requirements for ML Inference activation**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell, NTT DOCOMO, Intel*

**Decision:** The document was **revised to S5-238111**.

**S5-238111 Rel-18 Input to draft CR TS 28.105 Use case and requirements for ML Inference activation**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell, NTT DOCOMO, Intel*

(Replaces S5-237499)

**Decision:** The document was **approved**.

**S5-237500 Rel-18 Input to draft CR TS 28.105 ML inference policy-based activation**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **merged**.

**S5-237501 Rel-18 Input to draft CR TS 28.105 NRM for AIML activation policies**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238112**.

**S5-238112 Rel-18 Input to draft CR TS 28.105 NRM for AIML activation policies**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237501)

**Decision:** The document was **approved**.

**S5-237520 Rel-18 Input to draft CR TS 28.105 ML entity versions and artefacts**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia Belgium*

**Decision:** The document was **revised to S5-238131**.

**S5-238131 Rel-18 Input to draft CR TS 28.105 ML entity versions and artefacts**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia Belgium*

(Replaces S5-237520)

**Decision:** The document was **noted**.

**S5-237536 Rel 18 Input to DraftCR TS 28.105 AIML Inference History NRM**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238117**.

**S5-238117 Rel 18 Input to DraftCR TS 28.105 AIML Inference History NRM**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237536)

**Decision:** The document was **noted**.

**S5-237537 Rel 18 Input to DraftCR 28.105 Add ML performance metrics**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**S5-237544 Input to DraftCR 28.105 Correction of ML update related IOCs**

*Type: other For: Agreement  
 28.105 v..  
 Source: Intel, NEC*

**Abstract:**

Resubmission of S5-236544

**Decision:** The document was **revised to S5-238341**.

**S5-238341 Input to DraftCR 28.105 Correction of ML update related IOCs**

*Type: other For: Agreement  
 28.105 v..  
 Source: Intel, NEC*

(Replaces S5-237544)

**Decision:** The document was **approved**.

**S5-237546 Add NRM for AnLF**

*Type: CR For: Agreement  
 28.541 v18.5.0 CR-1106 Cat: B (Rel-18)  
  
 Source: Intel*

**Abstract:**

Resubmission of S5-236544

**Decision:** The document was **revised to S5-238340**.

**S5-238340 Add NRM for AnLF**

*Type: CR For: Agreement  
 28.541 v18.5.0 CR-1106 rev 1 Cat: B (Rel-18)  
  
 Source: Intel*

(Replaces S5-237546)

**Decision:** The document was **agreed**.

**S5-237548 Input to DraftCR 28.105 Update NRMs for AI-ML inference function**

*Type: other For: Agreement  
 28.105 v..  
 Source: Intel, NEC*

**Abstract:**

Resubmission of S5-236544

**Decision:** The document was **revised to S5-238334**.

**S5-238334 Input to DraftCR 28.105 Update NRMs for AI-ML inference function**

*Type: other For: Agreement  
 28.105 v..  
 Source: Intel, NEC*

(Replaces S5-237548)

**Decision:** The document was **revised to S5-238350**.

**S5-238350 Input to DraftCR 28.105 Update NRMs for AI-ML inference function**

*Type: other For: Agreement  
 28.105 v..  
 Source: Intel, NEC, Ericsson, Huawei*

(Replaces S5-238334)

**Decision:** The document was **approved**.

**S5-237550 Input to DraftCR 28.105 Add NRMs for actions executed according to the inference report**

*Type: other For: Agreement  
 28.105 v..  
 Source: Intel, NEC*

**Abstract:**

Resubmission of S5-236544

**Decision:** The document was **revised to S5-238122**.

**S5-238122 Input to DraftCR 28.105 Add NRMs for actions executed according to the inference report**

*Type: other For: Agreement  
 28.105 v..  
 Source: Intel, NEC*

(Replaces S5-237550)

**Decision:** The document was **noted**.

**S5-237588 Rel-18 Input to draft CR TS 28.105 ML inference NRM clarifications**

*Type: draftCR For: Agreement  
 28.105 v18.1.0  
 Source: NEC, Intel*

**Decision:** The document was **merged**.

**S5-237611 Input to draft CR TS28.105: Corrections voiding existing clause 6.2 and introducing new clause**

*Type: draftCR For: Agreement  
 28.105 v18.1.0  
 Source: NEC, Intel*

**Decision:** The document was **approved**.

**S5-237632 Rel-18 Input to draft CR TS 28.105 Description, Use case and requirements for Context of ML Entities**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shangai Bell*

**Decision:** The document was **revised to S5-238126**.

**S5-238126 Rel-18 Input to draft CR TS 28.105 Description, Use case and requirements for Context of ML Entities**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shangai Bell*

(Replaces S5-237632)

**Decision:** The document was **noted**.

**S5-237679 Rel-18 Input to DraftCR TS 28.105 Correction of ML Inference NRM**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Ericsson India Private Limited*

**Abstract:**

Input to DraftCR 28.105 Correction of ML Inference NRM

**Decision:** The document was **merged**.

**S5-237691 Rel-18 InputToDraftCR TS 28.105 corrections for ML performance indicator selection**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Huawei*

**Decision:** The document was **approved**.

**S5-237692 Rel-18 InputToDraftCR TS 28.105 corrections of inheritance hierarchy for intelligence functions**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Huawei*

**Decision:** The document was **merged**.

**S5-237693 Rel-18 InputToDraftCR TS 28.105 corrections for ML entity loading**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-238177**.

**S5-238177 Rel-18 InputToDraftCR TS 28.105 corrections for ML entity loading**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Huawei*

(Replaces S5-237693)

**Decision:** The document was **noted**.

**S5-237720 Input to Rel-18 DraftCR TS28.105 Add use case and requirements for training data effectiveness reporting and analytics**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **withdrawn**.

**S5-237740 Input to Rel-18 DraftCR TS28.105 Add use case and requirements for training data effectiveness reporting and analytics**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: China Mobile E-Commerce Co.,Nokia*

**Decision:** The document was **revised to S5-238273**.

**S5-238273 Input to Rel-18 DraftCR TS28.105 Add use case and requirements for training data effectiveness reporting and analytics**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: China Mobile E-Commerce Co.,Nokia*

(Replaces S5-237740)

**Decision:** The document was **approved**.

**S5-237747 Input to Rel-18 DraftCR TS28.105 Add use case and requirements for pre-processed event data for ML training**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: China Mobile E-Commerce Co.,Nokia*

**Decision:** The document was **noted**.

**S5-237832 Input to DraftCR 28.105 Correction of ML Testing NRM**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Ericsson India Private Limited*

**Abstract:**

Input to DraftCR 28.105 Correction of ML Testing NRM

**Decision:** The document was **noted**.

**S5-237834 Input to DraftCR TS 28.105 Discussion paper on AIML Inference NRM**

*Type: discussion For: Endorsement  
 28.105 v..  
 Source: Ericsson India Private Limited*

**Abstract:**

Discussion paper on AIML Inference NRM

**Decision:** The document was **noted**.

**S5-237921 Rel-18 Input to Draft CR 28.105 add UC for ML Evaluation**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **noted**.

**S5-237923 Rel-18 Input to Draft CR 28.105 add UC for ML Knowledge Transfer Learning**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **not treated**.

**S5-237924 Rel-18 Input to Draft CR 28.105 add Description, UC and requirements for ML emulation phase**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **merged**.

**S5-237927 Rel-18 Input to Draft CR 28.105 modification on ML training initiated by producer**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-238123**.

**S5-238123 Rel-18 Input to Draft CR 28.105 modification on ML training initiated by producer**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-237927)

**Decision:** The document was **approved**.

**S5-238114 Minutes of the breakout session**

*Type: report For: discussion  
 Source: Intel*

**Decision:** The document was **noted**.

##### 6.4.3.2 AIML\_MGT\_WoP#2

**S5-237502 Rel18 Input To draftCR TS 28.105 Coordination of the ML capabilities**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Nokia, Nokia Shanghai Bell, TELUS*

**Decision:** The document was **not treated**.

**S5-237694 Rel-18 InputToDraftCR TS 28.105 Add deployment scenarios for AIML related functions**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-238119**.

**S5-238119 Rel-18 InputToDraftCR TS 28.105 Add deployment scenarios for AIML related functions**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Huawei*

(Replaces S5-237694)

**Decision:** The document was **revised to S5-238347**.

**S5-238347 Rel-18 InputToDraftCR TS 28.105 Add deployment scenarios for AIML related functions**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: Huawei, Ericsson, Intel, NEC*

(Replaces S5-238119)

**Decision:** The document was **approved**.

**S5-237926 Rel-18 Input to Draft CR 28.105 modification on description of AIML update control**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-238118**.

**S5-238118 Rel-18 Input to Draft CR 28.105 modification on description of AIML update control**

*Type: draftCR For: Approval  
 28.105 v18.1.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-237926)

**Decision:** The document was **noted**.

#### 6.4.4 Intent driven Management Service for mobile network phase 2

##### 6.4.4.1 IDMS\_MN\_ph2\_WoP#1

**S5-237433 Rel-18 CR TS28.312 Update the stage3 to aign with the latest stage2**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0175 Cat: F (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-238173**.

**S5-238173 Rel-18 CR TS28.312 Update the stage3 to aign with the latest stage2**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0175 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei*

(Replaces S5-237433)

**Decision:** The document was **agreed**.

**S5-237494 Rel18\_CR\_28312 Correct intent Report Model**

*Type: CR For: Approval  
 28.312 v18.1.1 CR-0180 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **merged**.

**S5-237748 Rel-18 CR TS 28.312 Add Common Contexts**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0197 Cat: B (Rel-18)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **not pursued**.

**S5-237819 Rel-18 CR TS 28.312 Revisions to ValueRange**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0198 Cat: F (Rel-18)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-238176**.

**S5-238176 Rel-18 CR TS 28.312 Revisions to ValueRange**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0198 rev 1 Cat: F (Rel-18)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-237819)

**Decision:** The document was **agreed**.

**S5-238228 Agenda and minutes for IDMS\_MN\_ph2 breakout session**

*Type: report For: Information  
 Source: Huawei*

**Decision:** The document was **noted**.

##### 6.4.4.2 IDMS\_MN\_ph2\_WoP#2

**S5-237429 Rel-18 CR TS 28.312 Update RadioNetworkExpectation definition**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0171 Cat: F (Rel-18)  
  
 Source: Huawei, Deutsche Telekom*

**Decision:** The document was **revised to S5-238178**.

**S5-238178 Rel-18 CR TS 28.312 Update RadioNetworkExpectation definition**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0171 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei, Deutsche Telekom*

(Replaces S5-237429)

**Decision:** The document was **agreed**.

**S5-237430 Rel-18 CR TS 28.312 Update Annex D YAML document example to align with the latest intentNRM and intentExpectationNRM YAML definition**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0172 Cat: F (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-237431 Rel-18 CR TS 28.312 Update ValueRangeType to support scenario specific intent expectation**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0173 Cat: F (Rel-18)  
  
 Source: Huawei, Deutsche Telekom*

**Decision:** The document was **revised to S5-238179**.

**S5-238179 Rel-18 CR TS 28.312 Update ValueRangeType to support scenario specific intent expectation**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0173 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei, Deutsche Telekom*

(Replaces S5-237431)

**Decision:** The document was **agreed**.

**S5-237597 Update 5GC expectation**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0184 Cat: B (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-237612 Rel-18 CR TS 28.312 Update the description of requirements for obtaining intent report information in use cases**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0185 Cat: F (Rel-18)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-238180**.

**S5-238180 Rel-18 CR TS 28.312 Update the description of requirements for obtaining intent report information in use cases**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0185 rev 1 Cat: F (Rel-18)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-237612)

**Decision:** The document was **agreed**.

**S5-237711 Correct issues for End-to-end Network Resource Expectation**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0191 Cat: F (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-238181**.

**S5-238181 Correct issues for End-to-end Network Resource Expectation**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0191 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei*

(Replaces S5-237711)

**Decision:** The document was **agreed**.

**S5-237730 Rel-18 CR TS 28.312 Correct Yaml in Annex D**

*Type: CR For: Approval  
 28.312 v18.1.1 CR-0196 Cat: F (Rel-18)  
  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **agreed**.

##### 6.4.4.3 IDMS\_MN\_ph2\_WoP#3

**S5-237432 Rel-18 CR TS 28.312 Correct the stage2 and stage3 definition for intentPriority**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0174 Cat: F (Rel-18)  
  
 Source: Huawei, Deutsche Telekom*

**Decision:** The document was **revised to S5-238182**.

**S5-238182 Rel-18 CR TS 28.312 Correct the stage2 and stage3 definition for intentPriority**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0174 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei, Deutsche Telekom*

(Replaces S5-237432)

**Decision:** The document was **agreed**.

**S5-237437 Rel-18 CR TS 28.312 add recommendedSolutions value in IntentReport**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0176 Cat: B (Rel-18)  
  
 Source: NTT DOCOMO*

**Decision:** The document was **revised to S5-238197**.

**S5-238197 Rel-18 CR TS 28.312 add recommendedSolutions value in IntentReport**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0176 rev 1 Cat: B (Rel-18)  
  
 Source: NTT DOCOMO*

(Replaces S5-237437)

**Decision:** The document was **agreed**.

**S5-237438 Rel-18 CR TS 28.312 add attributes of intent preemption**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0177 Cat: B (Rel-18)  
  
 Source: NTT DOCOMO, China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-238183**.

**S5-238183 Rel-18 CR TS 28.312 add attributes of intent preemption**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0177 rev 1 Cat: B (Rel-18)  
  
 Source: NTT DOCOMO, China Mobile Com. Corporation*

(Replaces S5-237438)

**Decision:** The document was **agreed**.

**S5-237471 Discussion on issues caused by multiple IntentReports per Intent**

*Type: discussion For: Discussion  
 Source: Huawei Technologies Japan K.K.*

**Decision:** The document was **noted**.

**S5-237472 Rel-18 CR 28.312 IntentReport cardinality**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0178 Cat: F (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **not pursued**.

**S5-238187 Rel-18 CR 28.312 IntentReport cardinality**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0178 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **withdrawn**.

**S5-237474 Rel-18 CR 28.312 Missing attribute definitions**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0179 Cat: F (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-238188**.

**S5-238188 Rel-18 CR 28.312 Missing attribute definitions**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0179 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei*

(Replaces S5-237474)

**Decision:** The document was **agreed**.

**S5-237495 Rel18\_CR\_28312 information on a test Intent**

*Type: CR For: Approval  
 28.312 v18.1.1 CR-0181 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not pursued**.

**S5-237496 Rel18\_CR\_28312 Clarify observation period and fulfilment deadline**

*Type: CR For: Approval  
 28.312 v18.1.1 CR-0182 Cat: C (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238226**.

**S5-238226 Rel18\_CR\_28312 Clarify observation period and fulfilment deadline**

*Type: CR For: Approval  
 28.312 v18.1.1 CR-0182 rev 1 Cat: C (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237496)

**Decision:** The document was **agreed**.

**S5-237506 Rel-18 CR 28.312 Intent Conflict Resolution Procedure**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0142 rev 2 Cat: F (Rel-18)  
  
 Source: Huawei, ZTE*

(Replaces S5-237116)

**Decision:** The document was **revised to S5-238184**.

**S5-238184 Rel-18 CR 28.312 Intent Conflict Resolution Procedure**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0142 rev 3 Cat: F (Rel-18)  
  
 Source: Huawei, ZTE*

(Replaces S5-237506)

**Decision:** The document was **agreed**.

**S5-237519 Rel-18 CR 28.312 Errors in attribute definitions**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0183 Cat: F (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-237678 Clarify MnS consumer how handling infeasible results of intent fulfilment feasibility check**

*Type: CR For: Approval  
 28.312 v18.1.1 CR-0153 rev 2 Cat: F (Rel-18)  
  
 Source: ZTE Corporation, China Mobile, Huawei*

(Replaces S5-236951)

**Decision:** The document was **agreed**.

**S5-237680 Rel-18 CR TS 28.312 Update the description about intent handling function**

*Type: CR For: Approval  
 28.312 v18.1.1 CR-0186 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

**Decision:** The document was **agreed**.

**S5-237704 Rel-18 CR 28.312 Conflict Resolution enhancements**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0189 Cat: B (Rel-18)  
  
 Source: Samsung R&D Institute India*

**Decision:** The document was **not pursued**.

**S5-238185 Rel-18 CR 28.312 Conflict Resolution enhancements**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0189 rev 1 Cat: B (Rel-18)  
  
 Source: Samsung R&D Institute India*

**Decision:** The document was **withdrawn**.

**S5-237705 Rel-18 CR TS 28.312 5.3.4.3Adjust the content in clause 5.3.4.3 Resolving Intent-related conflicts**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0190 Cat: F (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-238186**.

**S5-238186 Rel-18 CR TS 28.312 5.3.4.3Adjust the content in clause 5.3.4.3 Resolving Intent-related conflicts**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0190 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei*

(Replaces S5-237705)

**Decision:** The document was **agreed**.

**S5-237820 Rel-18 CR TS 28.312 Update 6.1 and 7.1 to support the operations of unsubscribing intent reporting and querying intent reporting subscriptions**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0199 Cat: B (Rel-18)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-238227**.

**S5-238227 Rel-18 CR TS 28.312 Update 6.1 and 7.1 to support the operations of unsubscribing intent reporting and querying intent reporting subscriptions**

*Type: CR For: Agreement  
 28.312 v18.1.1 CR-0199 rev 1 Cat: B (Rel-18)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-237820)

**Decision:** The document was **agreed**.

##### 6.4.4.4 IDMS\_MN\_ph2\_WoP#4

##### 6.4.4.5 IDMS\_MN\_ph2\_WoP#5

### 6.5 OAM&P Rel-18 Work Items - Management Architecture and Mechanisms

#### 6.5.1 Service based management architecture

**S5-238130 Thursday Q0 Breakout on 6.5.1 Fault Mgmt 28.111**

*Type: report For: Information  
 Source: Ericsson*

**Decision:** The document was **noted**.

##### 6.5.1.1 eSBMA\_WoP#1

**S5-237358 Presentation of Specification to TSG: TS 28.111, Version 1.0.0**

*Type: TS or TR cover For: Approval  
 28.111 v1.0.0  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-238309**.

**S5-238309 Presentation of Specification to TSG: TS 28.111, Version 1.0.0**

*Type: TS or TR cover For: Approval  
 28.111 v1.0.0  
 Source: Ericsson Hungary Ltd*

(Replaces S5-237358)

**Decision:** The document was **approved**.

**S5-237359 Rel-18 pCR 28.111 FM full updates**

*Type: pCR For: Approval  
 28.111 v0.2.0  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-238142**.

**S5-238142 Rel-18 pCR 28.111 FM full updates**

*Type: pCR For: Approval  
 28.111 v0.2.0  
 Source: Ericsson Hungary Ltd*

(Replaces S5-237359)

**Decision:** The document was **approved**.

**S5-237447 Rel-18 CR TS 28.533 Overview of the usage of CRUD operations and NRM fragments in SBMA**

*Type: CR For: Agreement  
 28.533 v17.4.0 CR-0122 Cat: B (Rel-18)  
  
 Source: Huawei, Deutsche Telekom*

**Decision:** The document was **revised to S5-238141**.

**S5-238141 Rel-18 CR TS 28.533 Overview of the usage of CRUD operations and NRM fragments in SBMA**

*Type: CR For: Agreement  
 28.533 v17.4.0 CR-0122 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, Deutsche Telekom*

(Replaces S5-237447)

**Decision:** The document was **agreed**.

**S5-237524 DP Common notification Filtering**

*Type: discussion For: Endorsement  
 28.622 v..  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **noted**.

**S5-237904 Rel-18 CR TS28.532 update the reference for TraceJob in StreamingDataReport MnS**

*Type: CR For: Agreement  
 28.532 v18.0.0 CR-0301 Cat: F (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-237938 Rel-18 CR 28.532 Remove-Update FM related parts**

*Type: CR For: Approval  
 28.532 v18.0.0 CR-0302 Cat: C (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

**Abstract:**

The CR is a candidate for block approval as its content has been agreed in S5-237045. The CR is dependent on TS 28.111.

**Decision:** The document was **not pursued**.

**S5-237940 Rel-18 CR 28.622 Remove-Update FM related parts**

*Type: CR For: Approval  
 28.622 v18.4.0 CR-0319 Cat: C (Rel-18)  
  
 Source: Ericsson Hungary Ltd.*

(Replaces S5-237043)

**Decision:** The document was **not pursued**.

**S5-237942 Rel-18 CR 28.623 Remove-Update FM related parts**

*Type: CR For: Approval  
 28.623 v18.4.0 CR-0304 Cat: C (Rel-18)  
  
 Source: Ericsson Hungary Ltd.*

(Replaces S5-237044)

**Abstract:**

The CR is a candidate for block approval as its content has been agreed in S5-237044. The CR is dependent on TS 28.111.

**Decision:** The document was **not pursued**.

##### 6.5.1.2 eSBMA\_WoP#2

##### 6.5.1.3 eSBMA\_WoP3#

##### 6.5.1.4 eSBMA\_WoP#4

**S5-237973 Introduction of SBMA in 32.300**

*Type: CR For: (not specified)  
 32.300 v17.0.0 CR-0034 Cat: C (Rel-18)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-238143**.

**S5-238143 Introduction of SBMA in 32.300**

*Type: CR For: -  
 32.300 v17.0.0 CR-0034 rev 1 Cat: C (Rel-18)  
  
 Source: Ericsson*

(Replaces S5-237973)

**Decision:** The document was **agreed**.

##### 6.5.1.5 eSBMA\_WoP#5

##### 6.5.1.6 eSBMA\_WoP#6

**S5-237509 Rel-18 Input to DraftCR 28.622 Improvement to description of data scope**

*Type: other For: Approval  
 Source: Huawei*

**Decision:** The document was **approved**.

**S5-237717 Rel-18 Input to DraftCR 28.622 Specify notificationFilter**

*Type: other For: Approval  
 28.622 v..  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-238144**.

**S5-238144 Rel-18 Input to DraftCR 28.622 Specify notificationFilter**

*Type: other For: Approval  
 28.622 v..  
 Source: Ericsson Hungary Ltd*

(Replaces S5-237717)

**Decision:** The document was **noted**.

**S5-237719 Rel-18 pCR 32.161 Update-extend JEX definitions**

*Type: pCR For: Approval  
 32.161 v0.1.0  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-238145**.

**S5-238145 Rel-18 pCR 32.161 Update-extend JEX definitions**

*Type: pCR For: Approval  
 32.161 v0.1.0  
 Source: Ericsson Hungary Ltd*

(Replaces S5-237719)

**Decision:** The document was **noted**.

**S5-237822 Rel-18 pCR 32.161 Improve Jex**

*Type: pCR For: Approval  
 32.161 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **merged**.

##### 6.5.1.7 eSBMA\_WoP#7

##### 6.5.1.8 eSBMA\_WoP#8

**S5-237354 Rel-18 CR TS 28.622 Add capability for advertising NRM properties Stage 2**

*Type: CR For: Approval  
 28.622 v18.4.0 CR-0269 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-235182)

**Decision:** The document was **revised to S5-238146**.

**S5-238146 Rel-18 CR TS 28.622 Add capability for advertising NRM properties Stage 2**

*Type: CR For: Approval  
 28.622 v18.4.0 CR-0269 rev 2 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237354)

**Decision:** The document was **not pursued**.

**S5-237355 Rel-18 CR TS 28.623 Add capability for advertising NRM properties Stage 3**

*Type: CR For: Approval  
 28.623 v18.4.0 CR-0254 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-235183)

**Decision:** The document was **revised to S5-238147**.

**S5-238147 Rel-18 CR TS 28.623 Add capability for advertising NRM properties Stage 3**

*Type: CR For: Approval  
 28.623 v18.4.0 CR-0254 rev 2 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237355)

**Decision:** The document was **not pursued**.

##### 6.5.1.9 Draft TS email approval

**S5-238261 Draft TS 28.111**

*Type: draft TS For: Approval  
 28.111 v0.3.0  
 Source: Ericsson*

**Decision:** The document was **approved**.

#### 6.5.2 Network slicing provisioning rules

##### 6.5.2.1 NSRULE\_WoP#1

**S5-237735 Rel-18 CR TS 28.531 Update use case and allocate for network slice isolation**

*Type: CR For: Approval  
 28.531 v18.3.0 CR-0230 Cat: B (Rel-18)  
  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

**Decision:** The document was **revised to S5-238148**.

**S5-238148 Rel-18 CR TS 28.531 Update use case and allocate for network slice isolation**

*Type: CR For: Approval  
 28.531 v18.3.0 CR-0230 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson, Deutsche Telekom, Nokia, Telefonica, Huawei*

(Replaces S5-237735)

**Decision:** The document was **agreed**.

##### 6.5.2.2 NSRULE\_WoP#2

**S5-237348 Rel-18 CR TS 28.541 Add NRM for network slice isolation**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-0858 rev 8 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, Telefonica*

(Replaces S5-237083)

**Decision:** The document was **revised to S5-238149**.

**S5-238149 Rel-18 CR TS 28.541 Add NRM for network slice isolation**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-0858 rev 9 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, Telefonica, Ericsson, Deutsche Telekom, Huawei*

(Replaces S5-237348)

**Decision:** The document was **agreed**.

**S5-237349 Rel-18 CR TS 28.531 Add and update use case for network slice isolation support**

*Type: CR For: Approval  
 28.531 v18.3.0 CR-0194 rev 4 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237082)

**Decision:** The document was **merged**.

**S5-237736 Rel-18 CR TS 28.541 Network slicing rules solution description**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1119 Cat: B (Rel-18)  
  
 Source: Ericsson, Deutsche Telekom*

**Decision:** The document was **merged**.

**S5-237932 Discussion paper on isolation and sharing**

*Type: discussion For: Endorsement  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **withdrawn**.

#### 6.5.3 Management of Trace/MDT phase 2

##### 6.5.3.1 5GMDT\_Ph2\_WoP#1

**S5-237505 Rel-18 CR TS32.422 Adding NPN Area Scope of MDT**

*Type: CR For: Approval  
 32.422 v18.0.0 CR-0414 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-238150**.

**S5-238150 Rel-18 CR TS32.422 Adding NPN Area Scope of MDT**

*Type: CR For: Approval  
 32.422 v18.0.0 CR-0414 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson LM,Nokia*

(Replaces S5-237505)

**Decision:** The document was **agreed**.

**S5-237507 Rel-18 CR TS28.622 Adding NPN Area Scope of MDT**

*Type: CR For: Approval  
 28.622 v18.4.0 CR-0309 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-238151**.

**S5-238151 Rel-18 CR TS28.622 Adding NPN Area Scope of MDT**

*Type: CR For: Approval  
 28.622 v18.4.0 CR-0309 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson LM,Nokia*

(Replaces S5-237507)

**Decision:** The document was **agreed**.

**S5-237508 Rel-18 CR TS28.623 Adding NPN Area Scope of MDT**

*Type: CR For: Approval  
 28.623 v18.4.0 CR-0290 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-238152**.

**S5-238152 Rel-18 CR TS28.623 Adding NPN Area Scope of MDT**

*Type: CR For: Approval  
 28.623 v18.4.0 CR-0290 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-237508)

**Decision:** The document was **agreed**.

##### 6.5.3.2 5GMDT\_Ph2\_WoP#2

##### 6.5.3.3 5GMDT\_Ph2\_WoP#3

**S5-237625 Rel-18 CR TS 32.422 NPN support for MDT**

*Type: CR For: Approval  
 32.422 v18.0.0 CR-0418 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **merged**.

**S5-237626 Rel-18 CR TS 28.622 MDT support for NPN**

*Type: CR For: Approval  
 28.622 v18.4.0 CR-0312 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shangai Bell*

**Decision:** The document was **merged**.

**S5-237627 Rel-18 CR TS 28.623 MDT support for NPN**

*Type: CR For: Approval  
 28.623 v18.4.0 CR-0295 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shangai Bell*

**Decision:** The document was **revised to S5-238153**.

**S5-238153 Rel-18 CR TS 28.623 MDT support for NPN**

*Type: CR For: Approval  
 28.623 v18.4.0 CR-0295 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shangai Bell*

(Replaces S5-237627)

**Decision:** The document was **agreed**.

**S5-237629 Rel-18 CR TS 32.422 Addressing tracing gaps in signalling based trace activation**

*Type: CR For: Approval  
 32.422 v18.0.0 CR-0419 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shangai Bell*

**Decision:** The document was **revised to S5-238154**.

**S5-238154 Rel-18 CR TS 32.422 Addressing tracing gaps in signalling based trace activation**

*Type: CR For: Approval  
 32.422 v18.0.0 CR-0419 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shangai Bell*

(Replaces S5-237629)

**Decision:** The document was **not pursued**.

**S5-237630 Rel-18 CR TS 28.622 Addressing tracing gaps in signalling based trace activation**

*Type: CR For: Approval  
 28.622 v18.4.0 CR-0313 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not pursued**.

**S5-238155 Rel-18 CR TS 28.622 Addressing tracing gaps in signalling based trace activation**

*Type: CR For: Approval  
 28.622 v18.4.0 CR-0313 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **withdrawn**.

**S5-237631 Rel-18 CR TS 28.623 Addressing tracing gaps in signalling based trace activation**

*Type: CR For: Approval  
 28.623 v18.4.0 CR-0296 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not pursued**.

**S5-238156 Rel-18 CR TS 28.623 Addressing tracing gaps in signalling based trace activation**

*Type: CR For: Approval  
 28.623 v18.4.0 CR-0296 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **withdrawn**.

##### 6.5.3.4 5GMDT\_Ph2\_WoP#4

**S5-237695 Rel-18 CR TS 32.422 add inidcations to support MDT measurements collection in NR-DC**

*Type: CR For: Approval  
 32.422 v18.0.0 CR-0420 Cat: B (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **not pursued**.

**S5-237696 Rel-18 CR TS 28.622 add inidcations to support MDT measurements collection in NR-DC**

*Type: CR For: Approval  
 28.622 v18.4.0 CR-0314 Cat: B (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **not pursued**.

**S5-237697 Rel-18 CR TS 28.623 add inidcations to support MDT measurements collection in NR-DC**

*Type: CR For: Approval  
 28.623 v18.4.0 CR-0297 Cat: B (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **not pursued**.

##### 6.5.3.5 5GMDT\_Ph2\_WoP#5

#### 6.5.4 5G performance measurements and KPIs phase 3

**S5-238161 Minutes of breakout UE level measurements**

*Type: report For: discussion  
 Source: Intel*

**Decision:** The document was **noted**.

##### 6.5.4.1 PM\_KPI\_5G\_Ph3\_WoP#1

**S5-237686 Rel-18 CR TS 28.552 Add new measurement for average value of Timing Advance per SS-RSRP and AOA ranges**

*Type: CR For: Approval  
 28.552 v18.4.0 CR-0501 Cat: B (Rel-18)  
  
 Source: China Unicom*

**Decision:** The document was **revised to S5-238157**.

**S5-238157 Rel-18 CR TS 28.552 Add new measurement for average value of Timing Advance per SS-RSRP and AOA ranges**

*Type: CR For: Approval  
 28.552 v18.4.0 CR-0501 rev 1 Cat: B (Rel-18)  
  
 Source: China Unicom*

(Replaces S5-237686)

**Decision:** The document was **agreed**.

##### 6.5.4.2 PM\_KPI\_5G\_Ph3\_WoP#2

**S5-237672 Rel-18 CR TS 28.552 Add new measurement on Average DL GTP packet delay**

*Type: CR For: Agreement  
 28.552 v18.4.0 CR-0499 Cat: B (Rel-18)  
  
 Source: P.I. WORKS*

**Decision:** The document was **revised to S5-238158**.

**S5-238158 Rel-18 CR TS 28.552 Add new measurement on Average DL GTP packet delay**

*Type: CR For: Agreement  
 28.552 v18.4.0 CR-0499 rev 1 Cat: B (Rel-18)  
  
 Source: P.I. WORKS*

(Replaces S5-237672)

**Decision:** The document was **agreed**.

**S5-237673 Rel-18 CR TS 28.552 Add new measurement on distribution of DL GTP packet delay**

*Type: CR For: Agreement  
 28.552 v18.4.0 CR-0500 Cat: B (Rel-18)  
  
 Source: P.I. WORKS*

**Decision:** The document was **revised to S5-238159**.

**S5-238159 Rel-18 CR TS 28.552 Add new measurement on distribution of DL GTP packet delay**

*Type: CR For: Agreement  
 28.552 v18.4.0 CR-0500 rev 1 Cat: B (Rel-18)  
  
 Source: P.I. WORKS*

(Replaces S5-237673)

**Decision:** The document was **agreed**.

##### 6.5.4.3 PM\_KPI\_5G\_Ph3\_WoP#3

**S5-237624 Rel-18 CR TS 28.550 Include signalling in PM Streaming schema**

*Type: CR For: Approval  
 28.550 v18.2.0 CR-0084 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238160**.

**S5-238160 Rel-18 CR TS 28.550 Include signalling in PM Streaming schema**

*Type: CR For: Approval  
 28.550 v18.2.0 CR-0084 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237624)

**Decision:** The document was **agreed**.

##### 6.5.4.4 PM\_KPI\_5G\_Ph3\_WoP#4

**S5-237552 Initial Skeleton of draft TS 28.abc UE level measurements**

*Type: other For: Agreement  
 Source: Intel*

**Decision:** The document was **approved**.

**S5-237554 pCR Add structure for new draft TS 28.abc UE level measurements**

*Type: other For: Agreement  
 Source: Intel*

**Decision:** The document was **revised to S5-237955**.

**S5-237555 pCR TS 28.abc Add template for UE level measurement definition**

*Type: other For: Agreement  
 Source: Intel*

**Decision:** The document was **revised to S5-238339**.

**S5-238339 pCR TS 28.abc Add template for UE level measurement definition**

*Type: other For: Agreement  
 Source: Intel*

(Replaces S5-237555)

**Decision:** The document was **approved**.

**S5-237556 pCR TS 28.abc Add NRMs for UE measurement job**

*Type: other For: Agreement  
 Source: Intel, Nokia, NEC*

**Decision:** The document was **noted**.

**S5-237559 pCR TS 28.abc Add MnS framework for UE level measurement collection and reporting**

*Type: other For: Agreement  
 Source: Intel, Nokia, NEC*

**Decision:** The document was **noted**.

**S5-237561 pCR TS 28.abc Add MnS service components for UE level measurement collection**

*Type: other For: Agreement  
 Source: Intel, Nokia, NEC*

**Decision:** The document was **noted**.

**S5-237562 pCR TS 28.abc Add Per-UE measurement related to DL packet delay between PSA UPF and UE**

*Type: other For: Agreement  
 Source: Intel*

**Decision:** The document was **revised to S5-238164**.

**S5-238164 pCR TS 28.abc Add Per-UE measurement related to DL packet delay between PSA UPF and UE**

*Type: other For: Agreement  
 Source: Intel*

(Replaces S5-237562)

**Decision:** The document was **approved**.

**S5-237563 pCR TS 28.abc Add Per-UE measurement related to UL packet delay between PSA UPF and UE**

*Type: other For: Agreement  
 Source: Intel*

**Decision:** The document was **revised to S5-238165**.

**S5-238165 pCR TS 28.abc Add Per-UE measurement related to UL packet delay between PSA UPF and UE**

*Type: other For: Agreement  
 Source: Intel*

(Replaces S5-237563)

**Decision:** The document was **approved**.

**S5-237649 pCR TS 28.abc Add per-UE measurement related to average DL/UL UE throughput**

*Type: other For: (not specified)  
 Source: China Telecom Corporation Ltd., Intel*

**Decision:** The document was **revised to S5-238167**.

**S5-238167 pCR TS 28.abc Add per-UE measurement related to average DL/UL UE throughput**

*Type: other For: -  
 Source: China Telecom Corporation Ltd., Intel*

(Replaces S5-237649)

**Decision:** The document was **noted**.

**S5-237714 pCR TS 28.abc Add Per-UE measurement related to average packet delay**

*Type: other For: Approval  
 Source: China Telecom Corporation Ltd., Intel*

**Decision:** The document was **revised to S5-238166**.

**S5-238166 pCR TS 28.abc Add Per-UE measurement related to average packet delay**

*Type: other For: Approval  
 Source: China Telecom Corporation Ltd., Intel*

(Replaces S5-237714)

**Decision:** The document was **noted**.

**S5-237715 pCR TS 28.abc Add per-UE measurement related to average packet loss**

*Type: other For: Approval  
 Source: China Telecommunications, Intel*

**Decision:** The document was **revised to S5-238168**.

**S5-238168 pCR TS 28.abc Add per-UE measurement related to average packet loss**

*Type: other For: Approval  
 Source: China Telecommunications, Intel*

(Replaces S5-237715)

**Decision:** The document was **noted**.

**S5-237718 pCR TS 28.abc Add per-UE measurement related to average packet loss for split gNB deployment scenario**

*Type: other For: Approval  
 Source: China Telecommunications, Intel*

**Decision:** The document was **revised to S5-238169**.

**S5-238169 pCR TS 28.abc Add per-UE measurement related to average packet loss for split gNB deployment scenario**

*Type: other For: Approval  
 Source: China Telecommunications, Intel*

(Replaces S5-237718)

**Decision:** The document was **noted**.

**S5-237949 DP on analysis of dependency of NFs' enhancement for measurements per UE**

*Type: discussion For: Endorsement  
 Source: ZTE Corporation*

**Decision:** The document was **noted**.

**S5-237955 pCR Add structure for new draft TS 28.abc UE level measurements**

*Type: other For: Agreement  
 Source: Intel*

(Replaces S5-237554)

**Decision:** The document was **approved**.

**S5-238361 Draft TS 28.abc**

*Type: other For: discussion  
 Source: Intel*

**Decision:** The document was **approved**.

#### 6.5.5 Additional NRM features phase 2

##### 6.5.5.1 AdNRM\_ph2\_WoP#1

**S5-237448 Discussion paper on separate yaml file for different control NRM fragments in TS 28.623**

*Type: discussion For: Endorsement  
 28.623 v..  
 Source: Huawei, Deutsche Telekom, Telefónica, NEC*

**Decision:** The document was **revised to S5-238240**.

**S5-238240 Discussion paper on separate yaml file for different control NRM fragments in TS 28.623**

*Type: discussion For: Endorsement  
 28.623 v..  
 Source: Huawei, Deutsche Telekom, Telefónica, NEC,Nokia*

(Replaces S5-237448)

**Decision:** The document was **endorsed**.

**S5-237449 Rel-18 CR TS28.623 Separate yaml file for trace control NRM fragment**

*Type: CR For: Agreement  
 28.623 v18.4.0 CR-0288 Cat: F (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-238241**.

**S5-238241 Rel-18 CR TS28.623 Separate yaml file for trace control NRM fragment**

*Type: CR For: Agreement  
 28.623 v18.4.0 CR-0288 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei*

(Replaces S5-237449)

**Decision:** The document was **agreed**.

##### 6.5.5.2 AdNRM\_ph2\_WoP#2

##### 6.5.5.3 AdNRM\_ph2\_WoP#3

**S5-237598 Clarification on the usage of sNssaiInfoList in multiple places**

*Type: CR For: Agreement  
 28.541 v18.5.0 CR-1107 Cat: F (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-237599 Update description of ExtSnssai**

*Type: CR For: Agreement  
 28.541 v18.5.0 CR-1108 Cat: F (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

##### 6.5.5.4 AdNRM\_ph2\_WoP#4

**S5-237360 TS28.541 Rel18 NRM enhancements for NRFFunction phase 4**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1058 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237361 TS28.541 Rel18 NRM enhancements for MNPFFunction**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1059 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237362 TS28.541 Rel18 NRM enhancements for class diagram**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1060 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not pursued**.

**S5-238163 TS28.541 Rel18 NRM enhancements for class diagram**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1022 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-236246)

**Decision:** The document was **agreed**.

##### 6.5.5.5 AdNRM\_ph2\_WoP#5

**S5-237350 Discussion paper to clarify network slice SLA attribute jitter**

*Type: discussion For: Endorsement  
 Source: Nokia, Nokia Shanghai Bell, KDDI, TELUS*

**Decision:** The document was **revised to S5-238242**.

**S5-238242 Discussion paper to clarify network slice SLA attribute jitter**

*Type: discussion For: Endorsement  
 Source: Nokia, Nokia Shanghai Bell, KDDI, TELUS,Telefonica*

(Replaces S5-237350)

**Decision:** The document was **noted**.

**S5-237351 Rel-18 CR TS 28.541 Fix inconsistencies related to network slice SLA attribute jitter**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1032 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, KDDI, TELUS*

(Replaces S5-236334)

**Decision:** The document was **not pursued**.

**S5-237352 Rel-18 CR TS 28.541 Add support for GSMA attribute for slice QoS**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1037 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-236339)

**Decision:** The document was **revised to S5-238244**.

**S5-238244 Rel-18 CR TS 28.541 Add support for GSMA attribute for slice QoS**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1037 rev 2 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237352)

**Decision:** The document was **not pursued**.

**S5-237353 Rel-18 CR TS 28.541 Add support for GSMA attributes related to data networks**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1038 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, Samsung*

(Replaces S5-236340)

**Decision:** The document was **revised to S5-238313**.

**S5-238313 Rel-18 CR TS 28.541 Add support for GSMA attributes related to data networks**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1038 rev 2 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, Samsung*

(Replaces S5-237353)

**Decision:** The document was **agreed**.

**S5-237703 Rel-18 CR 28.541 Radio Specturm in SliceSubnet**

*Type: CR For: Agreement  
 28.541 v18.5.0 CR-1113 Cat: B (Rel-18)  
  
 Source: Samsung R&D Institute India*

**Decision:** The document was **not pursued**.

**S5-237946 Rel-18 CR TS 28.541 Add slice validity info to ServiceProfile**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1128 Cat: B (Rel-18)  
  
 Source: Samsung Electronics Iberia SA*

**Decision:** The document was **not pursued**.

**S5-238245 Rel-18 CR TS 28.541 Add slice validity info to ServiceProfile**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1128 rev 1 Cat: B (Rel-18)  
  
 Source: Samsung Electronics Iberia SA*

**Decision:** The document was **withdrawn**.

#### 6.5.6 Management Aspects related to NWDAF

##### 6.5.6.1 MANWDAF\_WoP#1

**S5-237712 Editorial modification for the use case of performance measurements for NWDAF**

*Type: CR For: Agreement  
 28.552 v18.4.0 CR-0502 Cat: F (Rel-18)  
  
 Source: China Telecom*

**Decision:** The document was **agreed**.

**S5-237713 Editorial modification for the performance measurements of NWDAF**

*Type: CR For: Agreement  
 28.552 v18.4.0 CR-0503 Cat: D (Rel-18)  
  
 Source: China Telecom*

**Decision:** The document was **agreed**.

##### 6.5.6.2 MANWDAF\_WoP#2

**S5-237684 Rel 18 CR TS 28.541 Stage 3 Add FL related attributes in NWDAFFunction**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1111 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237685 Rel-18 CR TS 28.541 Add FL related attributes in NWDAFFunction**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1112 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237809 Rel-18 CR 28.552 Add measurements related to NWDAF analytics service failure**

*Type: CR For: Approval  
 28.552 v18.4.0 CR-0504 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238210**.

**S5-238210 Rel-18 CR 28.552 Add measurements related to NWDAF analytics service failure**

*Type: CR For: Approval  
 28.552 v18.4.0 CR-0504 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237809)

**Decision:** The document was **agreed**.

**S5-237811 Rel-18 CR TS 28.541 Correction of attributes defined in NWDAFFunction**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1120 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-237816 Rel-18 CR 28.552 Add measurement related to time consumption of NWDAF providing ML model training service information**

*Type: CR For: Approval  
 28.552 v18.4.0 CR-0505 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238289**.

**S5-238289 Rel-18 CR 28.552 Add measurement related to time consumption of NWDAF providing ML model training service information**

*Type: CR For: Approval  
 28.552 v18.4.0 CR-0505 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237816)

**Decision:** The document was **not pursued**.

**S5-237817 Rel-18 CR 28.552 Add measurements related to NWDAF ML model training service failure**

*Type: CR For: Approval  
 28.552 v18.4.0 CR-0506 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238211**.

**S5-238211 Rel-18 CR 28.552 Add measurements related to NWDAF ML model training service failure**

*Type: CR For: Approval  
 28.552 v18.4.0 CR-0506 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237817)

**Decision:** The document was **revised to S5-238348**.

**S5-238348 Rel-18 CR 28.552 Add measurements related to NWDAF ML model training service failure**

*Type: CR For: Approval  
 28.552 v18.4.0 CR-0506 rev 2 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-238211)

**Decision:** The document was **agreed**.

##### 6.5.6.3 MANWDAF\_WoP#3

#### 6.5.7 Enhanced Edge Computing Management

##### 6.5.7.1 eECM\_WoP#1

**S5-237606 Rel-18 DraftCR 28.538 adding processMonitor in EASRequirement**

*Type: draftCR For: Approval  
 28.538 v18.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-238238**.

**S5-238238 Rel-18 DraftCR 28.538 adding processMonitor in EASRequirement**

*Type: draftCR For: Approval  
 28.538 v18.4.0  
 Source: Huawei*

(Replaces S5-237606)

**Decision:** The document was **approved**.

**S5-237607 Rel-18 DraftCR 28.538 Correction on EAS instantiation triggered by PM**

*Type: draftCR For: Approval  
 28.538 v18.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-238237**.

**S5-238237 Rel-18 DraftCR 28.538 Correction on EAS instantiation triggered by PM**

*Type: draftCR For: Approval  
 28.538 v18.4.0  
 Source: Huawei*

(Replaces S5-237607)

**Decision:** The document was **approved**.

**S5-238362 Draft CR TS 28.538**

*Type: draftCR For: Approval  
 28.538 v18.4.0  
 Source: Samsung*

**Decision:** The document was **approved**.

##### 6.5.7.2 eECM\_WoP#2

**S5-237374 Rel-18 CR 28.538 DraftCR to CR**

*Type: CR For: Agreement  
 28.538 v18.4.0 CR-0055 Cat: B (Rel-18)  
  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **revised to S5-238239**.

**S5-238239 Rel-18 CR 28.538 DraftCR to CR**

*Type: CR For: Agreement  
 28.538 v18.4.0 CR-0055 rev 1 Cat: B (Rel-18)  
  
 Source: Samsung R&D Institute UK*

(Replaces S5-237374)

**Decision:** The document was **agreed**.

##### 6.5.7.3 eECM\_WoP#3

**S5-237602 Rel-18 DraftCR 28.538 update EAS to connect to UPF procedure**

*Type: draftCR For: Approval  
 28.538 v18.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-238232**.

**S5-238232 Rel-18 DraftCR 28.538 update EAS to connect to UPF procedure**

*Type: draftCR For: Approval  
 28.538 v18.4.0  
 Source: Huawei*

(Replaces S5-237602)

**Decision:** The document was **approved**.

#### 6.5.8 Management Aspect of 5GLAN

##### 6.5.8.1 5GLAN\_Mgt\_WoP#1

##### 6.5.8.2 5GLAN\_Mgt\_WoP#2

#### 6.5.9 Management Aspects of NTN

##### 6.5.9.1 OAM\_NTN\_WoP#1

**S5-237658 Rel-18 CR TS 28.530 Add management capability support for NTN**

*Type: CR For: Approval  
 28.530 v17.4.0 CR-0060 Cat: B (Rel-17)  
  
 Source: China Unicom, China Telecom*

**Decision:** The document was **withdrawn**.

**S5-237659 Rel-18 CR TS 28.530 Add Annex network management support for NTN architecture**

*Type: CR For: Approval  
 28.530 v17.4.0 CR-0061 Cat: B (Rel-17)  
  
 Source: China Unicom*

**Decision:** The document was **withdrawn**.

**S5-237699 Rel-18 CR TS 28.530 Add management capability support for NTN**

*Type: CR For: Approval  
 28.530 v17.4.0 CR-0062 Cat: B (Rel-18)  
  
 Source: China Unicom, China Telecom*

**Decision:** The document was **revised to S5-238212**.

**S5-238212 Rel-18 CR TS 28.530 Add management capability support for NTN**

*Type: CR For: Approval  
 28.530 v17.4.0 CR-0062 rev 1 Cat: B (Rel-18)  
  
 Source: China Unicom, China Telecom*

(Replaces S5-237699)

**Decision:** The document was **agreed**.

**S5-237701 Rel-18 CR TS 28.530 Add Annex network management support for NTN architecture**

*Type: CR For: Approval  
 28.530 v17.4.0 CR-0063 Cat: B (Rel-18)  
  
 Source: China Unicom*

**Decision:** The document was **revised to S5-238213**.

**S5-238213 Rel-18 CR TS 28.530 Add Annex network management support for NTN architecture**

*Type: CR For: Approval  
 28.530 v17.4.0 CR-0063 rev 1 Cat: B (Rel-18)  
  
 Source: China Unicom*

(Replaces S5-237701)

**Decision:** The document was **agreed**.

##### 6.5.9.2 OAM\_NTN\_WoP#2

**S5-237644 Update definitions of Ephemeris**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1110 Cat: B (Rel-18)  
  
 Source: CATT*

**Decision:** The document was **revised to S5-238214**.

**S5-238214 Update definitions of Ephemeris**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1110 rev 1 Cat: B (Rel-18)  
  
 Source: CATT*

(Replaces S5-237644)

**Decision:** The document was **agreed**.

##### 6.5.9.3 OAM\_NTN\_WoP#3

#### 6.5.10 Management of cloud-native Virtualized Network Functions

##### 6.5.10.1 MCVNF\_WoP#1

**S5-237939 Update references from TS 28.526 to ETSI NFV IFA 013**

*Type: CR For: Approval  
 28.531 v18.3.0 CR-0231 Cat: F (Rel-18)  
  
 Source: Microsoft*

**Decision:** The document was **revised to S5-238215**.

**S5-238215 Update references from TS 28.526 to ETSI NFV IFA 013**

*Type: CR For: Approval  
 28.531 v18.3.0 CR-0231 rev 1 Cat: F (Rel-18)  
  
 Source: Microsoft*

(Replaces S5-237939)

**Decision:** The document was **agreed**.

##### 6.5.10.2 MCVNF\_WoP#2

##### 6.5.10.3 MCVNF\_WoP#3

**S5-237675 Rel-18 CR TS 28.531 Add the introduction for the procedure of NF instance creation**

*Type: CR For: Approval  
 28.531 v18.3.0 CR-0225 rev 2 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

(Replaces S5-237106)

**Decision:** The document was **revised to S5-238216**.

**S5-238216 Rel-18 CR TS 28.531 Add the introduction for the procedure of NF instance creation**

*Type: CR For: Approval  
 28.531 v18.3.0 CR-0225 rev 3 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

(Replaces S5-237675)

**Decision:** The document was **revised to S5-238349**.

**S5-238349 Rel-18 CR TS 28.531 Add the introduction for the procedure of NF instance creation**

*Type: CR For: Approval  
 28.531 v18.3.0 CR-0225 rev 4 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

(Replaces S5-238216)

**Decision:** The document was **agreed**.

**S5-237677 Rel-18 CR TS 28.531 Update reference for NS lifecycle management procedure**

*Type: CR For: Approval  
 28.531 v18.3.0 CR-0229 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

**Decision:** The document was **merged**.

#### 6.5.11 Management Aspects of 5G Network Sharing Phase2

##### 6.5.11.1 MANS\_ph2\_WoP#1

**S5-237462 Rel-18 CR TS 28.541 Address EP\_F1 issue for MOCN RAN sharing scenario**

*Type: CR For: Agreement  
 28.541 v18.5.0 CR-1031 rev 2 Cat: B (Rel-18)  
  
 Source: Huawei,China Unicom*

(Replaces S5-236318)

**Decision:** The document was **revised to S5-238233**.

**S5-238233 Rel-18 CR TS 28.541 Address EP\_F1 issue for MOCN RAN sharing scenario**

*Type: CR For: Agreement  
 28.541 v18.5.0 CR-1031 rev 3 Cat: B (Rel-18)  
  
 Source: Huawei,China Unicom*

(Replaces S5-237462)

**Decision:** The document was **not pursued**.

**S5-237463 Rel-18 CR TS 28.622 Enhance the ManagementDataCollection to support request management data per PLMN**

*Type: CR For: Agreement  
 28.622 v18.4.0 CR-0308 Cat: B (Rel-18)  
  
 Source: Huawei,Ericsson,China Unicom*

**Decision:** The document was **revised to S5-238234**.

**S5-238234 Rel-18 CR TS 28.622 Enhance the ManagementDataCollection to support request management data per PLMN**

*Type: CR For: Agreement  
 28.622 v18.4.0 CR-0308 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei,Ericsson,China Unicom*

(Replaces S5-237463)

**Decision:** The document was **agreed**.

**S5-237464 Rel-18 CR TS 28.623 Enhance the ManagementDataCollection to support request management data per PLMN**

*Type: CR For: Agreement  
 28.623 v18.4.0 CR-0289 Cat: B (Rel-18)  
  
 Source: Huawei,Ericsson,China Unicom*

**Decision:** The document was **agreed**.

**S5-237617 Rel-18 CR TS 28.552 Add PLMN granularity for PDU sessions related measurements for NG-RAN MOCN network sharing scenario**

*Type: CR For: Approval  
 28.552 v18.4.0 CR-0497 Cat: B (Rel-18)  
  
 Source: China Unicom*

**Decision:** The document was **agreed**.

**S5-237618 Rel-18 CR TS 28.552 Add PLMN granularity for peak PRB used for data traffic measurements for NG-RAN MOCN network sharing scenario**

*Type: CR For: Approval  
 28.552 v18.4.0 CR-0498 Cat: B (Rel-18)  
  
 Source: China Unicom*

**Decision:** The document was **agreed**.

**S5-237676 Rel-18 CR TS 32.130 Add requirements for NG-RAN MOCN network sharing scenario with multiple Cell Identity broadcast**

*Type: CR For: Approval  
 32.130 v18.0.0 CR-0025 Cat: B (Rel-18)  
  
 Source: China Unicom*

**Decision:** The document was **withdrawn**.

**S5-237929 Rel-18 CR TS 32.130 Add requirements for NG-RAN MOCN network sharing scenario with multiple Cell Identity broadcast**

*Type: CR For: Approval  
 32.130 v18.0.0 CR-0026 Cat: B (Rel-18)  
  
 Source: China Unicom*

**Decision:** The document was **agreed**.

##### 6.5.11.2 MANS\_ph2\_WoP#2

#### 6.5.12 Management Aspects of URLLC

##### 6.5.12.1 URLLC\_Mgt\_WoP#1

**S5-237708 Rel-18 CR 28.541 Modify the attributes of UL and DL latency in RAN**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1114 Cat: B (Rel-18)  
  
 Source: China Unicom*

**Decision:** The document was **revised to S5-238225**.

**S5-238225 Rel-18 CR 28.541 Modify the attributes of UL and DL latency in RAN**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1114 rev 1 Cat: B (Rel-18)  
  
 Source: China Unicom*

(Replaces S5-237708)

**Decision:** The document was **agreed**.

##### 6.5.12.2 URLLC\_Mgt\_WoP#2

**S5-237706 Rel-18 CR 28.554 Add new KPI on DL reliability with delay threshold in RAN**

*Type: CR For: Approval  
 28.554 v18.3.1 CR-0154 Cat: B (Rel-18)  
  
 Source: China Unicom*

**Decision:** The document was **withdrawn**.

**S5-237931 Rel-18 CR 28.554 Add new KPI on DL reliability with delay threshold in RAN**

*Type: CR For: Approval  
 28.554 v18.3.1 CR-0161 Cat: B (Rel-18)  
  
 Source: China Unicom*

**Decision:** The document was **not pursued**.

#### 6.5.13 Management aspects of 5G system supporting satellite backhaul (Preliminary work before SA)

##### 6.5.13.1 OAM\_5GSATB\_WoP#1

**S5-237813 Rel-18 CR 28.541 Add satellite backhaul information for QoS monitoring per QoS flow per UE**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1121 Cat: B (Rel-18)  
  
 Source: China Telecom Corporation Ltd.*

**Decision:** The document was **revised to S5-238104**.

**S5-238104 Rel-18 CR 28.541 Add satellite backhaul information for QoS monitoring per QoS flow per UE**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1121 rev 1 Cat: B (Rel-18)  
  
 Source: China Telecom Corporation Ltd.*

(Replaces S5-237813)

**Decision:** The document was **revised to S5-238246**.

**S5-238246 Rel-18 CR 28.541 Add satellite backhaul information for QoS monitoring per QoS flow per UE**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1121 rev 2 Cat: B (Rel-18)  
  
 Source: China Telecom Corporation Ltd.*

(Replaces S5-238104)

**Decision:** The document was **agreed**.

**S5-237814 Rel-18 CR 28.541 Add satellite backhaul information to support 5G system with satellite backhaul architecture**

*Type: CR For: (not specified)  
 28.541 v18.5.0 CR-1122 Cat: B (Rel-18)  
  
 Source: China Telecom Corporation Ltd.*

**Decision:** The document was **revised to S5-238105**.

**S5-238105 Rel-18 CR 28.541 Add satellite backhaul information to support 5G system with satellite backhaul architecture**

*Type: CR For: -  
 28.541 v18.5.0 CR-1122 rev 1 Cat: B (Rel-18)  
  
 Source: China Telecom Corporation Ltd.*

(Replaces S5-237814)

**Decision:** The document was **revised to S5-238247**.

**S5-238247 Rel-18 CR 28.541 Add satellite backhaul information to support 5G system with satellite backhaul architecture**

*Type: CR For: -  
 28.541 v18.5.0 CR-1122 rev 2 Cat: B (Rel-18)  
  
 Source: China Telecom Corporation Ltd.*

(Replaces S5-238105)

**Decision:** The document was **not pursued**.

##### 6.5.13.2 OAM\_5GSATB\_WoP#2

### 6.6 OAM&P Rel-18 Work Items - Support of New Services

#### 6.6.1 Access control for management service

**S5-238129 Tuesday Q2 Breakout on 6.6.1 MSAC**

*Type: report For: Information  
 Source: Nokia*

**Decision:** The document was **noted**.

**S5-238358 DraftCR TS 28.533 on Access control for management service**

*Type: draftCR For: Approval  
 28.533 v17.4.0  
 Source: Nokia, Nokia Shanghai Bell,Deutsche Telekom, Telefonical*

**Decision:** The document was **approved**.

##### 6.6.1.1 MSAC\_WoP#1

##### 6.6.1.2 MSAC\_WoP#2

**S5-237581 Rel-18 InputToDraftCR 28.533 on concept of Entities, Information Model for Access control**

*Type: draftCR For: Approval  
 28.533 v17.4.0  
 Source: Nokia UK*

**Decision:** The document was **revised to S5-238109**.

**S5-238109 Rel-18 InputToDraftCR 28.533 on concept of Entities, Information Model for Access control**

*Type: draftCR For: Approval  
 28.533 v17.4.0  
 Source: Nokia UK,Telefonica,DTAG*

(Replaces S5-237581)

**Decision:** The document was **approved**.

##### 6.6.1.3 MSAC\_WoP#3

**S5-237582 Rel-18 InputToDraftCR 28.533 on REST and OpenAPI based solution set for Access control**

*Type: draftCR For: Approval  
 28.533 v17.4.0  
 Source: Nokia UK*

**Decision:** The document was **noted**.

**S5-237583 Rel-18 InputToDraftCR 28.533 on Netconf solution set for Access control**

*Type: draftCR For: Approval  
 28.533 v17.4.0  
 Source: Nokia UK*

**Decision:** The document was **noted**.

**S5-237666 Rel-18 InputToDraftCR TS 28.533 Update the description of role based access control**

*Type: draftCR For: Approval  
 28.533 v17.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-238269**.

**S5-238269 Rel-18 InputToDraftCR TS 28.533 Update the description of role based access control**

*Type: draftCR For: Approval  
 28.533 v17.4.0  
 Source: Huawei*

(Replaces S5-237666)

**Decision:** The document was **approved**.

**S5-237667 Rel-18 InputToDraftCR TS 28.533 Correct the description of attribute identityType and identityName**

*Type: draftCR For: Approval  
 28.533 v17.4.0  
 Source: Huawei*

**Decision:** The document was **approved**.

##### 6.6.1.4 MSAC\_WoP#4

#### 6.6.2 Enhancements of EE for 5G Phase 2

##### 6.6.2.1 EE5GPLUS\_Ph2\_WoP#1

**S5-237503 Add definitions**

*Type: CR For: Agreement  
 28.310 v18.3.0 CR-0039 rev 2 Cat: B (Rel-18)  
  
 Source: Huawei, Ericsson, Nokia*

(Replaces S5-237094)

**Decision:** The document was **agreed**.

**S5-237610 Rel-18 CR 28.541 Add energy saving attributes to IOC UPFFunction**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1109 Cat: B (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-238288**.

**S5-238288 Rel-18 CR 28.541 Add energy saving attributes to IOC UPFFunction**

*Type: CR For: Approval  
 28.541 v18.5.0 CR-1109 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei*

(Replaces S5-237610)

**Decision:** The document was **agreed**.

##### 6.6.2.2 EE5GPLUS\_Ph2\_WoP#2

**S5-237716 Rel-18 Add KPI on Energy Efficiency of URLLC Network Slice based on reliability**

*Type: CR For: Approval  
 28.554 v18.3.1 CR-0155 Cat: B (Rel-18)  
  
 Source: China Unicom, Ericsson*

**Decision:** The document was **withdrawn**.

**S5-237930 Rel-18 Add KPI on Energy Efficiency of URLLC Network Slice based on reliability**

*Type: CR For: Approval  
 28.554 v18.3.1 CR-0160 Cat: B (Rel-18)  
  
 Source: China Unicom, Ericsson*

**Decision:** The document was **not pursued**.

**S5-237947 Rel-18 CR TS 28.554 KPI for EE of URLLC NS based on its reliability**

*Type: CR For: Approval  
 28.554 v18.3.1 CR-0162 Cat: B (Rel-18)  
  
 Source: Samsung Electronics Iberia SA*

**Decision:** The document was **not pursued**.

#### 6.6.3 Management of non-public networks phase 2

##### 6.6.3.1 OAM\_NPN\_Ph2\_WoP#1

**S5-237615 Rel-18 CR TS 28.557 Correction on procedure figure for NPN provisioning by a network slice of a PLMN**

*Type: CR For: Agreement  
 28.557 v18.1.0 CR-0010 Cat: D (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

##### 6.6.3.2 OAM\_NPN\_Ph2\_WoP#2

**S5-237613 Rel-18 CR TS 28.557 Add use case and requirements for dedicated resource demand for NPN service customers**

*Type: CR For: Agreement  
 28.557 v18.1.0 CR-0008 Cat: B (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-238248**.

**S5-238248 Rel-18 CR TS 28.557 Add use case and requirements for dedicated resource demand for NPN service customers**

*Type: CR For: Agreement  
 28.557 v18.1.0 CR-0008 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei*

(Replaces S5-237613)

**Decision:** The document was **not pursued**.

##### 6.6.3.3 OAM\_NPN\_Ph2\_WoP#3

##### 6.6.3.4 OAM\_NPN\_Ph2\_WoP#4

**S5-237614 Rel-18 CR TS 28.557 Add use case for E2E latency monitoring in NPN**

*Type: CR For: Agreement  
 28.557 v18.1.0 CR-0009 Cat: B (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **not pursued**.

#### 6.6.4 Network and Service Operations for Energy Utilities

##### 6.6.4.1 NSOEU\_WoP#1

##### 6.6.4.2 NSOEU\_WoP#2

**S5-237837 Rel-18 pCR 28.318 Diverse clean ups and alignment**

*Type: pCR For: Approval  
 28.318 v0.2.0  
 Source: Samsung Electronics GmbH*

**Abstract:**

Removes editor's notes, corrects procedures 6.1.2, editorial corrections, aligns use of the term site operator and replaces most occurrences with MNO.

**Decision:** The document was **revised to S5-238218**.

**S5-238218 Rel-18 pCR 28.318 Diverse clean ups and alignment**

*Type: pCR For: Approval  
 28.318 v0.2.0  
 Source: Samsung Electronics GmbH*

(Replaces S5-237837)

**Decision:** The document was **approved**.

##### 6.6.4.3 NSOEU\_WoP#3

**S5-237800 Rel-18 pCR 28.318 table of contents**

*Type: pCR For: Agreement  
 28.318 v0.2.0  
 Source: Nokia*

**Decision:** The document was **approved**.

**S5-237801 DP: Impacts of 3GPP Architecture on Cell Availability PM**

*Type: discussion For: Endorsement  
 Source: Nokia*

**Decision:** The document was **noted**.

**S5-238219 DP: Impacts of 3GPP Architecture on Cell Availability PM**

*Type: discussion For: Endorsement  
 Source: Nokia*

**Decision:** The document was **withdrawn**.

**S5-237802 DP: Cell Availability**

*Type: discussion For: Endorsement  
 Source: Nokia*

**Decision:** The document was **noted**.

**S5-238220 DP: Cell Availability**

*Type: discussion For: Endorsement  
 Source: Nokia*

**Decision:** The document was **withdrawn**.

**S5-237836 Rel-18 pCR 28.318 5.3 Corrections to Exposed coordinated recovery**

*Type: pCR For: Approval  
 28.318 v0.2.0  
 Source: Samsung Electronics GmbH*

**Abstract:**

Corrections and specification-internal alignment are proposed for the requirements for coordinated recovery requirements.

**Decision:** The document was **revised to S5-238222**.

**S5-238222 Rel-18 pCR 28.318 5.3 Corrections to Exposed coordinated recovery**

*Type: pCR For: Approval  
 28.318 v0.2.0  
 Source: Samsung Electronics GmbH*

(Replaces S5-237836)

**Decision:** The document was **approved**.

**S5-237903 Rel-18 pCR TS 28.318 Cell Availability performance measurement definition**

*Type: pCR For: Approval  
 28.318 v0.2.0  
 Source: Nokia Hungary*

**Decision:** The document was **revised to S5-238221**.

**S5-238221 Rel-18 pCR TS 28.318 Cell Availability performance measurement definition**

*Type: pCR For: Approval  
 28.318 v0.2.0  
 Source: Nokia Hungary*

(Replaces S5-237903)

**Decision:** The document was **approved**.

**S5-237914 Rel-18 pCR TS 28.318 Stage 2 definition for exposing performance and prediction information for high availability**

*Type: pCR For: Approval  
 28.318 v0.2.0  
 Source: Nokia Hungary*

**Decision:** The document was **noted**.

**S5-237916 Rel-18 pCR TS 28.318 Stage 3 definition for exposing performance and prediction information for high availability**

*Type: pCR For: Approval  
 28.318 v0.2.0  
 Source: Nokia Hungary*

**Decision:** The document was **noted**.

**S5-237918 Rel-18 pCR TS 28.318 Procedure for exposing performance and prediction information for high availability**

*Type: pCR For: Approval  
 28.318 v0.2.0  
 Source: Nokia Hungary*

**Decision:** The document was **noted**.

**S5-237951 Rel-18 pCR TS 28.318 NRM definitions Network Performance Monitoring**

*Type: pCR For: Approval  
 28.318 v0.2.0  
 Source: Samsung Electronics Iberia SA*

**Decision:** The document was **revised to S5-238223**.

**S5-238223 Rel-18 pCR TS 28.318 NRM definitions Network Performance Monitoring**

*Type: pCR For: Approval  
 28.318 v0.2.0  
 Source: Samsung Electronics Iberia SA*

(Replaces S5-237951)

**Decision:** The document was **noted**.

**S5-237953 Rel-18 pCR TS 28.318 PMs and KPI definition for NSOEU**

*Type: pCR For: Approval  
 28.318 v0.2.0  
 Source: Samsung Electronics Iberia SA*

**Decision:** The document was **approved**.

##### 6.6.4.4 NSOEU\_WoP#4

**S5-237835 Presentation of Specification/Report to TSG: TS 28.318, Version 0.3.0 (1.0.0)**

*Type: TS or TR cover For: Approval  
 28.318 v0.2.0  
 Source: Samsung Electronics GmbH*

**Abstract:**

Cover sheet to send the specification to SA 102 for Information.

**Decision:** The document was **noted**.

**S5-238346 Presentation of Specification/Report to TSG: TS 28.318, Version 0.3.0 (1.0.0)**

*Type: TS or TR cover For: Approval  
 28.318 v0.2.0  
 Source: Samsung Electronics GmbH*

**Decision:** The document was **withdrawn**.

**S5-237950 Rel-18 pCR TS 28.318 NRM definitions\_Coordinated Rapid Recovery**

*Type: pCR For: Approval  
 28.318 v0.2.0  
 Source: Samsung Electronics Iberia SA*

**Decision:** The document was **revised to S5-238224**.

**S5-238224 Rel-18 pCR TS 28.318 NRM definitions\_Coordinated Rapid Recovery**

*Type: pCR For: Approval  
 28.318 v0.2.0  
 Source: Samsung Electronics Iberia SA*

(Replaces S5-237950)

**Decision:** The document was **noted**.

##### 6.6.4.5 Draft TS email approval

**S5-238217 Draft TR 28.318**

*Type: other For: Approval  
 28.318 v0.3.0  
 Source: Samsung*

**Decision:** The document was **withdrawn**.

### 6.7 OAM&P Studies - Intelligence and Automation

#### 6.7.1 Study on evaluation of autonomous network levels

##### 6.7.1.1 FS\_ANLEVA\_WoP#1

**S5-237480 pCR TR 28.909 Add background of relevant studies in TM Forum**

*Type: pCR For: Approval  
 28.909 v0.3.0  
 Source: China Mobile, Huawei*

**Decision:** The document was **revised to S5-238327**.

**S5-238327 pCR TR 28.909 Add background of relevant studies in TM Forum**

*Type: pCR For: Approval  
 28.909 v0.3.0  
 Source: China Mobile, Huawei*

(Replaces S5-237480)

**Decision:** The document was **approved**.

##### 6.7.1.2 FS\_ANLEVA\_WoP#2

**S5-237481 pCR TR 28.909 Add potential KEI for fault management**

*Type: pCR For: Approval  
 28.909 v0.3.0  
 Source: China Mobile, Huawei*

(Replaces S5-234745)

**Decision:** The document was **approved**.

##### 6.7.1.3 FS\_ANLEVA\_WoP#3

##### 6.7.1.4 FS\_ANLEVA\_WoP#4

##### 6.7.1.5 Draft TR email approval

**S5-238355 Draft TR 28.909**

*Type: draft TR For: Approval  
 28.909 v0.4.0  
 Source: China Mobile*

**Decision:** The document was **approved**.

#### 6.7.2 Study on intent-driven management for network slicing

##### 6.7.2.1 FS\_NETSLICE\_IDMS\_WoP#1

##### 6.7.2.2 FS\_NETSLICE\_IDMS\_WoP#2

##### 6.7.2.3 FS\_NETSLICE\_IDMS\_WoP#3

##### 6.7.2.4 FS\_NETSLICE\_IDMS\_WoP#4

**S5-237737 pCR TR 28.836 Add definitions and abbreviations**

*Type: pCR For: Approval  
 28.836 v1.2.0  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

**Decision:** The document was **revised to S5-238252**.

**S5-238252 pCR TR 28.836 Add definitions and abbreviations**

*Type: pCR For: Approval  
 28.836 v1.2.0  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

(Replaces S5-237737)

**Decision:** The document was **approved**.

**S5-237738 pCR TR 28.836 Rapporteur clean-up template information**

*Type: pCR For: Approval  
 28.836 v1.2.0  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **approved**.

##### 6.7.2.5 FS\_NETSLICE\_IDMS\_WoP#5

**S5-237739 pCR TR 28.836 Update conclusions and recommendations**

*Type: pCR For: Approval  
 28.836 v1.2.0  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

**Decision:** The document was **revised to S5-238263**.

**S5-238263 pCR TR 28.836 Update conclusions and recommendations**

*Type: pCR For: Approval  
 28.836 v1.2.0  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

(Replaces S5-237739)

**Decision:** The document was **approved**.

**S5-238335 Presentation sheet TR 28.836**

*Type: TS or TR cover For: Approval  
 28.836 v..  
 Source: Ericsson*

**Decision:** The document was **approved**.

##### 6.7.2.6 Draft TR email approval

**S5-238236 Draft TR 28.836**

*Type: draft TR For: Approval  
 28.836 v1.3.0  
 Source: Ericsson*

**Decision:** The document was **approved**.

#### 6.7.3 Study on Fault Supervision Evolution

##### 6.7.3.1 FS\_FSEV\_WoP#1

**S5-237741 pCR TR 28.830 Add description of relation with performance management**

*Type: pCR For: Approval  
 28.830 v0.6.0  
 Source: Huawei, China Mobile*

**Decision:** The document was **withdrawn**.

**S5-237744 pCR TR 28.830 Add description of relation with performance management**

*Type: pCR For: Approval  
 28.830 v0.6.0  
 Source: Huawei, China Mobile*

**Decision:** The document was **noted**.

##### 6.7.3.2 FS\_FSEV\_WoP#2

**S5-237742 pCR TR 28.830 Add solution of performance related alarm analysis**

*Type: pCR For: Approval  
 28.830 v0.6.0  
 Source: Huawei, China Mobile*

**Decision:** The document was **withdrawn**.

**S5-237743 pCR TR 28.830 Add solution of fault cause analysis enhancement**

*Type: pCR For: Approval  
 28.830 v0.6.0  
 Source: Huawei, China Mobile*

**Decision:** The document was **withdrawn**.

**S5-237745 pCR TR 28.830 Add solution of performance related alarm analysis**

*Type: pCR For: Approval  
 28.830 v0.6.0  
 Source: Huawei, China Mobile*

**Decision:** The document was **noted**.

**S5-237746 pCR TR 28.830 Add solution of fault cause analysis enhancement**

*Type: pCR For: Approval  
 28.830 v0.6.0  
 Source: Huawei, China Mobile*

**Decision:** The document was **revised to S5-238265**.

**S5-238265 pCR TR 28.830 Add solution of fault cause analysis enhancement**

*Type: pCR For: Approval  
 28.830 v0.6.0  
 Source: Huawei, China Mobile*

(Replaces S5-237746)

**Decision:** The document was **approved**.

##### 6.7.3.3 FS\_FSEV\_WoP#3

##### 6.7.3.4 Draft TR email approval

**S5-238356 Draft TR 28.830**

*Type: draft TR For: Approval  
 28.830 v0.7.0  
 Source: China Mobile*

**Decision:** The document was **approved**.

### 6.8 OAM&P Studies - Management Architecture and Mechanisms

#### 6.8.1 Study on Data management phase 2

##### 6.8.1.1 FS\_MADCOL\_ph2\_WoP#1

**S5-237468 pCR TR 28.842 Add Key Issue and potential solution for reporting data for managementDataCollection**

*Type: pCR For: Approval  
 28.842 v0.6.0  
 Source: Huawei, Deutsche Telekom*

**Decision:** The document was **revised to S5-238266**.

**S5-238266 pCR TR 28.842 Add Key Issue and potential solution for reporting data for managementDataCollection**

*Type: pCR For: Approval  
 28.842 v0.6.0  
 Source: Huawei, Deutsche Telekom*

(Replaces S5-237468)

**Decision:** The document was **approved**.

**S5-237470 pCR TR 28.842 Add potential solution for discovery of management data**

*Type: pCR For: Approval  
 28.842 v0.6.0  
 Source: Huawei, Deutsche Telekom*

**Decision:** The document was **approved**.

**S5-237935 Rel-18 pCR TR 28.842 Potential solution for discovery of stored data**

*Type: pCR For: Approval  
 28.842 v0.6.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **approved**.

**S5-237943 DP on discovery of stored management data**

*Type: discussion For: Endorsement  
 Source: Microsoft Europe SARL*

**Decision:** The document was **endorsed**.

**S5-237945 pCR 28.842 Potential solution for discovery of stored management data**

*Type: pCR For: Approval  
 28.842 v0.6.0  
 Source: Microsoft Europe SARL*

**Decision:** The document was **approved**.

**S5-238267 Minutes breakout session on MADCOL**

*Type: report For: Information  
 Source: Nokia*

**Decision:** The document was **noted**.

##### 6.8.1.2 FS\_MADCOL\_ph2\_WoP#2

**S5-237623 Rel-18 pCR 28.842 New KI on reporting of stored Management data**

*Type: pCR For: Approval  
 28.842 v0.6.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238268**.

**S5-238268 Rel-18 pCR 28.842 New KI on reporting of stored Management data**

*Type: pCR For: Approval  
 28.842 v0.6.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237623)

**Decision:** The document was **noted**.

**S5-237821 Rel-18 pCR 28.842 New KI on Context information for historical data**

*Type: pCR For: Approval  
 28.842 v0.6.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**S5-237944 pCR 28.842 Potential solution for retrieval of stored management data**

*Type: pCR For: Approval  
 28.842 v0.6.0  
 Source: Microsoft Europe SARL,Nokia*

**Decision:** The document was **approved**.

##### 6.8.1.3 FS\_MADCOL\_ph2\_WoP#3

**S5-237934 Rel-18 pCR TR 28.842 New key issue on the definition of NodeFilter and dataScope in ManagementDataCollection**

*Type: pCR For: Approval  
 28.842 v0.6.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238271**.

**S5-238271 Rel-18 pCR TR 28.842 New key issue on the definition of NodeFilter and dataScope in ManagementDataCollection**

*Type: pCR For: Approval  
 28.842 v0.6.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237934)

**Decision:** The document was **noted**.

**S5-237936 Rel-18 pCR TR 28.842 Potential solution to report supported capabilities**

*Type: pCR For: Approval  
 28.842 v0.6.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238274**.

**S5-238274 Rel-18 pCR TR 28.842 Potential solution to report supported capabilities**

*Type: pCR For: Approval  
 28.842 v0.6.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237936)

**Decision:** The document was **approved**.

##### 6.8.1.4 FS\_MADCOL\_ph2\_WoP#4

##### 6.8.1.5 Draft TR email approval

**S5-238270 Draft TR 28.842**

*Type: draft TR For: Approval  
 28.842 v0.7.0  
 Source: Nokia*

**Decision:** The document was **approved**.

### 6.9 OAM&P Studies - Support of New Services

#### 6.9.1 Study on Key Quality Indicators (KQIs)for 5G service experience

##### 6.9.1.1 FS\_KQI\_5G\_WoP#1

**S5-237648 pCR TR 28.863 Issue1 Conclusion for Definition of KQI**

*Type: pCR For: Approval  
 28.863 v0.8.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

**Decision:** The document was **approved**.

**S5-237650 pCR TR 28.863 Issue#2 Conclusion for scenarios for 5G KQI**

*Type: pCR For: Approval  
 28.863 v0.8.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

**Decision:** The document was **approved**.

**S5-237654 pCR TR 28.863 Rapporteur clean up**

*Type: pCR For: Approval  
 28.863 v0.8.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

**Decision:** The document was **approved**.

**S5-237682 Presentation sheet of TR 28.863 for SA approval**

*Type: TS or TR cover For: Approval  
 28.863 v0.8.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

**Decision:** The document was **revised to S5-238276**.

**S5-238276 Presentation sheet of TR 28.863 for SA approval**

*Type: TS or TR cover For: Approval  
 28.863 v0.8.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

(Replaces S5-237682)

**Decision:** The document was **approved**.

**S5-238275 Revised Study on Key Quality Indicators (KQIs) for 5G service experience**

*Type: SID revised For: Agreement  
 Source: Huawei*

**Decision:** The document was **agreed**.

##### 6.9.1.2 FS\_KQI\_5G\_WoP#2

##### 6.9.1.3 FS\_KQI\_5G\_WoP#3

**S5-237651 pCR TR 28.863 Issue#4 Desription of URLLC**

*Type: pCR For: Approval  
 28.863 v0.8.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

**Decision:** The document was **revised to S5-238278**.

**S5-238278 pCR TR 28.863 Issue#4 Desription of URLLC**

*Type: pCR For: Approval  
 28.863 v0.8.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

(Replaces S5-237651)

**Decision:** The document was **approved**.

**S5-237652 pCR TR 28.863 Issue#4 Solution of URLLC**

*Type: pCR For: Approval  
 28.863 v0.8.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

**Decision:** The document was **revised to S5-238279**.

**S5-238279 pCR TR 28.863 Issue#4 Solution of URLLC**

*Type: pCR For: Approval  
 28.863 v0.8.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

(Replaces S5-237652)

**Decision:** The document was **approved**.

##### 6.9.1.4 FS\_KQI\_5G\_WoP#4

**S5-237653 pCR TR 28.863 Issue#5 Conclusion for Cloud VR**

*Type: pCR For: Approval  
 28.863 v0.8.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

**Decision:** The document was **revised to S5-238280**.

**S5-238280 pCR TR 28.863 Issue#5 Conclusion for Cloud VR**

*Type: pCR For: Approval  
 28.863 v0.8.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

(Replaces S5-237653)

**Decision:** The document was **approved**.

##### 6.9.1.5 FS\_KQI\_5G\_WoP#5

##### 6.9.1.6 Draft TR email approval

**S5-238277 Draft TR 28.863**

*Type: draft TR For: Approval  
 28.863 v0.9.0  
 Source: Huawei*

**Decision:** The document was **approved**.

#### 6.9.2 Study on Deterministic Communication Service Assurance

##### 6.9.2.1 FS\_DCSA\_WoP#1

##### 6.9.2.2 FS\_DCSA\_WoP#2

##### 6.9.2.3 FS\_DCSA\_WoP#3

##### 6.9.2.4 FS\_DCSA\_WoP#4

**S5-237749 pCR TR 28.865 Add conclusion of issue2 service assurance for video monitoring**

*Type: pCR For: Approval  
 28.865 v0.6.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-238281**.

**S5-238281 pCR TR 28.865 Add conclusion of issue2 service assurance for video monitoring**

*Type: pCR For: Approval  
 28.865 v0.6.0  
 Source: Huawei*

(Replaces S5-237749)

**Decision:** The document was **approved**.

**S5-237750 pCR TR 28.865 Add conclusion of issue3 service assurance for PLC control**

*Type: pCR For: Approval  
 28.865 v0.6.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-238282**.

**S5-238282 pCR TR 28.865 Add conclusion of issue3 service assurance for PLC control**

*Type: pCR For: Approval  
 28.865 v0.6.0  
 Source: Huawei*

(Replaces S5-237750)

**Decision:** The document was **approved**.

**S5-237751 pCR TR 28.865 Add conclusions and recommendations for the FS\_DCSA study item**

*Type: pCR For: Approval  
 28.865 v0.6.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-238283**.

**S5-238283 pCR TR 28.865 Add conclusions and recommendations for the FS\_DCSA study item**

*Type: pCR For: Approval  
 28.865 v0.6.0  
 Source: Huawei*

(Replaces S5-237751)

**Decision:** The document was **approved**.

##### 6.9.2.5 FS\_DCSA\_WoP#5

##### 6.9.2.6 Draft TR email approval

**S5-238357 Draft TR 28.865**

*Type: draft TR For: Approval  
 28.865 v0.7.0  
 Source: Huawei*

**Decision:** The document was **approved**.

## 7 Charging

### 7.1 Charging Plenary

**S5-237309 CH agenda and time plan**

*Type: agenda For: (not specified)  
 Source: SA5 SWG CH Chair (MATRIXX Software)*

**Decision:** The document was **revised to S5-237975**.

**S5-237975 CH agenda and time plan**

*Type: agenda For: -  
 Source: SA5 SWG CH Chair (MATRIXX Software)*

(Replaces S5-237309)

**Decision:** The document was **noted**.

**S5-237310 Collection of useful contributions and external communication documents**

*Type: discussion For: (not specified)  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-237313 Charging exec report**

*Type: report For: (not specified)  
 Source: SA5 SWG CH Chair (MATRIXX Software)*

**Decision:** The document was **noted**.

**S5-237322 LS on String based Charging Identifier over SBI**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C4-234657*

**Decision:** The document was **postponed**.

### 7.2 New Charging Work Item proposals

**S5-237356 New WID on NEF Charging enhancement to support AI/ML in 5GS**

*Type: WID new For: Approval  
 Source: OPPO*

**Decision:** The document was **revised to S5-237988**.

**S5-237988 New WID on NEF Charging enhancement to support AI/ML in 5GS**

*Type: WID new For: Approval  
 Source: OPPO*

(Replaces S5-237356)

**Decision:** The document was **agreed**.

**S5-237357 AI/ML support for NEF based charging**

*Type: CR For: Approval  
 32.254 v18.1.0 CR-0034 Cat: B (Rel-18)  
  
 Source: OPPO Beijing*

**Decision:** The document was **revised to S5-237989**.

**S5-237989 AI/ML support for NEF based charging**

*Type: CR For: Approval  
 32.254 v18.1.0 CR-0034 rev 1 Cat: B (Rel-18)  
  
 Source: OPPO Beijing*

(Replaces S5-237357)

**Decision:** The document was **agreed**.

**S5-237427 Rel-18 CR TS 32291 AI/ML support for NEF based charging**

*Type: CR For: Approval  
 32.291 v18.3.0 CR-0512 Cat: B (Rel-18)  
  
 Source: OPPO Beijing*

**Decision:** The document was **merged**.

**S5-237990 Rel-18 CR TS 32291 AI/ML support for NEF based charging**

*Type: CR For: Approval  
 32.291 v18.3.0 CR-0512 rev 1 Cat: B (Rel-18)  
  
 Source: OPPO Beijing*

**Decision:** The document was **withdrawn**.

**S5-237428 Rel-18 CR TS 32298 AI/ML support for NEF based charging**

*Type: CR For: Approval  
 32.298 v18.3.0 CR-0963 Cat: B (Rel-18)  
  
 Source: OPPO Beijing*

**Decision:** The document was **merged**.

**S5-237991 Rel-18 CR TS 32298 AI/ML support for NEF based charging**

*Type: CR For: Approval  
 32.298 v18.3.0 CR-0963 rev 1 Cat: B (Rel-18)  
  
 Source: OPPO Beijing*

**Decision:** The document was **withdrawn**.

**S5-237564 Discussion paper for charging aspects of AIML during different phases**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**S5-237824 New WID on charging aspects of Satellite Backhaul in 5GS**

*Type: WID new For: Approval  
 Source: CATT*

**Decision:** The document was **revised to S5-237992**.

**S5-237992 New WID on charging aspects of Satellite Backhaul in 5GS**

*Type: WID new For: Approval  
 Source: CATT*

(Replaces S5-237824)

**Decision:** The document was **agreed**.

**S5-237825 Introduce the charging business roles for the integration of satellite into 5GS**

*Type: CR For: Approval  
 32.240 v18.4.0 CR-0478 Cat: B (Rel-18)  
  
 Source: CATT*

**Abstract:**

Add charging business roles for the support of satellite charging.

**Decision:** The document was **merged**.

**S5-237993 Introduce the charging business roles for the integration of satellite into 5GS**

*Type: CR For: Approval  
 32.240 v18.4.0 CR-0478 rev 1 Cat: B (Rel-18)  
  
 Source: CATT*

**Decision:** The document was **withdrawn**.

**S5-237826 Addition of the satellite backhaul in charging principle**

*Type: CR For: Approval  
 32.255 v18.1.0 CR-0478 Cat: B (Rel-18)  
  
 Source: CATT*

**Abstract:**

Add charging principle and charging scenarios for the support of satellite backhaul charging.

**Decision:** The document was **revised to S5-237994**.

**S5-237994 Addition of the satellite backhaul in charging principle**

*Type: CR For: Approval  
 32.255 v18.1.0 CR-0478 rev 1 Cat: B (Rel-18)  
  
 Source: CATT*

(Replaces S5-237826)

**Decision:** The document was **agreed**.

**S5-237827 Add charging information for the satellite backhaul**

*Type: CR For: Approval  
 32.255 v18.1.0 CR-0479 Cat: B (Rel-18)  
  
 Source: CATT*

**Abstract:**

Add charging information as part of PDU session information for the support of satellite backhaul charging.

**Decision:** The document was **revised to S5-237995**.

**S5-237995 Add charging information for the satellite backhaul**

*Type: CR For: Approval  
 32.255 v18.1.0 CR-0479 rev 1 Cat: B (Rel-18)  
  
 Source: CATT*

(Replaces S5-237827)

**Decision:** The document was **agreed**.

**S5-237828 Add trigger conditions for the satellite backhaul**

*Type: CR For: Approval  
 32.255 v18.1.0 CR-0480 Cat: B (Rel-18)  
  
 Source: CATT*

**Abstract:**

Add trigger conditions for the support of satellite backhaul charging.

**Decision:** The document was **revised to S5-238060**.

**S5-238060 Add trigger conditions for the satellite backhaul**

*Type: CR For: Approval  
 32.255 v18.1.0 CR-0480 rev 1 Cat: B (Rel-18)  
  
 Source: CATT*

(Replaces S5-237828)

**Decision:** The document was **agreed**.

**S5-237829 Add message flow for the satellite backhaul**

*Type: CR For: Approval  
 32.255 v18.1.0 CR-0481 Cat: B (Rel-18)  
  
 Source: CATT*

**Abstract:**

Add message flow for the support of satellite backhaul charging.

**Decision:** The document was **revised to S5-238061**.

**S5-238061 Add message flow for the satellite backhaul**

*Type: CR For: Approval  
 32.255 v18.1.0 CR-0481 rev 1 Cat: B (Rel-18)  
  
 Source: CATT*

(Replaces S5-237829)

**Decision:** The document was **agreed**.

**S5-237830 Add the satellite backhaul information in EAS deployment charging**

*Type: CR For: Approval  
 32.257 v17.4.0 CR-0011 Cat: B (Rel-18)  
  
 Source: CATT*

**Abstract:**

Add the satellite backhaul information in EAS deployment charging

**Decision:** The document was **revised to S5-238062**.

**S5-238062 Add the satellite backhaul information in EAS deployment charging**

*Type: CR For: Approval  
 32.257 v17.4.0 CR-0011 rev 1 Cat: B (Rel-18)  
  
 Source: CATT*

(Replaces S5-237830)

**Decision:** The document was **agreed**.

**S5-237831 Addition of the satellite backhaul in edge computing charging principles**

*Type: CR For: Approval  
 32.257 v17.4.0 CR-0012 Cat: B (Rel-18)  
  
 Source: CATT*

**Abstract:**

Add charging principle and charging information for the support of Edge Computing charging with satellite backhaul.

**Decision:** The document was **revised to S5-238063**.

**S5-238063 Addition of the satellite backhaul in edge computing charging principles**

*Type: CR For: Approval  
 32.257 v17.4.0 CR-0012 rev 1 Cat: B (Rel-18)  
  
 Source: CATT*

(Replaces S5-237831)

**Decision:** The document was **agreed**.

### 7.3 Charging Maintenance and Rel-18 small Enhancements

**S5-237460 Resolve References to nrm yaml**

*Type: CR For: Agreement  
 32.291 v17.8.0 CR-0513 Cat: F (Rel-17)  
  
 Source: MATRIXX Software*

**Decision:** The document was **agreed**.

**S5-237461 Resolve References to nrm yaml**

*Type: CR For: Agreement  
 32.291 v18.3.0 CR-0514 Cat: A (Rel-18)  
  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-237976**.

**S5-237976 Resolve References to nrm yaml**

*Type: CR For: Agreement  
 32.291 v18.3.0 CR-0514 rev 1 Cat: A (Rel-18)  
  
 Source: MATRIXX Software*

(Replaces S5-237461)

**Decision:** The document was **agreed**.

**S5-237565 Rel-18 CR TS 32.254 SUPI and APF ID Correction**

*Type: CR For: Agreement  
 32.254 v18.1.0 CR-0035 Cat: C (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not pursued**.

**S5-237566 Rel-18 CR TS 32.254 Enhance Application Charging description**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0469 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238070**.

**S5-238070 Rel-18 CR TS 32.254 Enhance Application Charging description**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0469 rev 1 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237566)

**Decision:** The document was **agreed**.

**S5-237576 Rel-18 CR TS 32.290 Failure handling without CHF connectivity**

*Type: CR For: Agreement  
 32.290 v18.3.0 CR-0205 Cat: C (Rel-18)  
  
 Source: Nokia. Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238071**.

**S5-238071 Rel-18 CR TS 32.290 Failure handling without CHF connectivity**

*Type: CR For: Agreement  
 32.290 v18.3.0 CR-0205 rev 1 Cat: C (Rel-18)  
  
 Source: Nokia. Nokia Shanghai Bell*

(Replaces S5-237576)

**Decision:** The document was **agreed**.

**S5-237577 Rel-18 CR TS 32.291 Service Consumption with unlimited quota**

*Type: CR For: Agreement  
 32.291 v18.3.0 CR-0515 Cat: C (Rel-18)  
  
 Source: Nokia. Nokia Shanghai Bell*

**Decision:** The document was **not pursued**.

**S5-237757 Rel-18 CR 32.291 Correction of content of type problem json**

*Type: CR For: Agreement  
 32.291 v18.3.0 CR-0506 rev 1 Cat: F (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-236697)

**Decision:** The document was **not pursued**.

**S5-237758 Rel-16 CR 32.254 Removal of editor's note for the NEF API Charging Information**

*Type: CR For: Agreement  
 32.254 v16.6.0 CR-0036 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-238072**.

**S5-238072 Rel-16 CR 32.254 Correcting identifiers as a list**

*Type: CR For: Agreement  
 32.254 v16.6.0 CR-0036 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

(Replaces S5-237758)

**Decision:** The document was **agreed**.

**S5-237759 Rel-17 CR 32.254 Correction external identifiers as a list**

*Type: CR For: Agreement  
 32.254 v17.4.0 CR-0037 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-238073**.

**S5-238073 Rel-17 CR 32.254 Correcting identifiers as a list**

*Type: CR For: Agreement  
 32.254 v17.4.0 CR-0037 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-237759)

**Decision:** The document was **agreed**.

**S5-237760 Rel-18 CR 32.254 Correction external and internal identifiers as a list**

*Type: CR For: Agreement  
 32.254 v18.1.0 CR-0038 Cat: A (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-238074**.

**S5-238074 Rel-18 CR 32.254 Correction of cardinality for NEF external id**

*Type: CR For: Agreement  
 32.254 v18.1.0 CR-0038 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-237760)

**Decision:** The document was **agreed**.

**S5-237761 Rel-16 CR 32.291 Correction of cardinality for NEF external id**

*Type: CR For: Agreement  
 32.291 v16.15.0 CR-0516 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-238075**.

**S5-238075 Rel-16 CR 32.291 Correction of cardinality for NEF external id**

*Type: CR For: Agreement  
 32.291 v16.15.0 CR-0516 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

(Replaces S5-237761)

**Decision:** The document was **agreed**.

**S5-237762 Rel-17 CR 32.291 Correction of NEF external id as a list**

*Type: CR For: Agreement  
 32.291 v17.8.0 CR-0517 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-238076**.

**S5-238076 Rel-17 CR 32.291 Correction of cardinality for NEF external id**

*Type: CR For: Agreement  
 32.291 v17.8.0 CR-0517 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-237762)

**Decision:** The document was **agreed**.

**S5-237763 Rel-18 CR 32.291 Correction of NEF internal and external id as lists**

*Type: CR For: Agreement  
 32.291 v18.3.0 CR-0518 Cat: A (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-238077**.

**S5-238077 Rel-18 CR 32.291 Correction of cardinality for NEF external id**

*Type: CR For: Agreement  
 32.291 v18.3.0 CR-0518 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-237763)

**Decision:** The document was **agreed**.

**S5-237764 Rel-17 CR 32.298 Correction of NEF external id as a list**

*Type: CR For: Agreement  
 32.298 v17.8.0 CR-0964 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-238078**.

**S5-238078 Rel-17 CR 32.298 Correction of NEF external id as a list**

*Type: CR For: Agreement  
 32.298 v17.8.0 CR-0964 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-237764)

**Decision:** The document was **agreed**.

**S5-237765 Rel-18 CR 32.298 Correction of NEF internal and external id as lists**

*Type: CR For: Agreement  
 32.298 v18.3.0 CR-0965 Cat: A (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-238079**.

**S5-238079 Rel-18 CR 32.298 Correction of cardinality for NEF external id**

*Type: CR For: Agreement  
 32.298 v18.3.0 CR-0965 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-237765)

**Decision:** The document was **agreed**.

**S5-237766 Rel-18 CR 32.254 Correction of subscriber identifier**

*Type: CR For: Agreement  
 32.254 v18.1.0 CR-0039 Cat: F (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **not pursued**.

**S5-237767 Rel-18 CR 32.291 Correction of tenant identifier**

*Type: CR For: Agreement  
 32.291 v18.3.0 CR-0519 Cat: F (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **not pursued**.

**S5-237768 Rel-18 CR 32.298 Correction of CHF CDR tenant and subscriber identifier**

*Type: CR For: Agreement  
 32.298 v18.3.0 CR-0966 Cat: F (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **not pursued**.

**S5-237769 Rel-18 CR 32.254 Addition of Trusted AF**

*Type: CR For: Agreement  
 32.254 v18.1.0 CR-0040 Cat: C (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **not pursued**.

**S5-237770 Rel-18 CR 32.298 Correction of record opening time**

*Type: CR For: Agreement  
 32.298 v18.3.0 CR-0956 rev 1 Cat: F (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-236699)

**Decision:** The document was **revised to S5-238082**.

**S5-238082 Rel-18 CR 32.298 Correction of record opening time**

*Type: CR For: Agreement  
 32.298 v18.3.0 CR-0956 rev 2 Cat: F (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-237770)

**Decision:** The document was **agreed**.

**S5-237771 Rel-18 CR 32.255 Correction of record opening time**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0458 rev 1 Cat: F (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-236701)

**Decision:** The document was **revised to S5-238081**.

**S5-238081 Rel-18 CR 32.255 Correction of record opening time**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0458 rev 2 Cat: F (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-237771)

**Decision:** The document was **agreed**.

**S5-237772 Rel-18 CR 32.298 Correction of duration**

*Type: CR For: Agreement  
 32.298 v18.3.0 CR-0958 rev 1 Cat: F (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-236703)

**Decision:** The document was **agreed**.

**S5-237773 Rel-18 CR 32.255 Addition of invocation timestamp in CDR**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0460 rev 1 Cat: C (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-236707)

**Decision:** The document was **revised to S5-238083**.

**S5-238083 Rel-18 CR 32.255 Addition of invocation timestamp in CDR**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0460 rev 2 Cat: C (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-237773)

**Decision:** The document was **agreed**.

**S5-237774 Rel-18 CR 32.260 Addition of invocation timestamp in CDR**

*Type: CR For: Agreement  
 32.260 v18.1.0 CR-0435 rev 1 Cat: C (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-236711)

**Decision:** The document was **revised to S5-238085**.

**S5-238085 Rel-18 CR 32.260 Addition of invocation timestamp in CDR**

*Type: CR For: Agreement  
 32.260 v18.1.0 CR-0435 rev 2 Cat: C (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-237774)

**Decision:** The document was **agreed**.

**S5-237775 Rel-18 CR 32.291 Addition of invocation timestamp in CDR**

*Type: CR For: Agreement  
 32.291 v18.3.0 CR-0508 rev 1 Cat: F (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-236709)

**Decision:** The document was **revised to S5-238084**.

**S5-238084 Rel-18 CR 32.291 Addition of invocation timestamp in CDR**

*Type: CR For: Agreement  
 32.291 v18.3.0 CR-0508 rev 2 Cat: F (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-237775)

**Decision:** The document was **agreed**.

**S5-237776 Rel-18 CR 32.298 Addition of invocation timestamp in CHF CDR**

*Type: CR For: Agreement  
 32.298 v18.3.0 CR-0960 rev 1 Cat: C (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-236705)

**Decision:** The document was **revised to S5-238086**.

**S5-238086 Rel-18 CR 32.298 Addition of invocation timestamp in CHF CDR**

*Type: CR For: Agreement  
 32.298 v18.3.0 CR-0960 rev 2 Cat: C (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-237776)

**Decision:** The document was **agreed**.

**S5-237777 Rel-18 CR 32.255 Correction of Multiple Unit Usage**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0462 rev 1 Cat: F (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-236713)

**Decision:** The document was **revised to S5-238087**.

**S5-238087 Rel-18 CR 32.255 Correction of Multiple Unit Usage**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0462 rev 2 Cat: F (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-237777)

**Decision:** The document was **agreed**.

**S5-237778 Rel-17 CR 32.255 Correction of LBO CHF selection**

*Type: CR For: Agreement  
 32.255 v17.11.0 CR-0472 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-238088**.

**S5-238088 Rel-17 CR 32.255 Correction of LBO CHF selection**

*Type: CR For: Agreement  
 32.255 v17.11.0 CR-0472 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-237778)

**Decision:** The document was **agreed**.

**S5-237779 Rel-18 CR 32.255 Correction of LBO CHF selection**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0473 Cat: A (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-238089**.

**S5-238089 Rel-18 CR 32.255 Correction of LBO CHF selection**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0473 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-237779)

**Decision:** The document was **agreed**.

**S5-237823 Rel-18 CR 32.291 Correction of tenant identifier**

*Type: CR For: Agreement  
 32.290 v18.3.0 CR-0206 Cat: F (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **not pursued**.

**S5-237838 Discussion paper on triggers in charging stage 2 and stage 3**

*Type: discussion For: Discussion  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-237839 Rel-18 CR 32.291 Update the Trigger Type for IMS Charging**

*Type: CR For: Agreement  
 32.291 v18.3.0 CR-0520 Cat: F (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-238090**.

**S5-238090 Rel-18 CR 32.291 Update the Trigger Type for IMS Charging**

*Type: CR For: Agreement  
 32.291 v18.3.0 CR-0520 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei*

(Replaces S5-237839)

**Decision:** The document was **agreed**.

**S5-237840 Rel-18 CR 32.260 Update on Triggers for IMS charging**

*Type: CR For: Agreement  
 32.260 v18.1.0 CR-0436 Cat: F (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **not pursued**.

**S5-237841 Rel-18 CR 32.256 Update on Triggers for AMF charging**

*Type: CR For: Agreement  
 32.256 v18.1.1 CR-0026 Cat: F (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-238091**.

**S5-238091 Rel-18 CR 32.256 Update on Triggers for AMF charging**

*Type: CR For: Agreement  
 32.256 v18.1.1 CR-0026 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei*

(Replaces S5-237841)

**Decision:** The document was **agreed**.

**S5-237842 Rel-18 CR 32.255 Clarification on message flow of home routed charging**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0446 rev 1 Cat: C (Rel-18)  
  
 Source: Huawei*

(Replaces S5-236610)

**Decision:** The document was **revised to S5-238092**.

**S5-238092 Rel-18 CR 32.255 Clarification on message flow of home routed charging**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0446 rev 2 Cat: F (Rel-18)  
  
 Source: Huawei*

(Replaces S5-237842)

**Decision:** The document was **agreed**.

**S5-237843 Rel-18 CR 32.255 Addition of Roaming Charging Profile Change**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0482 Cat: C (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-238093**.

**S5-238093 Rel-18 CR 32.255 Addition of Roaming Charging Profile Change**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0482 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei*

(Replaces S5-237843)

**Decision:** The document was **agreed**.

**S5-237844 Rel-18 CR 32.255 Addition of 5G Data Connectivity Converged Charging per network slice**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0483 Cat: C (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-238080**.

**S5-238080 Rel-18 CR 32.255 Addition of 5G Data Connectivity Converged Charging per network slice**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0483 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei*

(Replaces S5-237844)

**Decision:** The document was **agreed**.

**S5-237845 Rel-18 CR 32.255 Clarification on EPS to 5GS handover for roaming in Home routed scenario**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0484 Cat: F (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-238094**.

**S5-238094 Rel-18 CR 32.255 Clarification on EPS to 5GS handover for roaming in Home routed scenario**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0484 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei*

(Replaces S5-237845)

**Decision:** The document was **agreed**.

**S5-237846 Rel-17 CR 32.254 Correct the 5G VNGM Charging Information**

*Type: CR For: Agreement  
 32.254 v17.4.0 CR-0041 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-238253**.

**S5-238253 Rel-17 CR 32.254 Correct the 5G VNGM Charging Information**

*Type: CR For: Agreement  
 32.254 v17.4.0 CR-0041 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-237846)

**Decision:** The document was **agreed**.

**S5-237847 Rel-18 CR 32.254 Correct the 5G VNGM Charging Information**

*Type: CR For: Agreement  
 32.254 v18.1.0 CR-0042 Cat: A (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-238254**.

**S5-238254 Rel-18 CR 32.254 Correct the 5G VNGM Charging Information**

*Type: CR For: Agreement  
 32.254 v18.1.0 CR-0042 rev 1 Cat: A (Rel-18)  
  
 Source: Huawei*

(Replaces S5-237847)

**Decision:** The document was **agreed**.

**S5-237848 Rel-17 CR 32.298 Correct the reference and term used for 5G charging**

*Type: CR For: Agreement  
 32.298 v17.8.0 CR-0967 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-238255**.

**S5-238255 Rel-17 CR 32.298 Correct the reference and term used for 5G charging**

*Type: CR For: Agreement  
 32.298 v17.8.0 CR-0967 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-237848)

**Decision:** The document was **agreed**.

**S5-237849 Rel-18 CR 32.298 Correct the reference and term used for 5G charging**

*Type: CR For: Agreement  
 32.298 v18.3.0 CR-0968 Cat: A (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-238256**.

**S5-238256 Rel-18 CR 32.298 Correct the reference and term used for 5G charging**

*Type: CR For: Agreement  
 32.298 v18.3.0 CR-0968 rev 1 Cat: A (Rel-18)  
  
 Source: Huawei*

(Replaces S5-237849)

**Decision:** The document was **agreed**.

**S5-237850 Clarify the reference to CHF to CHF interaction**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0485 Cat: F (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-238257**.

**S5-238257 Clarify the reference to CHF to CHF interaction**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0485 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei*

(Replaces S5-237850)

**Decision:** The document was **agreed**.

**S5-237986 Rel-17 CR 32.291 Update OpenAPI version**

*Type: CR For: Agreement  
 32.291 v17.8.0 CR-0524 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-237987 Rel-18 CR 32.291 Update OpenAPI version**

*Type: CR For: Agreement  
 32.291 v18.3.0 CR-0525 Cat: A (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-238258 Rel-18 CR 32.255 Clarification on roaming charging profile**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0443 rev 2 Cat: F (Rel-18)  
  
 Source: Huawei*

(Replaces S5-237029)

**Decision:** The document was **agreed**.

**S5-238259 Rel-18 CR 32.255 Update the roaming charging profile transfer**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0444 rev 2 Cat: F (Rel-18)  
  
 Source: Huawei*

(Replaces S5-237030)

**Decision:** The document was **agreed**.

**S5-238260 Rel-18 CR 32.255 Clarification on QBC triggers**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0445 rev 2 Cat: F (Rel-18)  
  
 Source: Charging*

(Replaces S5-237031)

**Decision:** The document was **agreed**.

### 7.4 Rel-18 Charging

#### 7.4.1 Charging Aspects of Network Slicing Phase 2

**S5-237456 Rel-18 pCR TS 28.203 Clarify IEC and ECUR scenarios**

*Type: pCR For: Approval  
 28.203 v1.1.0  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-237996**.

**S5-237996 Rel-18 pCR TS 28.203 Clarify IEC and ECUR scenarios**

*Type: pCR For: Approval  
 28.203 v1.1.0  
 Source: MATRIXX Software*

(Replaces S5-237456)

**Decision:** The document was **approved**.

**S5-237457 Rel-18 pCR TS 28.203 Addition of ECUR in triggers table**

*Type: pCR For: Approval  
 28.203 v1.1.0  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-237997**.

**S5-237997 Rel-18 pCR TS 28.203 Addition of ECUR in triggers table**

*Type: pCR For: Approval  
 28.203 v1.1.0  
 Source: MATRIXX Software*

(Replaces S5-237457)

**Decision:** The document was **approved**.

**S5-237458 Rel-18 pCR TS 28.203 Clarify Quota management description**

*Type: pCR For: Approval  
 28.203 v1.1.0  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-238000**.

**S5-238000 Rel-18 pCR TS 28.203 Clarify Quota management description**

*Type: pCR For: Approval  
 28.203 v1.1.0  
 Source: MATRIXX Software*

(Replaces S5-237458)

**Decision:** The document was **approved**.

**S5-237529 Addition of CHF-CHF architecture to support Network Slice Charging**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0468 Cat: B (Rel-18)  
  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-238002**.

**S5-238002 Addition of CHF-CHF architecture to support Network Slice Charging**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0468 rev 1 Cat: B (Rel-18)  
  
 Source: MATRIXX Software*

(Replaces S5-237529)

**Decision:** The document was **agreed**.

**S5-237851 Rel-18 pCR 28.203 Update Charging principle for NSACF Charging**

*Type: pCR For: Approval  
 28.203 v1.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-237999**.

**S5-237999 Rel-18 pCR 28.203 Update Charging principle for NSACF Charging**

*Type: pCR For: Approval  
 28.203 v1.1.0  
 Source: Huawei*

(Replaces S5-237851)

**Decision:** The document was **approved**.

**S5-237852 Rel-18 pCR 28.203 Clarification on the quota management**

*Type: pCR For: Approval  
 28.203 v1.1.0  
 Source: Huawei*

**Decision:** The document was **merged**.

**S5-237853 Rel-18 pCR 28.203 Clarification on the reporting in charging data message**

*Type: pCR For: Approval  
 28.203 v1.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-238001**.

**S5-238001 Rel-18 pCR 28.203 Clarification on the reporting in charging data message**

*Type: pCR For: Approval  
 28.203 v1.1.0  
 Source: Huawei*

(Replaces S5-237853)

**Decision:** The document was **approved**.

**S5-237854 Rel-18 pCR 28.203 Update for the event based charging**

*Type: pCR For: Approval  
 28.203 v1.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-237998**.

**S5-237998 Rel-18 pCR 28.203 Update for the event based charging**

*Type: pCR For: Approval  
 28.203 v1.1.0  
 Source: Huawei*

(Replaces S5-237854)

**Decision:** The document was **approved**.

**S5-237977 Draft TS 28.203**

*Type: draft TS For: Approval  
 28.203 v1.2.0  
 Source: MATRIXX Software*

**Decision:** The document was **approved**.

**S5-237985 Revised WID on Charging Aspects of Network Slicing Phase 2**

*Type: WID revised For: Agreement  
 Source: MATRIXX Software*

**Decision:** The document was **agreed**.

#### 7.4.2 Charging Aspects for NSSAA

**S5-237450 Rel-18 pCR TS 28.204 Introduction of CHF selection**

*Type: pCR For: Approval  
 28.204 v0.4.0  
 Source: MATRIXX Software*

**Decision:** The document was **approved**.

**S5-237451 Rel-18 pCR TS 28.204 Introduction of CDR description**

*Type: pCR For: Approval  
 28.204 v0.4.0  
 Source: MATRIXX Software*

**Decision:** The document was **approved**.

**S5-237452 Rel-18 pCR TS 28.204 Introduction of Detailed message format for converged charging**

*Type: pCR For: Approval  
 28.204 v0.4.0  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-238003**.

**S5-238003 Rel-18 pCR TS 28.204 Introduction of Detailed message format for converged charging**

*Type: pCR For: Approval  
 28.204 v0.4.0  
 Source: MATRIXX Software*

(Replaces S5-237452)

**Decision:** The document was **approved**.

**S5-237453 Rel-18 pCR TS 28.204 Introduction of Formal Network slice-specific authentication charging parameter description**

*Type: pCR For: Approval  
 28.204 v0.4.0  
 Source: MATRIXX Software*

**Decision:** The document was **approved**.

**S5-237454 Rel-18 pCR TS 28.204 Introduction of Bindings for NS-specific authentication and authorization converged charging**

*Type: pCR For: Approval  
 28.204 v0.4.0  
 Source: MATRIXX Software*

**Decision:** The document was **approved**.

**S5-237455 Presentation of TS 28.204 to SA#102**

*Type: TS or TR cover For: Information  
 28.204 v0.4.0  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-238004**.

**S5-238004 Presentation of TS 28.204 to SA#102**

*Type: TS or TR cover For: Information  
 28.204 v0.4.0  
 Source: MATRIXX Software*

(Replaces S5-237455)

**Decision:** The document was **approved**.

**S5-237528 Rel-18 pCR TS 28.204 Refinement on charging information**

*Type: pCR For: Approval  
 28.204 v0.4.0  
 Source: MATRIXX Software*

**Decision:** The document was **approved**.

**S5-237978 Draft TS 28.204**

*Type: draft TS For: discussion  
 28.204 v0.5.0  
 Source: MATRIXX Software*

**Decision:** The document was **approved**.

#### 7.4.3 Charging Aspects for Enhanced Support of Non-Public Networks

**S5-237855 Rel-18 CR 32.255 Addition of the Architecture considerations for NPN charging**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0486 Cat: B (Rel-18)  
  
 Source: Huawei, China Mobile*

**Decision:** The document was **revised to S5-238017**.

**S5-238017 Rel-18 CR 32.255 Addition of the Architecture considerations for NPN charging**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0486 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, China Mobile*

(Replaces S5-237855)

**Decision:** The document was **agreed**.

#### 7.4.4 Charging Aspects of IMS Data Channel

#### 7.4.5 Charging Aspects for SMF and MB-SMF to Support 5G Multicast-broadcast Services

**S5-237753 Remove MBS session charging information**

*Type: CR For: Approval  
 32.255 v18.1.0 CR-0471 Cat: F (Rel-18)  
  
 Source: China Mobile Com. Corporation, Huawei*

**Decision:** The document was **revised to S5-238018**.

**S5-238018 Remove MBS session charging information**

*Type: CR For: Approval  
 32.255 v18.1.0 CR-0471 rev 1 Cat: F (Rel-18)  
  
 Source: China Mobile Com. Corporation, Huawei*

(Replaces S5-237753)

**Decision:** The document was **agreed**.

**S5-237756 Rel-18 pCR 32.27x Add MBS session charging information**

*Type: other For: Approval  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-238024**.

**S5-238024 Rel-18 pCR 32.27x Add MBS session charging information**

*Type: other For: Approval  
 Source: China Mobile Com. Corporation*

(Replaces S5-237756)

**Decision:** The document was **approved**.

**S5-237803 Rel-18 pCR 32.27x Add scope**

*Type: other For: Approval  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-238019**.

**S5-238019 Rel-18 pCR 32.27x Add scope**

*Type: other For: Approval  
 Source: China Mobile Com. Corporation*

(Replaces S5-237803)

**Decision:** The document was **agreed**.

**S5-237805 Rel-18 pCR 32.27x Add references**

*Type: other For: Approval  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-238020**.

**S5-238020 Rel-18 pCR 32.27x Add references**

*Type: other For: Approval  
 Source: China Mobile Com. Corporation*

(Replaces S5-237805)

**Decision:** The document was **agreed**.

**S5-237806 Rel-18 pCR 32.27x Add definitions of terms, symbols and abbreviations**

*Type: other For: Approval  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-238021**.

**S5-238021 Rel-18 pCR 32.27x Add definitions of terms, symbols and abbreviations**

*Type: other For: Approval  
 Source: China Mobile Com. Corporation*

(Replaces S5-237806)

**Decision:** The document was **agreed**.

**S5-237807 Rel-18 pCR 32.27x Add general information for 5MBS charging**

*Type: other For: Approval  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **approved**.

**S5-238023 Rel-18 pCR 32.27x Add general information for 5MBS charging**

*Type: other For: Approval  
 Source: China Mobile Com. Corporation*

(Replaces S5-237807)

**Decision:** The document was **approved**.

**S5-237808 Rel-18 pCR 32.27x Add Bmbs interface information**

*Type: other For: (not specified)  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-238025**.

**S5-238025 Rel-18 pCR 32.27x Add Bmbs interface information**

*Type: other For: -  
 Source: China Mobile Com. Corporation*

(Replaces S5-237808)

**Decision:** The document was **approved**.

**S5-237810 Rel-18 pCR 32.27x Add Ga interface information**

*Type: other For: Approval  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-238026**.

**S5-238026 Rel-18 pCR 32.27x Add Ga interface information**

*Type: other For: Approval  
 Source: China Mobile Com. Corporation*

(Replaces S5-237810)

**Decision:** The document was **approved**.

**S5-237856 CR TS 32.291 Support of MBS charging in 5G data connectivity domain charging in Stage 3**

*Type: CR For: Agreement  
 32.291 v18.3.0 CR-0521 Cat: B (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-238027**.

**S5-238027 CR TS 32.291 Support of MBS charging in 5G data connectivity domain charging in Stage 3**

*Type: CR For: Agreement  
 32.291 v18.3.0 CR-0521 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei*

(Replaces S5-237856)

**Decision:** The document was **agreed**.

**S5-237857 CR TS 32.291 Support of 5G Multicast-broadcast Services charging in Stage 3**

*Type: CR For: Agreement  
 32.291 v18.3.0 CR-0522 Cat: B (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **not pursued**.

**S5-238028 CR TS 32.291 Support of 5G Multicast-broadcast Services charging in Stage 3**

*Type: CR For: Agreement  
 32.291 v18.3.0 CR-0522 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **withdrawn**.

**S5-237954 Rel-18 pCR TR 32.27x MBS Termination Trigger**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**S5-237956 Rel-18 pCR TR 32.27x MBS Charging Principles**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-238022**.

**S5-238022 Rel-18 pCR TR 32.27x MBS Charging Principles**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-237956)

**Decision:** The document was **approved**.

**S5-237979 Draft TS 32.27x**

*Type: other For: Approval  
 Source: China Mobile*

**Decision:** The document was **approved**.

**S5-238029 TS 32.27x Presentation for Information**

*Type: other For: Approval  
 Source: China Mobile*

**Decision:** The document was **approved**.

#### 7.4.6 Charging Aspects of TSN

**S5-237858 Presentation of TS 32.282 for information and approval**

*Type: TS or TR cover For: Approval  
 32.282 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-238015**.

**S5-238015 Presentation of TS 32.282 for information and approval**

*Type: TS or TR cover For: Approval  
 32.282 v0.1.0  
 Source: Huawei*

(Replaces S5-237858)

**Decision:** The document was **approved**.

**S5-237859 Rel-18 pCR 32.282 Add message flows for 5GS bridge configuration and management charging**

*Type: pCR For: Approval  
 32.282 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-238005**.

**S5-238005 Rel-18 pCR 32.282 Add message flows for 5GS bridge configuration and management charging**

*Type: pCR For: Approval  
 32.282 v0.1.0  
 Source: Huawei*

(Replaces S5-237859)

**Decision:** The document was **approved**.

**S5-237860 Rel-18 pCR 32.282 Add message flows for time synchronization service charging**

*Type: pCR For: Approval  
 32.282 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-238006**.

**S5-238006 Rel-18 pCR 32.282 Add message flows for time synchronization service charging**

*Type: pCR For: Approval  
 32.282 v0.1.0  
 Source: Huawei*

(Replaces S5-237860)

**Decision:** The document was **approved**.

**S5-237861 Rel-18 pCR 32.282 Add message flows for QoS and TSC assistance service charging**

*Type: pCR For: Approval  
 32.282 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-238007**.

**S5-238007 Rel-18 pCR 32.282 Add message flows for QoS and TSC assistance service charging**

*Type: pCR For: Approval  
 32.282 v0.1.0  
 Source: Huawei*

(Replaces S5-237861)

**Decision:** The document was **approved**.

**S5-237862 Rel-18 pCR 32.282 Add message flows for TSC and TS service notification charging**

*Type: pCR For: Approval  
 32.282 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-238008**.

**S5-238008 Rel-18 pCR 32.282 Add message flows for TSC and TS service notification charging**

*Type: pCR For: Approval  
 32.282 v0.1.0  
 Source: Huawei*

(Replaces S5-237862)

**Decision:** The document was **approved**.

**S5-237863 Rel-18 pCR 32.282 Update CDR generation, record transfer and file transfer in charging scenarios**

*Type: pCR For: Approval  
 32.282 v0.1.0  
 Source: Huawei*

**Decision:** The document was **approved**.

**S5-237864 Rel-18 pCR 32.282 Add the charging data request and response massage**

*Type: pCR For: Approval  
 32.282 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-238009**.

**S5-238009 Rel-18 pCR 32.282 Add the charging data request and response massage**

*Type: pCR For: Approval  
 32.282 v0.1.0  
 Source: Huawei*

(Replaces S5-237864)

**Decision:** The document was **approved**.

**S5-237865 Rel-18 pCR 32.282 Add the TSN charging CHF record data**

*Type: pCR For: Approval  
 32.282 v0.1.0  
 Source: Huawei*

**Decision:** The document was **approved**.

**S5-237866 Rel-18 pCR 32.282 Define the structure of TSN Charging Information**

*Type: pCR For: Approval  
 32.282 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-238010**.

**S5-238010 Rel-18 pCR 32.282 Define the structure of TSN Charging Information**

*Type: pCR For: Approval  
 32.282 v0.1.0  
 Source: Huawei*

(Replaces S5-237866)

**Decision:** The document was **approved**.

**S5-237867 Rel-18 pCR 32.282 Define the information for 5GS bridge configuration and management**

*Type: pCR For: Approval  
 32.282 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-238011**.

**S5-238011 Rel-18 pCR 32.282 Define the information for 5GS bridge configuration and management**

*Type: pCR For: Approval  
 32.282 v0.1.0  
 Source: Huawei*

(Replaces S5-237867)

**Decision:** The document was **approved**.

**S5-237868 Rel-18 pCR 32.282 Define the information for time synchronization service**

*Type: pCR For: Approval  
 32.282 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-238012**.

**S5-238012 Rel-18 pCR 32.282 Define the information for time synchronization service**

*Type: pCR For: Approval  
 32.282 v0.1.0  
 Source: Huawei*

(Replaces S5-237868)

**Decision:** The document was **approved**.

**S5-237869 Rel-18 pCR 32.282 Add the TSN charging parameter description, message format and binding**

*Type: pCR For: Approval  
 32.282 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-238013**.

**S5-238013 Rel-18 pCR 32.282 Add the TSN charging parameter description, message format and binding**

*Type: pCR For: Approval  
 32.282 v0.1.0  
 Source: Huawei*

(Replaces S5-237869)

**Decision:** The document was **approved**.

**S5-237870 Rel-18 pCR 32.282 Update TSN charging information in charging principles**

*Type: pCR For: Approval  
 32.282 v0.1.0  
 Source: Huawei*

**Decision:** The document was **approved**.

**S5-237871 Rel-18 CR 32.254 Add charging support for TSN service**

*Type: CR For: Agreement  
 32.254 v18.1.0 CR-0043 Cat: B (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-238014**.

**S5-238014 Rel-18 CR 32.254 Add charging support for TSN service**

*Type: CR For: Agreement  
 32.254 v18.1.0 CR-0043 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei*

(Replaces S5-237871)

**Decision:** The document was **agreed**.

**S5-237980 Draft TS 32.282**

*Type: draft TS For: Approval  
 32.282 v0.2.0  
 Source: Huawei*

**Decision:** The document was **approved**.

#### 7.4.7 Charging Aspects of B2B

**S5-237525 Add a new clause for CHF to CHF to support B2B charging - architecture**

*Type: CR For: Agreement  
 32.290 v18.3.0 CR-0204 Cat: B (Rel-18)  
  
 Source: MATRIXX Software*

**Decision:** The document was **not pursued**.

**S5-237526 Discussion paper on Reference points for CHF to CHF**

*Type: discussion For: Agreement  
 Source: MATRIXX Software*

**Decision:** The document was **noted**.

**S5-237527 Discussion paper on CHF to CHF description**

*Type: discussion For: Agreement  
 Source: MATRIXX Software*

**Decision:** The document was **noted**.

**S5-237780 Rel-18 CR 32.240 Addition of business CHF via consumer CHF**

*Type: CR For: Agreement  
 32.240 v18.4.0 CR-0477 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-238016**.

**S5-238016 Rel-18 CR 32.240 Addition of business CHF via consumer CHF**

*Type: CR For: Agreement  
 32.240 v18.4.0 CR-0477 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-237780)

**Decision:** The document was **agreed**.

#### 7.4.8 Charging Aspects of 5WWC phase 2

**S5-237656 Discussion paper on charging requirements for 5WWC phase 2**

*Type: discussion For: Endorsement  
 Source: China Unicom, Huawei*

**Decision:** The document was **noted**.

**S5-237657 R18 CR 32.255 Add clarification text for use of UE behind the RGs**

*Type: CR For: Approval  
 32.255 v18.1.0 CR-0470 Cat: B (Rel-18)  
  
 Source: China Unicom, Huawei*

**Decision:** The document was **revised to S5-238030**.

**S5-238030 R18 CR 32.255 Add clarification text for use of UE behind the RGs**

*Type: CR For: Approval  
 32.255 v18.1.0 CR-0470 rev 1 Cat: B (Rel-18)  
  
 Source: China Unicom, Huawei*

(Replaces S5-237657)

**Decision:** The document was **agreed**.

#### 7.4.9 Charging for roaming and additional actor using CHF to CHF interface

**S5-237781 Rel-18 CR 32.256 Addition of CHF selection by H-CHF**

*Type: CR For: Agreement  
 32.256 v18.1.1 CR-0023 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-238032**.

**S5-238032 Rel-18 CR 32.256 Addition of CHF selection by H-CHF**

*Type: CR For: Agreement  
 32.256 v18.1.1 CR-0023 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-237781)

**Decision:** The document was **agreed**.

**S5-237782 Rel-18 CR 32.256 Addition of CHF to CHF flow**

*Type: CR For: Agreement  
 32.256 v18.1.1 CR-0024 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-238033**.

**S5-238033 Rel-18 CR 32.256 Addition of CHF to CHF flow**

*Type: CR For: Agreement  
 32.256 v18.1.1 CR-0024 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-237782)

**Decision:** The document was **agreed**.

**S5-237783 Rel-18 CR 32.256 Addition of CHF information**

*Type: CR For: Agreement  
 32.256 v18.1.1 CR-0025 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-238034**.

**S5-238034 Rel-18 CR 32.256 Addition of CHF information**

*Type: CR For: Agreement  
 32.256 v18.1.1 CR-0025 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-237783)

**Decision:** The document was **agreed**.

**S5-237784 Rel-18 CR 32.255 Addition of CHF selection by H-CHF**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0474 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **merged**.

**S5-237785 Rel-18 CR 32.255 Addition of CHF to CHF roaming charging profile**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0475 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-238037**.

**S5-238037 Rel-18 CR 32.255 Addition of CHF to CHF roaming charging profile**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0475 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-237785)

**Decision:** The document was **agreed**.

**S5-237786 Rel-18 CR 32.255 Addition of CHF to CHF flow**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0476 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-238042**.

**S5-238042 Rel-18 CR 32.255 Addition of CHF to CHF flow**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0476 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-237786)

**Decision:** The document was **agreed**.

**S5-237787 Rel-18 CR 32.255 Addition of CHF information**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0477 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-238043**.

**S5-238043 Rel-18 CR 32.255 Addition of CHF information**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0477 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-237787)

**Decision:** The document was **agreed**.

**S5-237872 Rel-18 CR 32.255 Clarify the selection of two LBO roaming architectures**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0487 Cat: B (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-238035**.

**S5-238035 Rel-18 CR 32.255 Clarify the selection of two LBO roaming architectures**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0487 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei*

(Replaces S5-237872)

**Decision:** The document was **agreed**.

**S5-237873 Rel-18 CR 32.256 Clarify the selection of two LBO roaming architectures**

*Type: CR For: Agreement  
 32.256 v18.1.1 CR-0027 Cat: B (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-238031**.

**S5-238031 Rel-18 CR 32.256 Clarify the selection of two LBO roaming architectures**

*Type: CR For: Agreement  
 32.256 v18.1.1 CR-0027 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei*

(Replaces S5-237873)

**Decision:** The document was **agreed**.

**S5-237874 Rel-18 CR 32.255 Add CHF to CHF interaction principle for LBO roaming**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0488 Cat: B (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-238036**.

**S5-238036 Rel-18 CR 32.255 Add CHF to CHF interaction principle for LBO roaming**

*Type: CR For: Agreement  
 32.255 v18.1.0 CR-0488 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei*

(Replaces S5-237874)

**Decision:** The document was **agreed**.

**S5-237875 Rel-18 CR 32.290 Add CHF to CHF interaction failure handling**

*Type: CR For: Agreement  
 32.290 v18.3.0 CR-0207 Cat: B (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-238044**.

**S5-238044 Rel-18 CR 32.290 Add CHF to CHF interaction failure handling**

*Type: CR For: Agreement  
 32.290 v18.3.0 CR-0207 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei*

(Replaces S5-237875)

**Decision:** The document was **agreed**.

**S5-237876 Rel-18 CR 32.290 Quota mangement for CHF to CHF communication**

*Type: CR For: Agreement  
 32.290 v18.3.0 CR-0202 rev 2 Cat: B (Rel-18)  
  
 Source: Huawei*

(Replaces S5-236634)

**Decision:** The document was **revised to S5-238045**.

**S5-238045 Rel-18 CR 32.290 Quota mangement for CHF to CHF communication**

*Type: CR For: Agreement  
 32.290 v18.3.0 CR-0202 rev 3 Cat: B (Rel-18)  
  
 Source: Huawei*

(Replaces S5-237876)

**Decision:** The document was **agreed**.

#### 7.4.10 Charging aspects of Satellite Access in 5GS

**S5-237878 Add charging requirements for satellite access charging**

*Type: CR For: Approval  
 32.255 v18.1.0 CR-0489 Cat: B (Rel-18)  
  
 Source: CATT*

**Abstract:**

For the support of satellite access charging, the charging requirements for satellite access charging should be added.

**Decision:** The document was **revised to S5-238057**.

**S5-238057 Add charging requirements for satellite access charging**

*Type: CR For: Approval  
 32.255 v18.1.0 CR-0489 rev 1 Cat: B (Rel-18)  
  
 Source: CATT*

(Replaces S5-237878)

**Decision:** The document was **agreed**.

**S5-237879 Add satellite indication for satellite charging**

*Type: CR For: Approval  
 32.290 v18.3.0 CR-0208 Cat: B (Rel-18)  
  
 Source: CATT*

**Abstract:**

For the support of satellite charging, add satellite indication for satellite charging.

**Decision:** The document was **not pursued**.

**S5-237880 Add satellite feature for satellite access charging**

*Type: CR For: Approval  
 32.291 v18.3.0 CR-0523 Cat: B (Rel-18)  
  
 Source: CATT*

**Abstract:**

Add the feature of satellite access charging.

**Decision:** The document was **revised to S5-238058**.

**S5-238058 Add satellite feature for satellite access charging**

*Type: CR For: Approval  
 32.291 v18.3.0 CR-0523 rev 1 Cat: B (Rel-18)  
  
 Source: CATT*

(Replaces S5-237880)

**Decision:** The document was **agreed**.

### 7.5 Charging studies

#### 7.5.1 Study on Nchf charging services phase 2

**S5-237459 Rel-18 pCR 28.826 Introduce one Solution for common IEs with clause 6 evaluation and conclusion**

*Type: pCR For: Approval  
 28.826 v1.7.0  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-238039**.

**S5-238039 Rel-18 pCR 28.826 Introduce one Solution for common IEs with clause 6 evaluation and conclusion**

*Type: pCR For: Approval  
 28.826 v1.7.0  
 Source: MATRIXX Software*

(Replaces S5-237459)

**Decision:** The document was **agreed**.

**S5-237573 Rel-18 pCR TR 28.826 Update of evaluation and conclusions clause 5.1**

*Type: pCR For: Approval  
 28.826 v1.7.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **merged**.

**S5-237575 Rel-18 pCR TR 28.826 Update of evaluation and conclusions clause 5.3**

*Type: pCR For: Approval  
 28.826 v1.7.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **merged**.

**S5-237788 Rel-18 pCR 28.826 Removal of editor's note solution 1.21**

*Type: pCR For: Approval  
 28.826 v1.7.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-238038**.

**S5-238038 Rel-18 pCR 28.826 Removal of editor's note solution 1.21**

*Type: pCR For: Approval  
 28.826 v1.7.0  
 Source: Ericsson LM*

(Replaces S5-237788)

**Decision:** The document was **approved**.

**S5-237789 Rel-18 pCR 28.826 Addition of solution for documentation**

*Type: pCR For: Approval  
 28.826 v1.7.0  
 Source: Ericsson LM*

**Decision:** The document was **merged**.

**S5-237790 Rel-18 pCR 28.826 Study conclusion and recommendations**

*Type: pCR For: Approval  
 28.826 v1.7.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-238040**.

**S5-238040 Rel-18 pCR 28.826 Study conclusion and recommendations**

*Type: pCR For: Approval  
 28.826 v1.7.0  
 Source: Ericsson LM*

(Replaces S5-237790)

**Decision:** The document was **approved**.

**S5-237981 Draft TR 28.826**

*Type: draft TR For: Approval  
 28.826 v1.8.0  
 Source: Ericsson*

**Decision:** The document was **approved**.

**S5-238041 TR 28.826 Presentation for approval**

*Type: TS or TR cover For: Approval  
 28.826 v..  
 Source: Ericsson*

**Decision:** The document was **approved**.

#### 7.5.2 Study on CHF Segmentation

**S5-237473 Adding Key Issue for Topic 4**

*Type: pCR For: Approval  
 28.840 v0.5.0  
 Source: Amdocs, Nokia, Nokia Shanghai Bell*

**Abstract:**

This pCR is to add a new Key Issue for the study topic for CHF selection by Charging Domain.

**Decision:** The document was **revised to S5-238051**.

**S5-238051 Adding Key Issue for Topic 4**

*Type: pCR For: Approval  
 28.840 v0.5.0  
 Source: Amdocs, Nokia, Nokia Shanghai Bell*

(Replaces S5-237473)

**Decision:** The document was **approved**.

**S5-237475 Solution for Topic 4 key Issue 4b and 4d**

*Type: pCR For: Approval  
 28.840 v0.5.0  
 Source: Amdocs, Nokia, Nokia Shanghai Bell*

**Abstract:**

This pCR is to propose a solution for the study topic for CHF selection by Charging Domain.

**Decision:** The document was **revised to S5-238053**.

**S5-238053 Solution for Topic 4 key Issue 4b and 4d**

*Type: pCR For: Approval  
 28.840 v0.5.0  
 Source: Amdocs, Nokia, Nokia Shanghai Bell*

(Replaces S5-237475)

**Decision:** The document was **approved**.

**S5-237476 Charging Domain in Nchf Converged Charging SBI**

*Type: pCR For: (not specified)  
 28.840 v0.5.0  
 Source: Amdocs, Nokia, Nokia Shanghai Bell*

**Abstract:**

This pCR is to propose a solution for the study topic for CHF selection by Charging Domain.

**Decision:** The document was **revised to S5-238054**.

**S5-238054 Charging Domain in Nchf Converged Charging SBI**

*Type: pCR For: -  
 28.840 v0.5.0  
 Source: Amdocs, Nokia, Nokia Shanghai Bell*

(Replaces S5-237476)

**Decision:** The document was **approved**.

**S5-237477 HTTP2 Header Based Routing**

*Type: pCR For: (not specified)  
 28.840 v0.5.0  
 Source: Amdocs, Nokia, Nokia Shanghai Bell*

**Abstract:**

This pCR is to propose a solution for the study topic for CHF selection by Charging Domain.

**Decision:** The document was **revised to S5-238055**.

**S5-238055 HTTP2 Header Based Routing**

*Type: pCR For: -  
 28.840 v0.5.0  
 Source: Amdocs, Nokia, Nokia Shanghai Bell*

(Replaces S5-237477)

**Decision:** The document was **approved**.

**S5-237478 Solution for Topic 4 Key Issue 4a**

*Type: pCR For: (not specified)  
 28.840 v0.5.0  
 Source: Amdocs Software Systems Ltd*

**Abstract:**

This pCR is to propose a solution for the study topic for CHF selection by Charging Domain.

**Decision:** The document was **revised to S5-238052**.

**S5-238052 Solution for Topic 4 Key Issue 4a**

*Type: pCR For: -  
 28.840 v0.5.0  
 Source: Amdocs Software Systems Ltd*

(Replaces S5-237478)

**Decision:** The document was **approved**.

**S5-237567 Rel-18 pCR TR 28.840 Abreviations section update**

*Type: pCR For: Approval  
 28.840 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell, Amdocs*

**Decision:** The document was **approved**.

**S5-237568 Rel-18 pCR TR 28.840 Editorial Correction**

*Type: pCR For: Approval  
 28.840 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell, Amdocs*

**Decision:** The document was **revised to S5-238046**.

**S5-238046 Rel-18 pCR TR 28.840 Editorial Correction**

*Type: pCR For: Approval  
 28.840 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell, Amdocs*

(Replaces S5-237568)

**Decision:** The document was **approved**.

**S5-237569 Rel-18 pCR TR 28.840 Solutions Evaluation Topci#1**

*Type: pCR For: Approval  
 28.840 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell, Amdocs*

**Decision:** The document was **revised to S5-238048**.

**S5-238048 Rel-18 pCR TR 28.840 Solutions Evaluation Topci#1**

*Type: pCR For: Approval  
 28.840 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell, Amdocs*

(Replaces S5-237569)

**Decision:** The document was **approved**.

**S5-237570 Rel-18 pCR TR 28.840 Solutions Evaluation Topic#2**

*Type: pCR For: Approval  
 28.840 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell, Amdocs*

**Decision:** The document was **revised to S5-238049**.

**S5-238049 Rel-18 pCR TR 28.840 Solutions Evaluation Topic#2**

*Type: pCR For: Approval  
 28.840 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell, Amdocs*

(Replaces S5-237570)

**Decision:** The document was **approved**.

**S5-237572 Rel-18 pCR TR 28.840 Topic #3 for CHF Selection**

*Type: pCR For: Approval  
 28.840 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell, Amdocs*

**Decision:** The document was **revised to S5-238050**.

**S5-238050 Rel-18 pCR TR 28.840 Topic #3 for CHF Selection**

*Type: pCR For: Approval  
 28.840 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell, Amdocs*

(Replaces S5-237572)

**Decision:** The document was **approved**.

**S5-237791 Rel-18 pCR 28.840 Addition of solution for CHF Selection by NF Consumers Information**

*Type: pCR For: Approval  
 28.840 v0.5.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-238047**.

**S5-238047 Rel-18 pCR 28.840 Addition of solution for CHF Selection by NF Consumers Information**

*Type: pCR For: Approval  
 28.840 v0.5.0  
 Source: Ericsson LM*

(Replaces S5-237791)

**Decision:** The document was **approved**.

**S5-237792 Rel-18 pCR 28.840 Addition of solution for CHF Selection based on SUPI or Group ID**

*Type: pCR For: Approval  
 28.840 v0.5.0  
 Source: Ericsson LM*

**Decision:** The document was **approved**.

**S5-237793 Rel-18 pCR 28.840 Update of solution 4.1 Use NF type and CHF to CHF**

*Type: pCR For: Approval  
 28.840 v0.5.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-238056**.

**S5-238056 Rel-18 pCR 28.840 Update of solution 4.1 Use NF type and CHF to CHF**

*Type: pCR For: Approval  
 28.840 v0.5.0  
 Source: Ericsson LM*

(Replaces S5-237793)

**Decision:** The document was **approved**.

**S5-237794 Rel-18 pCR 28.840 Addition of solution 4 Use NF type and SCP**

*Type: pCR For: Approval  
 28.840 v0.5.0  
 Source: Ericsson LM*

**Decision:** The document was **approved**.

**S5-237795 Rel-18 pCR 28.840 Addition of solution 4 Use NF type and CHF redirect**

*Type: pCR For: Approval  
 28.840 v0.5.0  
 Source: Ericsson LM*

**Decision:** The document was **approved**.

**S5-237877 Rel-18 pCR 28.840 Resolve EN in solution #1.4 for CHF selection by NF instance**

*Type: pCR For: Approval  
 28.840 v0.5.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-237982 Draft TR 28.840**

*Type: draft TR For: Approval  
 28.840 v0.6.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **approved**.

#### 7.5.3 Study on charging aspects of Satellite in 5GS

**S5-237881 TR 28.844 Rapporteur cleanup**

*Type: pCR For: Approval  
 28.844 v1.1.0  
 Source: CATT*

**Abstract:**

The group is asked to discuss and agree on the proposal

**Decision:** The document was **revised to S5-238059**.

**S5-238059 TR 28.844 Rapporteur cleanup**

*Type: pCR For: Approval  
 28.844 v1.1.0  
 Source: CATT*

(Replaces S5-237881)

**Decision:** The document was **approved**.

**S5-237983 Draft TR 28.844**

*Type: draft TR For: Approval  
 28.844 v1.2.0  
 Source: CATT*

**Decision:** The document was **approved**.

#### 7.5.4 Study on Charging Aspects of Ranging and Sidelink Positioning

**S5-237663 Rel-18 pCR TR 28.845 Update Solution for 5GS charging of Ranging Sidelink Positioning UE Discovery**

*Type: pCR For: Approval  
 28.845 v0.2.0  
 Source: China Telecom*

**Decision:** The document was **revised to S5-238064**.

**S5-238064 Rel-18 pCR TR 28.845 Update Solution for 5GS charging of Ranging Sidelink Positioning UE Discovery**

*Type: pCR For: Approval  
 28.845 v0.2.0  
 Source: China Telecom*

(Replaces S5-237663)

**Decision:** The document was **approved**.

**S5-237664 Rel-18 pCR TR 28.845 Update Solution for 5GS charging of UE positioning assisted by Sidelink Positioning and involving 5GC**

*Type: pCR For: Approval  
 28.845 v0.2.0  
 Source: China Telecom*

**Decision:** The document was **approved**.

**S5-237665 Rel-18 pCR TR 28.845 Update Solution for 5GS charging of UE only Sidelink Positioning for Target UE using Located UE**

*Type: pCR For: Approval  
 28.845 v0.2.0  
 Source: China Telecom*

**Decision:** The document was **revised to S5-238065**.

**S5-238065 Rel-18 pCR TR 28.845 Update Solution for 5GS charging of UE only Sidelink Positioning for Target UE using Located UE**

*Type: pCR For: Approval  
 28.845 v0.2.0  
 Source: China Telecom*

(Replaces S5-237665)

**Decision:** The document was **approved**.

**S5-237668 Rel-18 pCR TR 28.845 Update Solution for 5GS charging of Ranging SL Positioning service exposure**

*Type: pCR For: Approval  
 28.845 v0.2.0  
 Source: China Telecom*

**Decision:** The document was **revised to S5-238066**.

**S5-238066 Rel-18 pCR TR 28.845 Update Solution for 5GS charging of Ranging SL Positioning service exposure**

*Type: pCR For: Approval  
 28.845 v0.2.0  
 Source: China Telecom*

(Replaces S5-237668)

**Decision:** The document was **approved**.

**S5-237669 Rel-18 pCR TR 28.845 Add Evaluation and Conclusion for 5GS charging of Ranging Sidelink Positioning UE Discovery**

*Type: pCR For: Approval  
 28.845 v0.2.0  
 Source: China Telecom*

**Decision:** The document was **revised to S5-238067**.

**S5-238067 Rel-18 pCR TR 28.845 Add Evaluation and Conclusion for 5GS charging of Ranging Sidelink Positioning UE Discovery**

*Type: pCR For: Approval  
 28.845 v0.2.0  
 Source: China Telecom*

(Replaces S5-237669)

**Decision:** The document was **approved**.

**S5-237670 Rel-18 pCR TR 28.845 Add Evaluation and Conclusion for 5GS charging of UE positioning assisted by Sidelink Positioning and involving 5GC**

*Type: pCR For: Approval  
 28.845 v0.2.0  
 Source: China Telecom*

**Decision:** The document was **approved**.

**S5-237671 Rel-18 pCR TR 28.845 Add Evaluation and Conclusion for 5GS charging of UE only Sidelink Positioning for Target UE using Located UE**

*Type: pCR For: Approval  
 28.845 v0.2.0  
 Source: China Telecom*

**Decision:** The document was **revised to S5-238068**.

**S5-238068 Rel-18 pCR TR 28.845 Add Evaluation and Conclusion for 5GS charging of UE only Sidelink Positioning for Target UE using Located UE**

*Type: pCR For: Approval  
 28.845 v0.2.0  
 Source: China Telecom*

(Replaces S5-237671)

**Decision:** The document was **approved**.

**S5-237984 Draft TR 28.845**

*Type: draft TR For: Approval  
 28.845 v0.3.0  
 Source: China Telecom*

**Decision:** The document was **approved**.

**S5-238069 Presentation of TR 28.845 for Information**

*Type: TS or TR cover For: Approval  
 28.845 v..  
 Source: China Telecom*

**Decision:** The document was **approved**.

## 8 Any Other Business

This was the last meeting for the technical officer Mirko Cano (ETSI/MCC). After almost 12 years supporting SA5 it was time for him to move on. The delegates gave him some very nice gifts to congratulate him for his new endeavors and thank him for the support during all those years. Mirko thanked the SA5 leadership for valuing his opinion and listening to his feedback and suggestions, and to the delegates for their kindness and patience since the beginning. Some pictures were shown from his fist meeting in San Jose de los Cabos, February 2012, where everybody looked remarkably young.

It's been a pleasure travelling with you and supporting your meetings, if you are reading this ;-)

## 9 Closing of the meeting

The SA5 vice Chair, Thomas Tovinger, thanked the hosts and the delegates for the week's hard work. After this, the meeting was closed.

## Annex A: Contribution documents and status

### A1: List of TDocs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| S5-237300 | Agenda | WG Chair | approved |  |  |
| S5-237301 | IPR and legal declaration | WG Chair | noted |  |  |
| S5-237302 | Report from last SA5 meeting | MCC | approved |  |  |
| S5-237303 | Post meeting email approval status | WG Vice Chair (Ericsson) | available |  |  |
| S5-237304 | OAM&P action list | WG Vice Chair (Nokia) | noted |  |  |
| S5-237305 | OAM meeting process | WG Vice Chair (Ericsson) | withdrawn |  |  |
| S5-237306 | agenda\_with\_Tdocs\_sequence\_proposal\_OAM | WG Chair | noted |  |  |
| S5-237307 | OAM Exec Report | WG Vice Chair (Nokia) | noted |  |  |
| S5-237308 | OAM Chair notes and conclusions | WG Chair | noted |  |  |
| S5-237309 | CH agenda and time plan | SA5 SWG CH Chair (MATRIXX Software) | revised |  | S5-237975 |
| S5-237310 | Collection of useful contributions and external communication documents | Huawei | noted |  |  |
| S5-237311 | Collection of useful endorsed documents in OAM | WG Vice Chair (Nokia) | noted |  |  |
| S5-237312 | Collecction of external communication documents in OAM | WG Vice Chair (Nokia) | noted |  |  |
| S5-237313 | Charging exec report | SA5 SWG CH Chair (MATRIXX Software) | noted |  |  |
| S5-237314 | SA5 working procedures | WG Chair, WG Vice Chair(Ericsson) | revised |  | S5-238095 |
| S5-237315 | SA5 Meeting facility requirements | WG Chair | noted |  |  |
| S5-237316 | Collection of Rel-18 3GPP SA5 OAM WoP | WG Chair | noted |  |  |
| S5-237317 | Living document for stage 2-3 alignment | WG Vice Chair (Ericsson) | noted |  |  |
| S5-237318 | Process for management of draft TS-TRs | WG Chair | withdrawn |  |  |
| S5-237319 | SA5 meeting calendar | WG Chair | noted |  |  |
| S5-237320 | Time Plan for OAM&P sessions | WG Chair | revised |  | S5-238345 |
| S5-237321 | Reply LS on Enhancement on the attribute for 5GLAN management | C4-234414 | replied to |  |  |
| S5-237322 | LS on String based Charging Identifier over SBI | C4-234657 | postponed |  |  |
| S5-237323 | LS on a Framework for Network Slices in Networks Built from IETF Technologies Submission | IETF | noted |  |  |
| S5-237324 | Reply LS on area scope for QoE measurements | R2-2311400 | replied to |  |  |
| S5-237325 | Reply LS on QMC support in RRC\_IDLE and RRC\_INACTIVE | R2-2311409 | noted |  |  |
| S5-237326 | Response LS on introduction new attribute to support source coordination between LTE and NR SA | R3-235702 | noted |  |  |
| S5-237327 | Reply LS on Reply to LS on AI/ML for NG-RAN Energy Saving Energy Cost index | R3-235743 | postponed |  |  |
| S5-237328 | Reply LS on Multiple Trace/MDT configurations | R3-235882 | postponed |  |  |
| S5-237329 | Reply LS on Priority information and NR-DC | R3-235912 | noted |  |  |
| S5-237330 | Reply LS on MBS communication service | R3-235913 | noted |  |  |
| S5-237331 | Further reply LS on Cell ID (re)configuration for mobile IAB cell | R3-235921 | noted |  |  |
| S5-237332 | Reply LS on the provisioning services specified in SA5 | S2-2311892 | noted |  |  |
| S5-237333 | LS on inputs for mapping GSMA OPG architecture roles with 3GPP defined Edge architectures | S6-233417 | replied to |  |  |
| S5-237334 | LSout to 3GPP SA5 Reply to "5G network energy efficiency and energy saving" (NFV(22)000018) | ETSI ISG NFV | noted |  |  |
| S5-237335 | IETF HTTP RFCs obsoleted by RFCs 9110, 9111 and 9113 | C4-233513 | noted |  |  |
| S5-237336 | LS on user consent for SON/MDT for NB-IoT Ues | R2-2309030 | replied to |  |  |
| S5-237337 | LS on MDT measurements collection in MR-DC | R3-232070 | postponed |  |  |
| S5-237338 | LS on QoE measurement collection for application sessions delivered via MBS broadcast or multicast | R3-233457 | replied to |  |  |
| S5-237339 | Reply LS on area scope for QoE measurements | S4-231490 | noted |  |  |
| S5-237340 | LS on MDT for NPN | R3-234744 | replied to |  |  |
| S5-237341 | LS to SA, SA3 and SA5 on potential collaboration between 3GPP SA3/SA5 and ETSI SAI ISG | ETSI ISG SAI | postponed |  |  |
| S5-237342 | Liaison Multi-SDO Autonomous Networks (AN) Formal Liaison: Call for Candidate Proposals for AN SDO Information Sharing | TM Forum | replied to |  |  |
| S5-237343 | LS to 3GPP re Monitoring of Encrypted 5GS Signalling Traffic | GSMA | replied to |  |  |
| S5-237344 | LSout about PIM specification development by ETSI NFV | ETSI ISG NFV | replied to |  |  |
| S5-237345 | Publication of ETSI NFV specification on Intent Management Service Interface and Intent Information Model | ETSI ISG NFV | replied to |  |  |
| S5-237346 | LSout on “Certificate Management” | ETSI ISG NFV | postponed |  |  |
| S5-237347 | Correction of yang code for sliceprofile | Ericsson India Private Limited | revised |  | S5-238326 |
| S5-237348 | Rel-18 CR TS 28.541 Add NRM for network slice isolation | Nokia, Nokia Shanghai Bell, Telefonica | revised | S5-237083 | S5-238149 |
| S5-237349 | Rel-18 CR TS 28.531 Add and update use case for network slice isolation support | Nokia, Nokia Shanghai Bell | merged | S5-237082 | S5-238148 |
| S5-237350 | Discussion paper to clarify network slice SLA attribute jitter | Nokia, Nokia Shanghai Bell, KDDI, TELUS | revised |  | S5-238242 |
| S5-237351 | Rel-18 CR TS 28.541 Fix inconsistencies related to network slice SLA attribute jitter | Nokia, Nokia Shanghai Bell, KDDI, TELUS | not pursued | S5-236334 |  |
| S5-237352 | Rel-18 CR TS 28.541 Add support for GSMA attribute for slice QoS | Nokia, Nokia Shanghai Bell | revised | S5-236339 | S5-238244 |
| S5-237353 | Rel-18 CR TS 28.541 Add support for GSMA attributes related to data networks | Nokia, Nokia Shanghai Bell, Samsung | revised | S5-236340 | S5-238313 |
| S5-237354 | Rel-18 CR TS 28.622 Add capability for advertising NRM properties Stage 2 | Nokia, Nokia Shanghai Bell | revised | S5-235182 | S5-238146 |
| S5-237355 | Rel-18 CR TS 28.623 Add capability for advertising NRM properties Stage 3 | Nokia, Nokia Shanghai Bell | revised | S5-235183 | S5-238147 |
| S5-237356 | New WID on NEF Charging enhancement to support AI/ML in 5GS | OPPO | revised |  | S5-237988 |
| S5-237357 | AI/ML support for NEF based charging | OPPO Beijing | revised |  | S5-237989 |
| S5-237358 | Presentation of Specification to TSG: TS 28.111, Version 1.0.0 | Ericsson Hungary Ltd | revised |  | S5-238309 |
| S5-237359 | Rel-18 pCR 28.111 FM full updates | Ericsson Hungary Ltd | revised |  | S5-238142 |
| S5-237360 | TS28.541 Rel18 NRM enhancements for NRFFunction phase 4 | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237361 | TS28.541 Rel18 NRM enhancements for MNPFFunction | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237362 | TS28.541 Rel18 NRM enhancements for class diagram | Nokia, Nokia Shanghai Bell | not pursued |  | - |
| S5-237363 | TS28.541 Rel18 correction to NSSF interface between NWDAF and NSSF | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237364 | TS28.541 Rel17 correction to NSSF interface between NWDAF and NSSF | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237365 | TS28.541 Rel16 correction to NSSF interface between NWDAF and NSSF | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237366 | TS28.541 Rel16 correction to DRACHOptimizationFunction stage 3 issue | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237367 | TS28.541 Rel17 correction to DRACHOptimizationFunction stage 3 issue | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237368 | TS28.541 Rel18 correction to DRACHOptimizationFunction stage 3 issue | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237369 | TS28.541 Rel16 correction to 5GC resourceType allowed values | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237370 | TS28.541 Rel17 correction to 5GC resourceType allowed values | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237371 | TS28.541 Rel18 correction to 5GC resourceType allowed values | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237372 | SA5 working procedures | Nokia, Nokia Shanghai Bell | merged |  | S5-238095 |
| S5-237373 | User Guide - Using Forge for SA5 | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-237374 | Rel-18 CR 28.538 DraftCR to CR | Samsung R&D Institute UK | revised |  | S5-238239 |
| S5-237375 | Rel-19 SA5 work planning | SA5 Chair, SA5 Vice chair (Ericsson),SA5 Vice chair (Nokia) | noted |  |  |
| S5-237376 | Rel-17 CR 32.160 Clarify YANG revision date handling | Ericsson Hungary Ltd | agreed |  |  |
| S5-237377 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in DelayTolerance | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237378 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in DeterministicComm | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237379 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in XLThpt | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237380 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in MaxPktSize | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237381 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in MaxNumberofPDUSessions | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237382 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in KPIMonitoring | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237383 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in TermDensity | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237384 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in Positioning | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237385 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in Synchronicity | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237386 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in EnergyEfficiency | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237387 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in NSSAASupport | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237388 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in MaxNumberofUEs | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-237389 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in RadioSpectrum | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237390 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in UserMgmtOpen | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237391 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in V2XCommMode | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237392 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in NBIoT | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237393 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in DelayTolerance | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237394 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in DeterministicComm | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237395 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in XLThpt | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237396 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in MaxPktSize | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237397 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in MaxNumberofPDUSessions | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237398 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in KPIMonitoring | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237399 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in TermDensity | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237400 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in Positioning | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237401 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in Synchronicity | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237402 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in EnergyEfficiency | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237403 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in NSSAASupport | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237404 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in MaxNumberofUEs | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237405 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in RadioSpectrum | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237406 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in UserMgmtOpen | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237407 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in V2XCommMode | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237408 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in NBIoT | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237409 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in NonIPSupport | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237410 | Reply LS to LS to 3GPP re Monitoring of Encrypted 5GS Signalling Traffic | MATRIXX Software, Nokia,Nokia Shanghai Bell | revised |  | S5-238140 |
| S5-237411 | Rel-16 Correct IOC instance creation and deletion | Ericsson Inc. | not pursued |  |  |
| S5-237412 | Rel-16 Correct IOC instance creation and deletion (stage3, yang) | Ericsson Inc. | not pursued |  |  |
| S5-237413 | Rel-17 Correct IOC instance creation and deletion | Ericsson Inc. | not pursued |  |  |
| S5-237414 | Rel-17 Correct IOC instance creation and deletion (stage3, yang) | Ericsson Inc. | not pursued |  |  |
| S5-237415 | Rel-18 Correct IOC instance creation and deletion | Ericsson Inc. | not pursued |  |  |
| S5-237416 | Rel-18 Correct IOC instance creation and deletion (stage3, yang) | Ericsson Inc. | not pursued |  |  |
| S5-237417 | Rel-16 CR 28.532 Clarify MnS capability definitions | Ericsson Inc. | revised | S5-236550 | S5-238322 |
| S5-237418 | Rel-17 CR 28.532 Clarify MnS capability definitions | Ericsson Inc. | revised | S5-236551 | S5-238323 |
| S5-237419 | Rel-18 CR 28.532 Clarify MnS capability definitions | Ericsson Inc. | revised |  | S5-238324 |
| S5-237420 | Rel-16 CR 28.622 Clarify HeartbeatControl IOC definition | Ericsson Inc. | not pursued | S5-236534 |  |
| S5-237421 | Rel-17 CR 28.622 Clarify HeartbeatControl IOC definition | Ericsson Inc. | not pursued | S5-236535 |  |
| S5-237422 | Rel-18 CR 28.622 Clarify HeartbeatControl IOC definition | Ericsson Inc. | not pursued | S5-236536 |  |
| S5-237423 | Rel-16 CR 28.623 Clarify HeartbeatControl IOC definition (stage3, yang) | Ericsson Inc. | not pursued | S5-236532 |  |
| S5-237424 | Rel-17 CR 28.623 Clarify HeartBeatControl IOC definition (stage3, yang) | Ericsson Inc. | not pursued | S5-236531 |  |
| S5-237425 | Rel-18 CR 28.623 Clarify HeartbeatControl IOC definition (stage3, yang) | Ericsson Inc. | not pursued | S5-236533 |  |
| S5-237426 | Rel-18 Correct dnai and dnaiList attribute definitions | Ericsson Inc. | revised |  | S5-238305 |
| S5-237427 | Rel-18 CR TS 32291 AI/ML support for NEF based charging | OPPO Beijing | merged |  | S5-238077 |
| S5-237428 | Rel-18 CR TS 32298 AI/ML support for NEF based charging | OPPO Beijing | merged |  | S5-238079 |
| S5-237429 | Rel-18 CR TS 28.312 Update RadioNetworkExpectation definition | Huawei, Deutsche Telekom | revised |  | S5-238178 |
| S5-237430 | Rel-18 CR TS 28.312 Update Annex D YAML document example to align with the latest intentNRM and intentExpectationNRM YAML definition | Huawei | agreed |  |  |
| S5-237431 | Rel-18 CR TS 28.312 Update ValueRangeType to support scenario specific intent expectation | Huawei, Deutsche Telekom | revised |  | S5-238179 |
| S5-237432 | Rel-18 CR TS 28.312 Correct the stage2 and stage3 definition for intentPriority | Huawei, Deutsche Telekom | revised |  | S5-238182 |
| S5-237433 | Rel-18 CR TS28.312 Update the stage3 to aign with the latest stage2 | Huawei | revised |  | S5-238173 |
| S5-237434 | New SID on energy efficiency and energy saving aspects of 5G networks and services | Huawei | revised |  | S5-238235 |
| S5-237435 | LS to SA2 on network energy related information exposure | Huawei | revised |  | S5-238106 |
| S5-237436 | Rel-17 CR 28.532 Clarify streaming data reporting service definitions | Ericsson Inc. | agreed |  |  |
| S5-237437 | Rel-18 CR TS 28.312 add recommendedSolutions value in IntentReport | NTT DOCOMO | revised |  | S5-238197 |
| S5-237438 | Rel-18 CR TS 28.312 add attributes of intent preemption | NTT DOCOMO, China Mobile Com. Corporation | revised |  | S5-238183 |
| S5-237439 | Reply LS on S5-237345 Publication of ETSI NFV specification on Intent Management Service Interface and Intent Information Model | Huawei | revised |  | S5-238162 |
| S5-237440 | Reply LS on S5-237344 LSout about PIM specification development by ETSI NFV | Huawei | approved |  |  |
| S5-237441 | Rel-17 CR TS28.623 Correct the yaml definition for ThresholdMonitor IOC to align with stage2 definition | Huawei | revised |  | S5-238310 |
| S5-237442 | Rel-18 CR TS28.623 Correct the yaml definition for ThresholdMonitor IOC to align with stage2 definition | Huawei | revised |  | S5-238311 |
| S5-237443 | Rel-17 CR TS 28.541 Correct the issues for NrNrm YAML file | Huawei | agreed |  |  |
| S5-237444 | Rel-18 CR TS 28.541 Correct the issues for NrNrm YAML file | Huawei | agreed |  |  |
| S5-237445 | pCR TS 28.317 Add stage3 definition for MnS component type B | Huawei,China Mobile | approved |  |  |
| S5-237446 | Rel-18 CR TS 28.532 Add resources-RanScNrm as Resource for provisioning MnS | Huawei,China Mobile | agreed |  |  |
| S5-237447 | Rel-18 CR TS 28.533 Overview of the usage of CRUD operations and NRM fragments in SBMA | Huawei, Deutsche Telekom | revised |  | S5-238141 |
| S5-237448 | Discussion paper on separate yaml file for different control NRM fragments in TS 28.623 | Huawei, Deutsche Telekom, Telefónica, NEC | revised |  | S5-238240 |
| S5-237449 | Rel-18 CR TS28.623 Separate yaml file for trace control NRM fragment | Huawei | revised |  | S5-238241 |
| S5-237450 | Rel-18 pCR TS 28.204 Introduction of CHF selection | MATRIXX Software | approved |  |  |
| S5-237451 | Rel-18 pCR TS 28.204 Introduction of CDR description | MATRIXX Software | approved |  |  |
| S5-237452 | Rel-18 pCR TS 28.204 Introduction of Detailed message format for converged charging | MATRIXX Software | revised |  | S5-238003 |
| S5-237453 | Rel-18 pCR TS 28.204 Introduction of Formal Network slice-specific authentication charging parameter description | MATRIXX Software | approved |  |  |
| S5-237454 | Rel-18 pCR TS 28.204 Introduction of Bindings for NS-specific authentication and authorization converged charging | MATRIXX Software | approved |  |  |
| S5-237455 | Presentation of TS 28.204 to SA#102 | MATRIXX Software | revised |  | S5-238004 |
| S5-237456 | Rel-18 pCR TS 28.203 Clarify IEC and ECUR scenarios | MATRIXX Software | revised |  | S5-237996 |
| S5-237457 | Rel-18 pCR TS 28.203 Addition of ECUR in triggers table | MATRIXX Software | revised |  | S5-237997 |
| S5-237458 | Rel-18 pCR TS 28.203 Clarify Quota management description | MATRIXX Software | revised |  | S5-238000 |
| S5-237459 | Rel-18 pCR 28.826 Introduce one Solution for common IEs with clause 6 evaluation and conclusion | MATRIXX Software | revised |  | S5-238039 |
| S5-237460 | Resolve References to nrm yaml | MATRIXX Software | agreed |  |  |
| S5-237461 | Resolve References to nrm yaml | MATRIXX Software | revised |  | S5-237976 |
| S5-237462 | Rel-18 CR TS 28.541 Address EP\_F1 issue for MOCN RAN sharing scenario | Huawei,China Unicom | revised | S5-236318 | S5-238233 |
| S5-237463 | Rel-18 CR TS 28.622 Enhance the ManagementDataCollection to support request management data per PLMN | Huawei,Ericsson,China Unicom | revised |  | S5-238234 |
| S5-237464 | Rel-18 CR TS 28.623 Enhance the ManagementDataCollection to support request management data per PLMN | Huawei,Ericsson,China Unicom | agreed |  |  |
| S5-237465 | pCR TS 28.317 Update use case for self-configuration management | China Mobile, Huawei | approved |  |  |
| S5-237466 | pCR TS 28.317 Update attribute definition of self-configuration management (type B) | China Mobile, Huawei | approved |  |  |
| S5-237467 | pCR TS 28.317 Add stage3 definition for MnS component type A | China Mobile, Huawei | revised |  | S5-238231 |
| S5-237468 | pCR TR 28.842 Add Key Issue and potential solution for reporting data for managementDataCollection | Huawei, Deutsche Telekom | revised |  | S5-238266 |
| S5-237469 | Presentation of TS 28.317 to SA for information | China Mobile, Huawei | revised |  | S5-238229 |
| S5-237470 | pCR TR 28.842 Add potential solution for discovery of management data | Huawei, Deutsche Telekom | approved |  |  |
| S5-237471 | Discussion on issues caused by multiple IntentReports per Intent | Huawei Technologies Japan K.K. | noted |  |  |
| S5-237472 | Rel-18 CR 28.312 IntentReport cardinality | Huawei | not pursued |  | - |
| S5-237473 | Adding Key Issue for Topic 4 | Amdocs, Nokia, Nokia Shanghai Bell | revised |  | S5-238051 |
| S5-237474 | Rel-18 CR 28.312 Missing attribute definitions | Huawei | revised |  | S5-238188 |
| S5-237475 | Solution for Topic 4 key Issue 4b and 4d | Amdocs, Nokia, Nokia Shanghai Bell | revised |  | S5-238053 |
| S5-237476 | Charging Domain in Nchf Converged Charging SBI | Amdocs, Nokia, Nokia Shanghai Bell | revised |  | S5-238054 |
| S5-237477 | HTTP2 Header Based Routing | Amdocs, Nokia, Nokia Shanghai Bell | revised |  | S5-238055 |
| S5-237478 | Solution for Topic 4 Key Issue 4a | Amdocs Software Systems Ltd | revised |  | S5-238052 |
| S5-237479 | New SID on effectiveness of zero-touch orchestration and management | China Mobile, China Telecomunication | noted |  | - |
| S5-237480 | pCR TR 28.909 Add background of relevant studies in TM Forum | China Mobile, Huawei | revised |  | S5-238327 |
| S5-237481 | pCR TR 28.909 Add potential KEI for fault management | China Mobile, Huawei | approved | S5-234745 |  |
| S5-237482 | Rel-18 Input to draft CR TS 28.105 ML Triggering AIML Inference | Nokia, Nokia Shanghai Bell | revised |  | S5-238115 |
| S5-237483 | Rel-18 Input to draft CR TS 28.105 AIML Inference Outcomes | Nokia, Nokia Shanghai Bell | revised |  | S5-238116 |
| S5-237484 | Rel-18 Input to draft CR TS 28.105 Configuration of Energy Saving Functions | Nokia, Nokia Shanghai Bell | revised |  | S5-238113 |
| S5-237485 | Rel-18 Input to draft CR TS 28.105 Configuration of Load balancing Functions | Nokia, Nokia Shanghai Bell | revised |  | S5-238170 |
| S5-237486 | Rel-18 Input to draft CR TS 28.105 Configuration of Mobility Optimization Functions | Nokia, Nokia Shanghai Bell | noted |  | - |
| S5-237487 | Rel-18 Input to draft CR TS 28.105 Information on Learned capabilities | Nokia, Nokia Shanghai Bell | not treated |  |  |
| S5-237488 | Rel-18 Input to draft CR TS 28.105 ML Inference emulation Requirements | Nokia, Nokia Shanghai Bell, NTT DOCOMO, NEC | revised |  | S5-238132 |
| S5-237489 | Rel-18 Input to draft CR TS 28.105 Information on executed AIML Actions | Nokia, Nokia Shanghai Bell | revised |  | S5-238121 |
| S5-237490 | Rel-18 Input to draft CR TS 28.105 NRM attributes on Learned capabilities | Nokia, Nokia Shanghai Bell | not treated |  |  |
| S5-237491 | Rel-18 Input to draft CR TS 28.105 Coordinating ML Inference | Nokia, Nokia Shanghai Bell | not treated |  |  |
| S5-237492 | Rel-18 Input to draft CR TS 28.105 Extend NRM for RAN AIML Inference Functions | Nokia, Nokia Shanghai Bell | revised |  | S5-238172 |
| S5-237493 | Rel-18 Input to draft CR TS 28.105 ML Inference emulation NRM | Nokia, Nokia Shanghai Bell | not treated |  |  |
| S5-237494 | Rel18\_CR\_28312 Correct intent Report Model | Nokia, Nokia Shanghai Bell | merged |  | S5-238188 |
| S5-237495 | Rel18\_CR\_28312 information on a test Intent | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-237496 | Rel18\_CR\_28312 Clarify observation period and fulfilment deadline | Nokia, Nokia Shanghai Bell | revised |  | S5-238226 |
| S5-237497 | Rel-18 CR TS 28.531 Correct the description of Procedure of Network Slice Instance allocation | ZTE Corporation | revised |  | S5-238304 |
| S5-237498 | DP Schema definition Issues SubNetwork and ManagedElement OpenAPI SS | Nokia, Nokia Shanghai Bell | revised |  | S5-238312 |
| S5-237499 | Rel-18 Input to draft CR TS 28.105 Use case and requirements for ML Inference activation | Nokia, Nokia Shanghai Bell, NTT DOCOMO, Intel | revised |  | S5-238111 |
| S5-237500 | Rel-18 Input to draft CR TS 28.105 ML inference policy-based activation | Nokia, Nokia Shanghai Bell | merged |  | S5-238111 |
| S5-237501 | Rel-18 Input to draft CR TS 28.105 NRM for AIML activation policies | Nokia, Nokia Shanghai Bell | revised |  | S5-238112 |
| S5-237502 | Rel18 Input To draftCR TS 28.105 Coordination of the ML capabilities | Nokia, Nokia Shanghai Bell, TELUS | not treated |  |  |
| S5-237503 | Add definitions | Huawei, Ericsson, Nokia | agreed | S5-237094 |  |
| S5-237504 | Reply LS on MDT for NPN | Ericsson LM | revised |  | S5-238101 |
| S5-237505 | Rel-18 CR TS32.422 Adding NPN Area Scope of MDT | Ericsson LM | revised |  | S5-238150 |
| S5-237506 | Rel-18 CR 28.312 Intent Conflict Resolution Procedure | Huawei, ZTE | revised | S5-237116 | S5-238184 |
| S5-237507 | Rel-18 CR TS28.622 Adding NPN Area Scope of MDT | Ericsson LM | revised |  | S5-238151 |
| S5-237508 | Rel-18 CR TS28.623 Adding NPN Area Scope of MDT | Ericsson LM | revised |  | S5-238152 |
| S5-237509 | Rel-18 Input to DraftCR 28.622 Improvement to description of data scope | Huawei | approved |  |  |
| S5-237510 | Rel-15 CR 28.526 Fix incorrect operations and parameters | Huawei | not pursued |  |  |
| S5-237511 | Rel-16 CR 28.526 Fix incorrect operations and parameters | Huawei | not pursued |  |  |
| S5-237512 | Rel-17 CR 28.526 Fix incorrect operations and parameters | Huawei | not pursued |  |  |
| S5-237513 | Rel-15 CR 28.526 Fix incorrect version of ETSI GS NFV IFA013 | Huawei | not pursued |  |  |
| S5-237514 | Rel-15 CR 28.526 Fix incorrect version of ETSI GS NFV IFA013 | Huawei | not pursued |  |  |
| S5-237515 | Rel-17 CR 28.526 Fix incorrect version of ETSI GS NFV IFA013 | Huawei | not pursued |  |  |
| S5-237516 | Rel-15 CR 28.526 Remove unsupported operations | Huawei | not pursued |  |  |
| S5-237517 | Rel-16 CR 28.526 Remove unsupported operations | Huawei | not pursued |  |  |
| S5-237518 | Rel-17 CR 28.526 Remove unsupported operations | Huawei | not pursued |  |  |
| S5-237519 | Rel-18 CR 28.312 Errors in attribute definitions | Huawei | agreed |  |  |
| S5-237520 | Rel-18 Input to draft CR TS 28.105 ML entity versions and artefacts | Nokia Belgium | revised |  | S5-238131 |
| S5-237521 | CR TS 28.105 Rel-17 Correction of IOC name | Ericsson India Private Limited | revised |  | S5-238293 |
| S5-237522 | CR TS 28.105 Rel-18 Correction of IOC name | Ericsson India Private Limited | revised |  | S5-238294 |
| S5-237523 | TS 28.105 Rel-17 Correction of attribute properties | Ericsson India Private Limited | revised |  | S5-238295 |
| S5-237524 | DP Common notification Filtering | Ericsson Hungary Ltd | noted |  |  |
| S5-237525 | Add a new clause for CHF to CHF to support B2B charging - architecture | MATRIXX Software | not pursued |  |  |
| S5-237526 | Discussion paper on Reference points for CHF to CHF | MATRIXX Software | noted |  |  |
| S5-237527 | Discussion paper on CHF to CHF description | MATRIXX Software | noted |  |  |
| S5-237528 | Rel-18 pCR TS 28.204 Refinement on charging information | MATRIXX Software | approved |  |  |
| S5-237529 | Addition of CHF-CHF architecture to support Network Slice Charging | MATRIXX Software | revised |  | S5-238002 |
| S5-237530 | Rel-18 CR TS 28.623 Solution Sets clarifications | Ericsson Hungary Ltd | agreed |  |  |
| S5-237531 | TS 28.105 Rel-18 Correction of attribute properties | Ericsson India Private Limited | revised |  | S5-238296 |
| S5-237532 | Rel-18 CR 32.160 Clarify YANG revision date handling | Ericsson Hungary Ltd | agreed |  |  |
| S5-237533 | TS 28.105 Rel-18 Correction of MLTrainingFunction constraints | Ericsson India Private Limited | revised |  | S5-238297 |
| S5-237534 | Rel 17 CR TS 28.105 Resolve issues related to the usage of confidenceIndication attribute | Nokia, Nokia Shanghai Bell | revised |  | S5-238124 |
| S5-237535 | Rel 18 CR TS 28.105 Resolve issues related to the usage of confidenceIndication attribute | Nokia, Nokia Shanghai Bell | revised |  | S5-238125 |
| S5-237536 | Rel 18 Input to DraftCR TS 28.105 AIML Inference History NRM | Nokia, Nokia Shanghai Bell | revised |  | S5-238117 |
| S5-237537 | Rel 18 Input to DraftCR 28.105 Add ML performance metrics | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-237538 | New SID on cloud aspects of management and orchestration | Microsoft Europe SARL | revised |  | S5-238194 |
| S5-237539 | Rel-16 CR TS32.421 Align N38 in SMF requirement with TS23.501 | Ericsson Ltd | agreed |  |  |
| S5-237540 | Rel-17 CR TS32.421 Align N38 in SMF with TS23.501 | Ericsson Ltd | agreed |  |  |
| S5-237541 | Rel-18 CR TS32.421 Align N38 in SMF with TS23.501 | Ericsson Ltd | agreed |  |  |
| S5-237542 | New Rel-19 SID Study on AI and ML management phase 2 | Intel, NEC | revised |  | S5-238133 |
| S5-237543 | Rel-16 CR TS32.422 Align N38 in SMF requirement with TS23.501 | Ericsson Ltd | revised |  | S5-238318 |
| S5-237544 | Input to DraftCR 28.105 Correction of ML update related IOCs | Intel, NEC | revised |  | S5-238341 |
| S5-237545 | Rel-17 CR TS32.422 Align N38 in SMF requirement with TS23.501 | Ericsson Ltd | revised |  | S5-238319 |
| S5-237546 | Add NRM for AnLF | Intel | revised |  | S5-238340 |
| S5-237547 | Rel-18 CR TS32.422 Align N38 in SMF requirement with TS23.501 | Ericsson Ltd | revised |  | S5-238320 |
| S5-237548 | Input to DraftCR 28.105 Update NRMs for AI-ML inference function | Intel, NEC | revised |  | S5-238334 |
| S5-237549 | Rel-16 CR TS32.423 Align N38 in SMF requirement with TS23.501 | Ericsson Ltd | agreed |  |  |
| S5-237550 | Input to DraftCR 28.105 Add NRMs for actions executed according to the inference report | Intel, NEC | revised |  | S5-238122 |
| S5-237551 | Rel-17 CR TS32.423 Align N38 in SMF requirement with TS23.501 | Ericsson Ltd | agreed |  |  |
| S5-237552 | Initial Skeleton of draft TS 28.abc UE level measurements | Intel | approved |  |  |
| S5-237553 | Rel-18 CR TS32.423 Align N38 in SMF requirement with TS23.501 | Ericsson Ltd | agreed |  |  |
| S5-237554 | pCR Add structure for new draft TS 28.abc UE level measurements | Intel | revised |  | S5-237955 |
| S5-237555 | pCR TS 28.abc Add template for UE level measurement definition | Intel | revised |  | S5-238339 |
| S5-237556 | pCR TS 28.abc Add NRMs for UE measurement job | Intel, Nokia, NEC | noted |  |  |
| S5-237557 | Rel-16 CR TS 28.623 Align N38 in SMF with TS23.501 | Ericsson LM | revised |  | S5-237919 |
| S5-237558 | Rel-17 CR TS28.623 Align N38 in SMF with TS23.501 | Ericsson LM | revised |  | S5-237912 |
| S5-237559 | pCR TS 28.abc Add MnS framework for UE level measurement collection and reporting | Intel, Nokia, NEC | noted |  |  |
| S5-237560 | Rel-18 CR TS 28.623 Align N38 in SMF with TS23.501 | Ericsson LM | revised |  | S5-237887 |
| S5-237561 | pCR TS 28.abc Add MnS service components for UE level measurement collection | Intel, Nokia, NEC | noted |  |  |
| S5-237562 | pCR TS 28.abc Add Per-UE measurement related to DL packet delay between PSA UPF and UE | Intel | revised |  | S5-238164 |
| S5-237563 | pCR TS 28.abc Add Per-UE measurement related to UL packet delay between PSA UPF and UE | Intel | revised |  | S5-238165 |
| S5-237564 | Discussion paper for charging aspects of AIML during different phases | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-237565 | Rel-18 CR TS 32.254 SUPI and APF ID Correction | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-237566 | Rel-18 CR TS 32.254 Enhance Application Charging description | Nokia, Nokia Shanghai Bell | revised |  | S5-238070 |
| S5-237567 | Rel-18 pCR TR 28.840 Abreviations section update | Nokia, Nokia Shanghai Bell, Amdocs | approved |  |  |
| S5-237568 | Rel-18 pCR TR 28.840 Editorial Correction | Nokia, Nokia Shanghai Bell, Amdocs | revised |  | S5-238046 |
| S5-237569 | Rel-18 pCR TR 28.840 Solutions Evaluation Topci#1 | Nokia, Nokia Shanghai Bell, Amdocs | revised |  | S5-238048 |
| S5-237570 | Rel-18 pCR TR 28.840 Solutions Evaluation Topic#2 | Nokia, Nokia Shanghai Bell, Amdocs | revised |  | S5-238049 |
| S5-237571 | Rel 18 CR TS 28.105 Fix incorrect figure label | Ericsson | agreed |  |  |
| S5-237572 | Rel-18 pCR TR 28.840 Topic #3 for CHF Selection | Nokia, Nokia Shanghai Bell, Amdocs | revised |  | S5-238050 |
| S5-237573 | Rel-18 pCR TR 28.826 Update of evaluation and conclusions clause 5.1 | Nokia, Nokia Shanghai Bell | merged |  | S5-238040 |
| S5-237574 | Rel 17 CR TS 28.105 Fix incorrect figure label | Ericsson | agreed |  |  |
| S5-237575 | Rel-18 pCR TR 28.826 Update of evaluation and conclusions clause 5.3 | Nokia, Nokia Shanghai Bell | merged |  | S5-238040 |
| S5-237576 | Rel-18 CR TS 32.290 Failure handling without CHF connectivity | Nokia. Nokia Shanghai Bell | revised |  | S5-238071 |
| S5-237577 | Rel-18 CR TS 32.291 Service Consumption with unlimited quota | Nokia. Nokia Shanghai Bell | not pursued |  |  |
| S5-237578 | Rel-19 New SID Enablers for Security Monitoring | Nokia UK | revised |  | S5-238264 |
| S5-237579 | Rel-19 Discussion paper on enablers for security monitoring | Nokia UK | revised |  | S5-238195 |
| S5-237580 | Rel-19 New WID for MSAC | Nokia UK | noted |  |  |
| S5-237581 | Rel-18 InputToDraftCR 28.533 on concept of Entities, Information Model for Access control | Nokia UK | revised |  | S5-238109 |
| S5-237582 | Rel-18 InputToDraftCR 28.533 on REST and OpenAPI based solution set for Access control | Nokia UK | noted |  |  |
| S5-237583 | Rel-18 InputToDraftCR 28.533 on Netconf solution set for Access control | Nokia UK | noted |  |  |
| S5-237584 | Rel-18 CR TS 32.156 Supplement the specification for establishing a relationship between <<dataType>> and model elements in UML class diagram | China Mobile Com. Corporation | revised |  | S5-238287 |
| S5-237585 | LS on the progress update of AI/ML Management specifications in SA5 | NEC, Intel | revised |  | S5-238107 |
| S5-237586 | Rel-15 CR TS32.421 Missing N16 in SMF requirement | Ericsson Ltd | agreed |  |  |
| S5-237587 | Rel-16 CR TS32.421 Missing N16 in SMF requirement | Ericsson Ltd | agreed |  |  |
| S5-237588 | Rel-18 Input to draft CR TS 28.105 ML inference NRM clarifications | NEC, Intel | merged |  | S5-238334 |
| S5-237589 | Rel-17 CR TS32.421 Missing N16 in SMF requirement | Ericsson Ltd | agreed |  |  |
| S5-237590 | Rel-18 CR TS32.421 Missing N16 in SMF requirement | Ericsson Ltd | agreed |  |  |
| S5-237591 | Rel-16 CR TS32.421 Missing N16a in SMF requirement | Ericsson LM | agreed |  |  |
| S5-237592 | Rel-17 CR TS32.421 Missing N16a in SMF requirement | Ericsson Ltd | agreed |  |  |
| S5-237593 | correction on startTime and stopTime in MDARequest | Huawei | agreed |  |  |
| S5-237594 | Correction on startTime and stopTime in MDARequest | Huawei | agreed |  |  |
| S5-237595 | remove duplicated clause for ECS measurement | Huawei | agreed |  |  |
| S5-237596 | Remove duplicated clause for ECS meansurement | Huawei | agreed |  |  |
| S5-237597 | Update 5GC expectation | Huawei | agreed |  |  |
| S5-237598 | Clarification on the usage of sNssaiInfoList in multiple places | Huawei | agreed |  |  |
| S5-237599 | Update description of ExtSnssai | Huawei | agreed |  |  |
| S5-237600 | Rel-18 draftCR 28.104 Add solution for MDA assisted control plane congestion analysis | Huawei | revised |  | S5-238139 |
| S5-237601 | Update connection data volumes meansurement | Huawei | agreed |  |  |
| S5-237602 | Rel-18 DraftCR 28.538 update EAS to connect to UPF procedure | Huawei | revised |  | S5-238232 |
| S5-237603 | Fix error related to number of PDU session creation measurement | Huawei | agreed |  |  |
| S5-237604 | Fix error related to number of PDU session creation measurement | Huawei | agreed |  |  |
| S5-237605 | Fix error related to number of PDU session creation measurement | Huawei | agreed |  |  |
| S5-237606 | Rel-18 DraftCR 28.538 adding processMonitor in EASRequirement | Huawei | revised |  | S5-238238 |
| S5-237607 | Rel-18 DraftCR 28.538 Correction on EAS instantiation triggered by PM | Huawei | revised |  | S5-238237 |
| S5-237608 | New SID: Study on Management Data Analytics (MDA) – Phase 3 | NEC, Intel | revised |  | S5-238134 |
| S5-237609 | TS32.421 R18 Missing N16a in SMF requirement | Ericsson Ltd | agreed |  |  |
| S5-237610 | Rel-18 CR 28.541 Add energy saving attributes to IOC UPFFunction | Huawei | revised |  | S5-238288 |
| S5-237611 | Input to draft CR TS28.105: Corrections voiding existing clause 6.2 and introducing new clause | NEC, Intel | approved |  |  |
| S5-237612 | Rel-18 CR TS 28.312 Update the description of requirements for obtaining intent report information in use cases | China Mobile Com. Corporation | revised |  | S5-238180 |
| S5-237613 | Rel-18 CR TS 28.557 Add use case and requirements for dedicated resource demand for NPN service customers | Huawei | revised |  | S5-238248 |
| S5-237614 | Rel-18 CR TS 28.557 Add use case for E2E latency monitoring in NPN | Huawei | not pursued |  |  |
| S5-237615 | Rel-18 CR TS 28.557 Correction on procedure figure for NPN provisioning by a network slice of a PLMN | Huawei | agreed |  |  |
| S5-237616 | New SID on SBMA enhancement phase 3 | Huawei | revised |  | S5-238196 |
| S5-237617 | Rel-18 CR TS 28.552 Add PLMN granularity for PDU sessions related measurements for NG-RAN MOCN network sharing scenario | China Unicom | agreed |  |  |
| S5-237618 | Rel-18 CR TS 28.552 Add PLMN granularity for peak PRB used for data traffic measurements for NG-RAN MOCN network sharing scenario | China Unicom | agreed |  |  |
| S5-237619 | New WID on 5G performance measurements and KPIs phase 4 | China Telecom Corporation Ltd. | revised |  | S5-238202 |
| S5-237620 | Rel-17 CR TS 28.622 Correcting the definition of mgtDataName attribute | Nokia, Nokia Shanghai Bell, Ericsson | merged |  | S5-238314 |
| S5-237621 | Rel-18 CR TS 28.622 Correcting the definition of mgtDataName attribute | Nokia, Nokia Shanghai Bell, Ericsson | merged |  | S5-238315 |
| S5-237622 | Rel-18 CR TS 28.105 Removing ML Entity ID attribute | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-237623 | Rel-18 pCR 28.842 New KI on reporting of stored Management data | Nokia, Nokia Shanghai Bell | revised |  | S5-238268 |
| S5-237624 | Rel-18 CR TS 28.550 Include signalling in PM Streaming schema | Nokia, Nokia Shanghai Bell | revised |  | S5-238160 |
| S5-237625 | Rel-18 CR TS 32.422 NPN support for MDT | Nokia, Nokia Shanghai Bell | merged |  | S5-238150 |
| S5-237626 | Rel-18 CR TS 28.622 MDT support for NPN | Nokia, Nokia Shangai Bell | merged |  | S5-238151 |
| S5-237627 | Rel-18 CR TS 28.623 MDT support for NPN | Nokia, Nokia Shangai Bell | revised |  | S5-238153 |
| S5-237628 | Rel-18 Input to draft CR TS 28.104 Predictions of maintenance management related PMs | Nokia, Nokia Shangai Bell | revised |  | S5-238110 |
| S5-237629 | Rel-18 CR TS 32.422 Addressing tracing gaps in signalling based trace activation | Nokia, Nokia Shangai Bell | revised |  | S5-238154 |
| S5-237630 | Rel-18 CR TS 28.622 Addressing tracing gaps in signalling based trace activation | Nokia, Nokia Shanghai Bell | not pursued |  | - |
| S5-237631 | Rel-18 CR TS 28.623 Addressing tracing gaps in signalling based trace activation | Nokia, Nokia Shanghai Bell | not pursued |  | - |
| S5-237632 | Rel-18 Input to draft CR TS 28.105 Description, Use case and requirements for Context of ML Entities | Nokia, Nokia Shangai Bell | revised |  | S5-238126 |
| S5-237633 | Reply LS on Multiple TraceMDT configurations | Nokia, Nokia Shangai Bell | noted |  |  |
| S5-237634 | Rel-15 CR TS 32.421 Add the missing requirements for tracing of CHF and NWDAF | Nokia, Nokia Shangai Bell | not pursued |  |  |
| S5-237635 | Rel-16 CR TS 32.421 Add the missing requirements for tracing of CHF and NWDAF | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-237636 | Rel-17 CR TS 32.421 Add the missing requirements for tracing of CHF and NWDAF | Nokia, Nokia Shangai Bell | not pursued |  |  |
| S5-237637 | Rel-18 CR TS 32.421 Add the missing requirements for tracing of CHF and NWDAF | Nokia, Nokia Shangai Bell | not pursued |  |  |
| S5-237638 | Rel-15 CR TS 32.423 Add the missing Trace record content for CHF | Nokia, Nokia Shangai Bell | not pursued |  |  |
| S5-237639 | Rel-16 CR TS 32.423 Add the missing Trace record content for CHF | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-237640 | Rel-17 CR TS 32.423 Add the missing Trace record content for CHF | Nokia, Nokia Shangai Bell | not pursued |  |  |
| S5-237641 | Rel-18 CR TS 32.423 Add the missing Trace record content for CHF | Nokia, Nokia Shangai Bell | not pursued |  |  |
| S5-237642 | Rel-17 CR TS 32.421 Adding the missing requirements for tracing new NFs | Nokia, Nokia Shangai Bell | not pursued |  |  |
| S5-237643 | Rel-18 CR TS 32.421 Adding the missing requirements for tracing new NFs | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-237644 | Update definitions of Ephemeris | CATT | revised |  | S5-238214 |
| S5-237645 | New SID on Management Aspects of NTN Phase 2 | CATT, China Unicom | revised |  | S5-238206 |
| S5-237646 | Rel-18 CR 28.104 Update discription on deployment of multiple MDAs | CATT | not pursued |  | - |
| S5-237647 | Rel-17 CR 28.104 Update discription on deployment of multiple MDAs | CATT | not pursued |  | - |
| S5-237648 | pCR TR 28.863 Issue1 Conclusion for Definition of KQI | HUAWEI TECHNOLOGIES Co. Ltd. | approved |  |  |
| S5-237649 | pCR TS 28.abc Add per-UE measurement related to average DL/UL UE throughput | China Telecom Corporation Ltd., Intel | revised |  | S5-238167 |
| S5-237650 | pCR TR 28.863 Issue#2 Conclusion for scenarios for 5G KQI | HUAWEI TECHNOLOGIES Co. Ltd. | approved |  |  |
| S5-237651 | pCR TR 28.863 Issue#4 Desription of URLLC | HUAWEI TECHNOLOGIES Co. Ltd. | revised |  | S5-238278 |
| S5-237652 | pCR TR 28.863 Issue#4 Solution of URLLC | HUAWEI TECHNOLOGIES Co. Ltd. | revised |  | S5-238279 |
| S5-237653 | pCR TR 28.863 Issue#5 Conclusion for Cloud VR | HUAWEI TECHNOLOGIES Co. Ltd. | revised |  | S5-238280 |
| S5-237654 | pCR TR 28.863 Rapporteur clean up | HUAWEI TECHNOLOGIES Co. Ltd. | approved |  |  |
| S5-237655 | New WID on 5G Advanced NRM features phase 3 | Nokia, Nokia Shanghai Bell | revised |  | S5-238203 |
| S5-237656 | Discussion paper on charging requirements for 5WWC phase 2 | China Unicom, Huawei | noted |  |  |
| S5-237657 | R18 CR 32.255 Add clarification text for use of UE behind the RGs | China Unicom, Huawei | revised |  | S5-238030 |
| S5-237658 | Rel-18 CR TS 28.530 Add management capability support for NTN | China Unicom, China Telecom | withdrawn |  |  |
| S5-237659 | Rel-18 CR TS 28.530 Add Annex network management support for NTN architecture | China Unicom | withdrawn |  |  |
| S5-237660 | New Rel-19 Study on intent driven management services for mobile networks phase 3 | Huawei | revised | S5-237226 | S5-238135 |
| S5-237661 | Reply LS on MDT for NPN | Nokia, Nokia Shanghai Bell | merged |  | S5-238101 |
| S5-237662 | Reply LS on MDT measurements collection in MR-DC | Nokia, Nokia Shanghai Bell | merged |  | S5-238100 |
| S5-237663 | Rel-18 pCR TR 28.845 Update Solution for 5GS charging of Ranging Sidelink Positioning UE Discovery | China Telecom | revised |  | S5-238064 |
| S5-237664 | Rel-18 pCR TR 28.845 Update Solution for 5GS charging of UE positioning assisted by Sidelink Positioning and involving 5GC | China Telecom | approved |  |  |
| S5-237665 | Rel-18 pCR TR 28.845 Update Solution for 5GS charging of UE only Sidelink Positioning for Target UE using Located UE | China Telecom | revised |  | S5-238065 |
| S5-237666 | Rel-18 InputToDraftCR TS 28.533 Update the description of role based access control | Huawei | revised |  | S5-238269 |
| S5-237667 | Rel-18 InputToDraftCR TS 28.533 Correct the description of attribute identityType and identityName | Huawei | approved |  |  |
| S5-237668 | Rel-18 pCR TR 28.845 Update Solution for 5GS charging of Ranging SL Positioning service exposure | China Telecom | revised |  | S5-238066 |
| S5-237669 | Rel-18 pCR TR 28.845 Add Evaluation and Conclusion for 5GS charging of Ranging Sidelink Positioning UE Discovery | China Telecom | revised |  | S5-238067 |
| S5-237670 | Rel-18 pCR TR 28.845 Add Evaluation and Conclusion for 5GS charging of UE positioning assisted by Sidelink Positioning and involving 5GC | China Telecom | approved |  |  |
| S5-237671 | Rel-18 pCR TR 28.845 Add Evaluation and Conclusion for 5GS charging of UE only Sidelink Positioning for Target UE using Located UE | China Telecom | revised |  | S5-238068 |
| S5-237672 | Rel-18 CR TS 28.552 Add new measurement on Average DL GTP packet delay | P.I. WORKS | revised |  | S5-238158 |
| S5-237673 | Rel-18 CR TS 28.552 Add new measurement on distribution of DL GTP packet delay | P.I. WORKS | revised |  | S5-238159 |
| S5-237674 | New SID on management aspects of RedCap feature | AsiaInfo Technologies Inc | revised |  | S5-238342 |
| S5-237675 | Rel-18 CR TS 28.531 Add the introduction for the procedure of NF instance creation | ZTE Corporation | revised | S5-237106 | S5-238216 |
| S5-237676 | Rel-18 CR TS 32.130 Add requirements for NG-RAN MOCN network sharing scenario with multiple Cell Identity broadcast | China Unicom | withdrawn |  |  |
| S5-237677 | Rel-18 CR TS 28.531 Update reference for NS lifecycle management procedure | ZTE Corporation | merged |  | S5-238215 |
| S5-237678 | Clarify MnS consumer how handling infeasible results of intent fulfilment feasibility check | ZTE Corporation, China Mobile, Huawei | agreed | S5-236951 |  |
| S5-237679 | Rel-18 Input to DraftCR TS 28.105 Correction of ML Inference NRM | Ericsson India Private Limited | merged |  | S5-238334 |
| S5-237680 | Rel-18 CR TS 28.312 Update the description about intent handling function | ZTE Corporation | agreed |  |  |
| S5-237681 | Rel-17 CR TS28.312 Clarify the description of object instance | ZTE Corporation | agreed |  |  |
| S5-237682 | Presentation sheet of TR 28.863 for SA approval | HUAWEI TECHNOLOGIES Co. Ltd. | revised |  | S5-238276 |
| S5-237683 | Rel-18 CR TS28.312 Clarify the description of object instance | ZTE Corporation | agreed |  |  |
| S5-237684 | Rel 18 CR TS 28.541 Stage 3 Add FL related attributes in NWDAFFunction | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237685 | Rel-18 CR TS 28.541 Add FL related attributes in NWDAFFunction | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237686 | Rel-18 CR TS 28.552 Add new measurement for average value of Timing Advance per SS-RSRP and AOA ranges | China Unicom | revised |  | S5-238157 |
| S5-237687 | Rel-19 OAM topic Progress in SA5#152 | WG Chair | noted | S5-237186 |  |
| S5-237688 | Reply LS on MDT measurements collection in MR-DC | Huawei | noted |  | - |
| S5-237689 | Rel-18 InputToDraftCR TS 28.104 Add general description for NF resource related analytics and Predictions of Management data | Huawei | revised |  | S5-238308 |
| S5-237690 | Rel-18 InputToDraftCR TS 28.104 corrections for resource related analysis | Huawei | revised |  | S5-238138 |
| S5-237691 | Rel-18 InputToDraftCR TS 28.105 corrections for ML performance indicator selection | Huawei | approved |  |  |
| S5-237692 | Rel-18 InputToDraftCR TS 28.105 corrections of inheritance hierarchy for intelligence functions | Huawei | merged |  | S5-238334 |
| S5-237693 | Rel-18 InputToDraftCR TS 28.105 corrections for ML entity loading | Huawei | revised |  | S5-238177 |
| S5-237694 | Rel-18 InputToDraftCR TS 28.105 Add deployment scenarios for AIML related functions | Huawei | revised |  | S5-238119 |
| S5-237695 | Rel-18 CR TS 32.422 add inidcations to support MDT measurements collection in NR-DC | Huawei | not pursued |  |  |
| S5-237696 | Rel-18 CR TS 28.622 add inidcations to support MDT measurements collection in NR-DC | Huawei | not pursued |  |  |
| S5-237697 | Rel-18 CR TS 28.623 add inidcations to support MDT measurements collection in NR-DC | Huawei | not pursued |  |  |
| S5-237698 | Reply to Liaison Multi-SDO Autonomous Networks (AN) Formal Liaison: Call for Candidate Proposals for AN SDO Information Sharing | WG Chair | approved |  |  |
| S5-237699 | Rel-18 CR TS 28.530 Add management capability support for NTN | China Unicom, China Telecom | revised |  | S5-238212 |
| S5-237700 | New SID on Management aspects of Integrated Sensing and Communication | ZTE Corporation,China Unicom | revised | S5-237236 | S5-238307 |
| S5-237701 | Rel-18 CR TS 28.530 Add Annex network management support for NTN architecture | China Unicom | revised |  | S5-238213 |
| S5-237702 | New Study on Closed Control loop management | Samsung R&D Institute India | revised |  | S5-238136 |
| S5-237703 | Rel-18 CR 28.541 Radio Specturm in SliceSubnet | Samsung R&D Institute India | not pursued |  |  |
| S5-237704 | Rel-18 CR 28.312 Conflict Resolution enhancements | Samsung R&D Institute India | not pursued |  | - |
| S5-237705 | Rel-18 CR TS 28.312 5.3.4.3Adjust the content in clause 5.3.4.3 Resolving Intent-related conflicts | Huawei | revised |  | S5-238186 |
| S5-237706 | Rel-18 CR 28.554 Add new KPI on DL reliability with delay threshold in RAN | China Unicom | withdrawn |  |  |
| S5-237707 | LS reply on inputs for mapping GSMA OPG architecture roles with 3GPP defined Edge architectures | Samsung R&D Institute India | revised |  | S5-238096 |
| S5-237708 | Rel-18 CR 28.541 Modify the attributes of UL and DL latency in RAN | China Unicom | revised |  | S5-238225 |
| S5-237709 | Correct issues for references of enabling data | Huawei | agreed |  |  |
| S5-237710 | Correct issues for references of enabling data | Huawei | agreed |  |  |
| S5-237711 | Correct issues for End-to-end Network Resource Expectation | Huawei | revised |  | S5-238181 |
| S5-237712 | Editorial modification for the use case of performance measurements for NWDAF | China Telecom | agreed |  |  |
| S5-237713 | Editorial modification for the performance measurements of NWDAF | China Telecom | agreed |  |  |
| S5-237714 | pCR TS 28.abc Add Per-UE measurement related to average packet delay | China Telecom Corporation Ltd., Intel | revised |  | S5-238166 |
| S5-237715 | pCR TS 28.abc Add per-UE measurement related to average packet loss | China Telecommunications, Intel | revised |  | S5-238168 |
| S5-237716 | Rel-18 Add KPI on Energy Efficiency of URLLC Network Slice based on reliability | China Unicom, Ericsson | withdrawn |  |  |
| S5-237717 | Rel-18 Input to DraftCR 28.622 Specify notificationFilter | Ericsson Hungary Ltd | revised |  | S5-238144 |
| S5-237718 | pCR TS 28.abc Add per-UE measurement related to average packet loss for split gNB deployment scenario | China Telecommunications, Intel | revised |  | S5-238169 |
| S5-237719 | Rel-18 pCR 32.161 Update-extend JEX definitions | Ericsson Hungary Ltd | revised |  | S5-238145 |
| S5-237720 | Input to Rel-18 DraftCR TS28.105 Add use case and requirements for training data effectiveness reporting and analytics | China Mobile E-Commerce Co. | withdrawn |  |  |
| S5-237721 | New Study on Enhancement of Management Aspects related to NWDAF Phase 2 | China Telecommunications | revised |  | S5-238208 |
| S5-237722 | Rel-15 CR TS 32.156 Clarification on predefined dataType and example | L.M. Ericsson Limited | not pursued |  |  |
| S5-237723 | Rel-16 CR TS 32.156 Clarification on predefined dataType and example | L.M. Ericsson Limited | not pursued |  |  |
| S5-237724 | Rel-17 CR TS 32.156 Clarification on predefined dataType and example | L.M. Ericsson Limited | not pursued |  |  |
| S5-237725 | Rel-18 CR TS 32.156 Clarification on predefined dataType and example | L.M. Ericsson Limited | revised |  | S5-238290 |
| S5-237726 | Clarify verbs in attribute definitions | Ericsson | revised |  | S5-238298 |
| S5-237727 | Clarify verbs in attribute definitions | Ericsson | revised |  | S5-238299 |
| S5-237728 | Correct intent driven MnS description in clause 4.2.2 | Ericsson | revised |  | S5-238300 |
| S5-237729 | Rel-18 CR TS 28.312 Correct intent driven MnS description in clause 4.2.2 | L.M. Ericsson Limited | revised |  | S5-238301 |
| S5-237730 | Rel-18 CR TS 28.312 Correct Yaml in Annex D | L.M. Ericsson Limited | agreed |  |  |
| S5-237731 | Rel-16 CR TS 28.541 Enhance description of jitter in attribute table | L.M. Ericsson Limited, Deutsche Telekom | not pursued |  |  |
| S5-237732 | Rel-17 CR TS 28.541 Enhance description of jitter in attribute table | L.M. Ericsson Limited, Deutsche Telekom | not pursued |  |  |
| S5-237733 | Rel-18 CR TS 28.541 Enhance description of jitter in attribute table | L.M. Ericsson Limited, Deutsche Telekom | not pursued |  |  |
| S5-237734 | Rel-18 CR TS 28.541 Enhance network slice model description | L.M. Ericsson Limited, Deutsche Telekom | not pursued |  |  |
| S5-237735 | Rel-18 CR TS 28.531 Update use case and allocate for network slice isolation | L.M. Ericsson Limited, Deutsche Telekom | revised |  | S5-238148 |
| S5-237736 | Rel-18 CR TS 28.541 Network slicing rules solution description | Ericsson, Deutsche Telekom | merged |  | S5-238149 |
| S5-237737 | pCR TR 28.836 Add definitions and abbreviations | L.M. Ericsson Limited, Deutsche Telekom | revised |  | S5-238252 |
| S5-237738 | pCR TR 28.836 Rapporteur clean-up template information | L.M. Ericsson Limited | approved |  |  |
| S5-237739 | pCR TR 28.836 Update conclusions and recommendations | L.M. Ericsson Limited, Deutsche Telekom | revised |  | S5-238263 |
| S5-237740 | Input to Rel-18 DraftCR TS28.105 Add use case and requirements for training data effectiveness reporting and analytics | China Mobile E-Commerce Co.,Nokia | revised |  | S5-238273 |
| S5-237741 | pCR TR 28.830 Add description of relation with performance management | Huawei, China Mobile | withdrawn |  |  |
| S5-237742 | pCR TR 28.830 Add solution of performance related alarm analysis | Huawei, China Mobile | withdrawn |  |  |
| S5-237743 | pCR TR 28.830 Add solution of fault cause analysis enhancement | Huawei, China Mobile | withdrawn |  |  |
| S5-237744 | pCR TR 28.830 Add description of relation with performance management | Huawei, China Mobile | noted |  |  |
| S5-237745 | pCR TR 28.830 Add solution of performance related alarm analysis | Huawei, China Mobile | noted |  |  |
| S5-237746 | pCR TR 28.830 Add solution of fault cause analysis enhancement | Huawei, China Mobile | revised |  | S5-238265 |
| S5-237747 | Input to Rel-18 DraftCR TS28.105 Add use case and requirements for pre-processed event data for ML training | China Mobile E-Commerce Co.,Nokia | noted |  |  |
| S5-237748 | Rel-18 CR TS 28.312 Add Common Contexts | China Mobile Com. Corporation | not pursued |  |  |
| S5-237749 | pCR TR 28.865 Add conclusion of issue2 service assurance for video monitoring | Huawei | revised |  | S5-238281 |
| S5-237750 | pCR TR 28.865 Add conclusion of issue3 service assurance for PLC control | Huawei | revised |  | S5-238282 |
| S5-237751 | pCR TR 28.865 Add conclusions and recommendations for the FS\_DCSA study item | Huawei | revised |  | S5-238283 |
| S5-237752 | Rel-16 CR TS 28.554 Correction Utilization KPI definition of PDU session establishment time of network slice | China Mobile, Ericsson | agreed |  |  |
| S5-237753 | Remove MBS session charging information | China Mobile Com. Corporation, Huawei | revised |  | S5-238018 |
| S5-237754 | Rel-17 CR TS 28.554 Correction Utilization KPI definition of PDU session establishment time of network slice | China Mobile, Ericsson | agreed |  |  |
| S5-237755 | Rel-17 CR TS 28.554 Correction Utilization KPI definition of PDU session establishment time of network slice | China Mobile E-Commerce Co., Ericsson | withdrawn |  |  |
| S5-237756 | Rel-18 pCR 32.27x Add MBS session charging information | China Mobile Com. Corporation | revised |  | S5-238024 |
| S5-237757 | Rel-18 CR 32.291 Correction of content of type problem json | Ericsson LM | not pursued | S5-236697 |  |
| S5-237758 | Rel-16 CR 32.254 Removal of editor's note for the NEF API Charging Information | Ericsson LM | revised |  | S5-238072 |
| S5-237759 | Rel-17 CR 32.254 Correction external identifiers as a list | Ericsson LM | revised |  | S5-238073 |
| S5-237760 | Rel-18 CR 32.254 Correction external and internal identifiers as a list | Ericsson LM | revised |  | S5-238074 |
| S5-237761 | Rel-16 CR 32.291 Correction of cardinality for NEF external id | Ericsson LM | revised |  | S5-238075 |
| S5-237762 | Rel-17 CR 32.291 Correction of NEF external id as a list | Ericsson LM | revised |  | S5-238076 |
| S5-237763 | Rel-18 CR 32.291 Correction of NEF internal and external id as lists | Ericsson LM | revised |  | S5-238077 |
| S5-237764 | Rel-17 CR 32.298 Correction of NEF external id as a list | Ericsson LM | revised |  | S5-238078 |
| S5-237765 | Rel-18 CR 32.298 Correction of NEF internal and external id as lists | Ericsson LM | revised |  | S5-238079 |
| S5-237766 | Rel-18 CR 32.254 Correction of subscriber identifier | Ericsson LM | not pursued |  |  |
| S5-237767 | Rel-18 CR 32.291 Correction of tenant identifier | Ericsson LM | not pursued |  |  |
| S5-237768 | Rel-18 CR 32.298 Correction of CHF CDR tenant and subscriber identifier | Ericsson LM | not pursued |  |  |
| S5-237769 | Rel-18 CR 32.254 Addition of Trusted AF | Ericsson LM | not pursued |  |  |
| S5-237770 | Rel-18 CR 32.298 Correction of record opening time | Ericsson LM | revised | S5-236699 | S5-238082 |
| S5-237771 | Rel-18 CR 32.255 Correction of record opening time | Ericsson LM | revised | S5-236701 | S5-238081 |
| S5-237772 | Rel-18 CR 32.298 Correction of duration | Ericsson LM | agreed | S5-236703 |  |
| S5-237773 | Rel-18 CR 32.255 Addition of invocation timestamp in CDR | Ericsson LM | revised | S5-236707 | S5-238083 |
| S5-237774 | Rel-18 CR 32.260 Addition of invocation timestamp in CDR | Ericsson LM | revised | S5-236711 | S5-238085 |
| S5-237775 | Rel-18 CR 32.291 Addition of invocation timestamp in CDR | Ericsson LM | revised | S5-236709 | S5-238084 |
| S5-237776 | Rel-18 CR 32.298 Addition of invocation timestamp in CHF CDR | Ericsson LM | revised | S5-236705 | S5-238086 |
| S5-237777 | Rel-18 CR 32.255 Correction of Multiple Unit Usage | Ericsson LM | revised | S5-236713 | S5-238087 |
| S5-237778 | Rel-17 CR 32.255 Correction of LBO CHF selection | Ericsson LM | revised |  | S5-238088 |
| S5-237779 | Rel-18 CR 32.255 Correction of LBO CHF selection | Ericsson LM | revised |  | S5-238089 |
| S5-237780 | Rel-18 CR 32.240 Addition of business CHF via consumer CHF | Ericsson LM | revised |  | S5-238016 |
| S5-237781 | Rel-18 CR 32.256 Addition of CHF selection by H-CHF | Ericsson LM | revised |  | S5-238032 |
| S5-237782 | Rel-18 CR 32.256 Addition of CHF to CHF flow | Ericsson LM | revised |  | S5-238033 |
| S5-237783 | Rel-18 CR 32.256 Addition of CHF information | Ericsson LM | revised |  | S5-238034 |
| S5-237784 | Rel-18 CR 32.255 Addition of CHF selection by H-CHF | Ericsson LM | merged |  | S5-238036 |
| S5-237785 | Rel-18 CR 32.255 Addition of CHF to CHF roaming charging profile | Ericsson LM | revised |  | S5-238037 |
| S5-237786 | Rel-18 CR 32.255 Addition of CHF to CHF flow | Ericsson LM | revised |  | S5-238042 |
| S5-237787 | Rel-18 CR 32.255 Addition of CHF information | Ericsson LM | revised |  | S5-238043 |
| S5-237788 | Rel-18 pCR 28.826 Removal of editor's note solution 1.21 | Ericsson LM | revised |  | S5-238038 |
| S5-237789 | Rel-18 pCR 28.826 Addition of solution for documentation | Ericsson LM | merged |  | S5-238039 |
| S5-237790 | Rel-18 pCR 28.826 Study conclusion and recommendations | Ericsson LM | revised |  | S5-238040 |
| S5-237791 | Rel-18 pCR 28.840 Addition of solution for CHF Selection by NF Consumers Information | Ericsson LM | revised |  | S5-238047 |
| S5-237792 | Rel-18 pCR 28.840 Addition of solution for CHF Selection based on SUPI or Group ID | Ericsson LM | approved |  |  |
| S5-237793 | Rel-18 pCR 28.840 Update of solution 4.1 Use NF type and CHF to CHF | Ericsson LM | revised |  | S5-238056 |
| S5-237794 | Rel-18 pCR 28.840 Addition of solution 4 Use NF type and SCP | Ericsson LM | approved |  |  |
| S5-237795 | Rel-18 pCR 28.840 Addition of solution 4 Use NF type and CHF redirect | Ericsson LM | approved |  |  |
| S5-237796 | Rel-17 CR 28.622 h70 NodeFilter | Nokia | not pursued |  | - |
| S5-237797 | Rel-18 CR 28.622 i40 NodeFilter | Nokia | not pursued |  | - |
| S5-237798 | Rel-19 SID MExpo | Nokia | revised |  | S5-238243 |
| S5-237799 | Rel-19 WID MExpo | Nokia | noted |  |  |
| S5-237800 | Rel-18 pCR 28.318 table of contents | Nokia | approved |  |  |
| S5-237801 | DP: Impacts of 3GPP Architecture on Cell Availability PM | Nokia | noted |  | - |
| S5-237802 | DP: Cell Availability | Nokia | noted |  | - |
| S5-237803 | Rel-18 pCR 32.27x Add scope | China Mobile Com. Corporation | revised |  | S5-238019 |
| S5-237804 | Rel-18 CR TS 28.554 Correction Utilization KPI definition of PDU session establishment time of network slice | China Mobile, Ericsson | agreed |  |  |
| S5-237805 | Rel-18 pCR 32.27x Add references | China Mobile Com. Corporation | revised |  | S5-238020 |
| S5-237806 | Rel-18 pCR 32.27x Add definitions of terms, symbols and abbreviations | China Mobile Com. Corporation | revised |  | S5-238021 |
| S5-237807 | Rel-18 pCR 32.27x Add general information for 5MBS charging | China Mobile Com. Corporation | approved |  | S5-238023 |
| S5-237808 | Rel-18 pCR 32.27x Add Bmbs interface information | China Mobile Com. Corporation | revised |  | S5-238025 |
| S5-237809 | Rel-18 CR 28.552 Add measurements related to NWDAF analytics service failure | Nokia, Nokia Shanghai Bell | revised |  | S5-238210 |
| S5-237810 | Rel-18 pCR 32.27x Add Ga interface information | China Mobile Com. Corporation | revised |  | S5-238026 |
| S5-237811 | Rel-18 CR TS 28.541 Correction of attributes defined in NWDAFFunction | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-237812 | New SID on Management aspect of Network Digital Twin | China Mobile E-Commerce Co. | revised |  | S5-238204 |
| S5-237813 | Rel-18 CR 28.541 Add satellite backhaul information for QoS monitoring per QoS flow per UE | China Telecom Corporation Ltd. | revised |  | S5-238104 |
| S5-237814 | Rel-18 CR 28.541 Add satellite backhaul information to support 5G system with satellite backhaul architecture | China Telecom Corporation Ltd. | revised |  | S5-238105 |
| S5-237815 | Rel-19 New WID on Data Management phase 2 | Nokia, Nokia Shanghai Bell | revised |  | S5-238200 |
| S5-237816 | Rel-18 CR 28.552 Add measurement related to time consumption of NWDAF providing ML model training service information | Nokia, Nokia Shanghai Bell | revised |  | S5-238289 |
| S5-237817 | Rel-18 CR 28.552 Add measurements related to NWDAF ML model training service failure | Nokia, Nokia Shanghai Bell | revised |  | S5-238211 |
| S5-237818 | Rel-19 New SID on Plan management | Nokia, Nokia Shanghai Bell | revised |  | S5-238199 |
| S5-237819 | Rel-18 CR TS 28.312 Revisions to ValueRange | China Mobile Com. Corporation | revised |  | S5-238176 |
| S5-237820 | Rel-18 CR TS 28.312 Update 6.1 and 7.1 to support the operations of unsubscribing intent reporting and querying intent reporting subscriptions | China Mobile Com. Corporation | revised |  | S5-238227 |
| S5-237821 | Rel-18 pCR 28.842 New KI on Context information for historical data | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-237822 | Rel-18 pCR 32.161 Improve Jex | Nokia, Nokia Shanghai Bell | merged |  | S5-238145 |
| S5-237823 | Rel-18 CR 32.291 Correction of tenant identifier | Ericsson LM | not pursued |  |  |
| S5-237824 | New WID on charging aspects of Satellite Backhaul in 5GS | CATT | revised |  | S5-237992 |
| S5-237825 | Introduce the charging business roles for the integration of satellite into 5GS | CATT | merged |  | S5-237994 |
| S5-237826 | Addition of the satellite backhaul in charging principle | CATT | revised |  | S5-237994 |
| S5-237827 | Add charging information for the satellite backhaul | CATT | revised |  | S5-237995 |
| S5-237828 | Add trigger conditions for the satellite backhaul | CATT | revised |  | S5-238060 |
| S5-237829 | Add message flow for the satellite backhaul | CATT | revised |  | S5-238061 |
| S5-237830 | Add the satellite backhaul information in EAS deployment charging | CATT | revised |  | S5-238062 |
| S5-237831 | Addition of the satellite backhaul in edge computing charging principles | CATT | revised |  | S5-238063 |
| S5-237832 | Input to DraftCR 28.105 Correction of ML Testing NRM | Ericsson India Private Limited | noted |  |  |
| S5-237833 | Rel-17 TS 28.105 Restore definition of attribute mLEntityList | Ericsson India Private Limited | not pursued |  |  |
| S5-237834 | Input to DraftCR TS 28.105 Discussion paper on AIML Inference NRM | Ericsson India Private Limited | noted |  |  |
| S5-237835 | Presentation of Specification/Report to TSG: TS 28.318, Version 0.3.0 (1.0.0) | Samsung Electronics GmbH | noted |  | - |
| S5-237836 | Rel-18 pCR 28.318 5.3 Corrections to Exposed coordinated recovery | Samsung Electronics GmbH | revised |  | S5-238222 |
| S5-237837 | Rel-18 pCR 28.318 Diverse clean ups and alignment | Samsung Electronics GmbH | revised |  | S5-238218 |
| S5-237838 | Discussion paper on triggers in charging stage 2 and stage 3 | Huawei | noted |  |  |
| S5-237839 | Rel-18 CR 32.291 Update the Trigger Type for IMS Charging | Huawei | revised |  | S5-238090 |
| S5-237840 | Rel-18 CR 32.260 Update on Triggers for IMS charging | Huawei | not pursued |  |  |
| S5-237841 | Rel-18 CR 32.256 Update on Triggers for AMF charging | Huawei | revised |  | S5-238091 |
| S5-237842 | Rel-18 CR 32.255 Clarification on message flow of home routed charging | Huawei | revised | S5-236610 | S5-238092 |
| S5-237843 | Rel-18 CR 32.255 Addition of Roaming Charging Profile Change | Huawei | revised |  | S5-238093 |
| S5-237844 | Rel-18 CR 32.255 Addition of 5G Data Connectivity Converged Charging per network slice | Huawei | revised |  | S5-238080 |
| S5-237845 | Rel-18 CR 32.255 Clarification on EPS to 5GS handover for roaming in Home routed scenario | Huawei | revised |  | S5-238094 |
| S5-237846 | Rel-17 CR 32.254 Correct the 5G VNGM Charging Information | Huawei | revised |  | S5-238253 |
| S5-237847 | Rel-18 CR 32.254 Correct the 5G VNGM Charging Information | Huawei | revised |  | S5-238254 |
| S5-237848 | Rel-17 CR 32.298 Correct the reference and term used for 5G charging | Huawei | revised |  | S5-238255 |
| S5-237849 | Rel-18 CR 32.298 Correct the reference and term used for 5G charging | Huawei | revised |  | S5-238256 |
| S5-237850 | Clarify the reference to CHF to CHF interaction | Huawei | revised |  | S5-238257 |
| S5-237851 | Rel-18 pCR 28.203 Update Charging principle for NSACF Charging | Huawei | revised |  | S5-237999 |
| S5-237852 | Rel-18 pCR 28.203 Clarification on the quota management | Huawei | merged |  | S5-238000 |
| S5-237853 | Rel-18 pCR 28.203 Clarification on the reporting in charging data message | Huawei | revised |  | S5-238001 |
| S5-237854 | Rel-18 pCR 28.203 Update for the event based charging | Huawei | revised |  | S5-237998 |
| S5-237855 | Rel-18 CR 32.255 Addition of the Architecture considerations for NPN charging | Huawei, China Mobile | revised |  | S5-238017 |
| S5-237856 | CR TS 32.291 Support of MBS charging in 5G data connectivity domain charging in Stage 3 | Huawei | revised |  | S5-238027 |
| S5-237857 | CR TS 32.291 Support of 5G Multicast-broadcast Services charging in Stage 3 | Huawei | not pursued |  | - |
| S5-237858 | Presentation of TS 32.282 for information and approval | Huawei | revised |  | S5-238015 |
| S5-237859 | Rel-18 pCR 32.282 Add message flows for 5GS bridge configuration and management charging | Huawei | revised |  | S5-238005 |
| S5-237860 | Rel-18 pCR 32.282 Add message flows for time synchronization service charging | Huawei | revised |  | S5-238006 |
| S5-237861 | Rel-18 pCR 32.282 Add message flows for QoS and TSC assistance service charging | Huawei | revised |  | S5-238007 |
| S5-237862 | Rel-18 pCR 32.282 Add message flows for TSC and TS service notification charging | Huawei | revised |  | S5-238008 |
| S5-237863 | Rel-18 pCR 32.282 Update CDR generation, record transfer and file transfer in charging scenarios | Huawei | approved |  |  |
| S5-237864 | Rel-18 pCR 32.282 Add the charging data request and response massage | Huawei | revised |  | S5-238009 |
| S5-237865 | Rel-18 pCR 32.282 Add the TSN charging CHF record data | Huawei | approved |  |  |
| S5-237866 | Rel-18 pCR 32.282 Define the structure of TSN Charging Information | Huawei | revised |  | S5-238010 |
| S5-237867 | Rel-18 pCR 32.282 Define the information for 5GS bridge configuration and management | Huawei | revised |  | S5-238011 |
| S5-237868 | Rel-18 pCR 32.282 Define the information for time synchronization service | Huawei | revised |  | S5-238012 |
| S5-237869 | Rel-18 pCR 32.282 Add the TSN charging parameter description, message format and binding | Huawei | revised |  | S5-238013 |
| S5-237870 | Rel-18 pCR 32.282 Update TSN charging information in charging principles | Huawei | approved |  |  |
| S5-237871 | Rel-18 CR 32.254 Add charging support for TSN service | Huawei | revised |  | S5-238014 |
| S5-237872 | Rel-18 CR 32.255 Clarify the selection of two LBO roaming architectures | Huawei | revised |  | S5-238035 |
| S5-237873 | Rel-18 CR 32.256 Clarify the selection of two LBO roaming architectures | Huawei | revised |  | S5-238031 |
| S5-237874 | Rel-18 CR 32.255 Add CHF to CHF interaction principle for LBO roaming | Huawei | revised |  | S5-238036 |
| S5-237875 | Rel-18 CR 32.290 Add CHF to CHF interaction failure handling | Huawei | revised |  | S5-238044 |
| S5-237876 | Rel-18 CR 32.290 Quota mangement for CHF to CHF communication | Huawei | revised | S5-236634 | S5-238045 |
| S5-237877 | Rel-18 pCR 28.840 Resolve EN in solution #1.4 for CHF selection by NF instance | Huawei | noted |  |  |
| S5-237878 | Add charging requirements for satellite access charging | CATT | revised |  | S5-238057 |
| S5-237879 | Add satellite indication for satellite charging | CATT | not pursued |  |  |
| S5-237880 | Add satellite feature for satellite access charging | CATT | revised |  | S5-238058 |
| S5-237881 | TR 28.844 Rapporteur cleanup | CATT | revised |  | S5-238059 |
| S5-237882 | Correction of attribute properties | Ericsson | withdrawn |  |  |
| S5-237883 | New SID on Management of IAB Nodes | Ericsson LM | revised |  | S5-238207 |
| S5-237884 | New WID on Support for Subscriber and Equipment Trace and QoE collection functionality in RAN and core network | Ericsson | revised |  | S5-238205 |
| S5-237885 | New SID on data management, subscriptions and reporting | Ericsson | revised |  | S5-238201 |
| S5-237886 | New WID on Provide management functions for Rel-19 traffic and radio functions in the RAN and the core network | Ericsson | noted |  |  |
| S5-237887 | Rel-18 CR TS 28.623 Align N38 in SMF with TS23.501 | Ericsson LM | revised | S5-237560 | S5-237888 |
| S5-237888 | Rel-18 CR TS 28.623 Align N38 in SMF with TS23.501 | Ericsson Ltd | revised | S5-237887 | S5-238251 |
| S5-237889 | Rel-16 CR 32.423 Correct trace administrative message definitions | Ericsson Inc. | revised |  | S5-238336 |
| S5-237890 | Rel-17 CR 32.423 Correct trace administrative message definitions | Ericsson Inc. | revised |  | S5-238337 |
| S5-237891 | Rel-18 CR 32.423 Correct trace administrative message definitions | Ericsson Inc. | revised |  | S5-238338 |
| S5-237892 | DP on simplifying the decision-making architecture | VODAFONE Group Plc | revised |  | S5-238198 |
| S5-237893 | Correction of attribute properties | Ericsson | withdrawn |  |  |
| S5-237894 | Discussion paper on datatype visualization | Ericsson Inc. | revised |  | S5-238286 |
| S5-237895 | Correction of attribute properties | Ericsson | withdrawn |  |  |
| S5-237896 | Rel-18 CR 28.532 Clarify streaming data reporting service definitions | Ericsson Inc. | agreed |  |  |
| S5-237897 | Correction of attribute properties | Ericsson | withdrawn |  |  |
| S5-237898 | Rel-17 CR 28.622 Add measurement bin support to NRM | Ericsson Inc. | revised |  | S5-238314 |
| S5-237899 | Rel-18 CR 28.622 Add measurement bin support to NRM | Ericsson Inc.,Nokia | revised |  | S5-238315 |
| S5-237900 | Rel-17 CR 28.623 Add measurement bin support to NRM (stage3, yang) | Ericsson Inc. | revised |  | S5-238316 |
| S5-237901 | Rel-18 CR 28.623 Add measurement bin support to NRM (stage3, yang) | Ericsson Inc. | revised |  | S5-238317 |
| S5-237902 | Correction of attribute properties | Ericsson | withdrawn |  |  |
| S5-237903 | Rel-18 pCR TS 28.318 Cell Availability performance measurement definition | Nokia Hungary | revised |  | S5-238221 |
| S5-237904 | Rel-18 CR TS28.532 update the reference for TraceJob in StreamingDataReport MnS | Huawei | agreed |  |  |
| S5-237905 | Correction of attribute properties | Ericsson | withdrawn |  |  |
| S5-237906 | Rel-17 CR 28.312 Correct create an intent procedure | Ericsson Inc. | revised |  | S5-238302 |
| S5-237907 | Rel-18 CR 28.312 Correct create an intent procedure | Ericsson Inc. | revised |  | S5-238303 |
| S5-237908 | Correction of attribute properties | Ericsson | withdrawn |  |  |
| S5-237909 | Rel-16 CR 32.158 Clarify mapping of DNs to URIs | Ericsson Inc. | not pursued |  |  |
| S5-237910 | Correction of attribute properties | Ericsson | withdrawn |  |  |
| S5-237911 | Rel-17 CR 32.158 Clarify mapping of DNs to URIs | Ericsson Inc. | not pursued |  |  |
| S5-237912 | Rel-17 CR TS28.623 Align N38 in SMF with TS23.501 | Ericsson LM | revised | S5-237558 | S5-238250 |
| S5-237913 | Rel-18 CR 32.158 Clarify mapping of DNs to URIs | Ericsson Inc. | not pursued |  |  |
| S5-237914 | Rel-18 pCR TS 28.318 Stage 2 definition for exposing performance and prediction information for high availability | Nokia Hungary | noted |  | - |
| S5-237915 | Rel-18 CR 28.541 Correct redundant attribute definitions | Ericsson Inc. | revised |  | S5-238321 |
| S5-237916 | Rel-18 pCR TS 28.318 Stage 3 definition for exposing performance and prediction information for high availability | Nokia Hungary | noted |  |  |
| S5-237917 | Rel-18 CR 32.156 Editorial clean up | Ericsson Inc. | revised |  | S5-238330 |
| S5-237918 | Rel-18 pCR TS 28.318 Procedure for exposing performance and prediction information for high availability | Nokia Hungary | noted |  |  |
| S5-237919 | Rel-16 CR TS 28.623 Align N38 in SMF with TS23.501 | Ericsson Ltd | revised | S5-237557 | S5-238249 |
| S5-237920 | Rel-16 CR TS28.623 Adding N16 and N16a into module\_3gpp-common-trace.yang | Ericsson LM | agreed |  |  |
| S5-237921 | Rel-18 Input to Draft CR 28.105 add UC for ML Evaluation | China Mobile Com. Corporation | noted |  |  |
| S5-237922 | Rel-17 CR TS28.623 Adding N16 and N16a into module\_3gpp-common-trace.yang | Ericsson LM | agreed |  |  |
| S5-237923 | Rel-18 Input to Draft CR 28.105 add UC for ML Knowledge Transfer Learning | China Mobile Com. Corporation | not treated |  |  |
| S5-237924 | Rel-18 Input to Draft CR 28.105 add Description, UC and requirements for ML emulation phase | China Mobile Com. Corporation | merged |  | S5-238132 |
| S5-237925 | Rel-18 CR TS28.623 Adding N16 and N16a into module\_3gpp-common-trace.yang | Ericsson Ltd | agreed |  |  |
| S5-237926 | Rel-18 Input to Draft CR 28.105 modification on description of AIML update control | China Mobile Com. Corporation | revised |  | S5-238118 |
| S5-237927 | Rel-18 Input to Draft CR 28.105 modification on ML training initiated by producer | China Mobile Com. Corporation | revised |  | S5-238123 |
| S5-237928 | New Rel-19 Study on Management of Network Sharing Phase 3 | China Unicom, China Telcom, Ericsson, Huawei, ZTE, CMCC | revised |  | S5-238209 |
| S5-237929 | Rel-18 CR TS 32.130 Add requirements for NG-RAN MOCN network sharing scenario with multiple Cell Identity broadcast | China Unicom | agreed |  |  |
| S5-237930 | Rel-18 Add KPI on Energy Efficiency of URLLC Network Slice based on reliability | China Unicom, Ericsson | not pursued |  |  |
| S5-237931 | Rel-18 CR 28.554 Add new KPI on DL reliability with delay threshold in RAN | China Unicom | not pursued |  |  |
| S5-237932 | Discussion paper on isolation and sharing | L.M. Ericsson Limited | withdrawn |  |  |
| S5-237933 | Rel-18 CR TS 28.623 Removal of the Corba and XML Solution Sets | Ericsson Hungary Ltd | not pursued |  | - |
| S5-237934 | Rel-18 pCR TR 28.842 New key issue on the definition of NodeFilter and dataScope in ManagementDataCollection | Nokia, Nokia Shanghai Bell | revised |  | S5-238271 |
| S5-237935 | Rel-18 pCR TR 28.842 Potential solution for discovery of stored data | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-237936 | Rel-18 pCR TR 28.842 Potential solution to report supported capabilities | Nokia, Nokia Shanghai Bell | revised |  | S5-238274 |
| S5-237937 | Rel-17 CR TS 28.632 Correct multiplicities in relations to ManagedFunction | Nokia, Nokia Shanghai Bell | revised |  | S5-238332 |
| S5-237938 | Rel-18 CR 28.532 Remove-Update FM related parts | Ericsson Hungary Ltd | not pursued |  |  |
| S5-237939 | Update references from TS 28.526 to ETSI NFV IFA 013 | Microsoft | revised |  | S5-238215 |
| S5-237940 | Rel-18 CR 28.622 Remove-Update FM related parts | Ericsson Hungary Ltd. | not pursued | S5-237043 |  |
| S5-237941 | LS on issues with Packet Uu Loss Rate with delay threshold in the DL per DRB per UE | Samsung Electronics Iberia SA | approved |  |  |
| S5-237942 | Rel-18 CR 28.623 Remove-Update FM related parts | Ericsson Hungary Ltd. | not pursued | S5-237044 |  |
| S5-237943 | DP on discovery of stored management data | Microsoft Europe SARL | endorsed |  |  |
| S5-237944 | pCR 28.842 Potential solution for retrieval of stored management data | Microsoft Europe SARL,Nokia | approved |  |  |
| S5-237945 | pCR 28.842 Potential solution for discovery of stored management data | Microsoft Europe SARL | approved |  |  |
| S5-237946 | Rel-18 CR TS 28.541 Add slice validity info to ServiceProfile | Samsung Electronics Iberia SA | not pursued |  | - |
| S5-237947 | Rel-18 CR TS 28.554 KPI for EE of URLLC NS based on its reliability | Samsung Electronics Iberia SA | not pursued |  |  |
| S5-237948 | DP on unifying Confusing Control Loops | ZTE Corporation | noted |  |  |
| S5-237949 | DP on analysis of dependency of NFs' enhancement for measurements per UE | ZTE Corporation | noted |  |  |
| S5-237950 | Rel-18 pCR TS 28.318 NRM definitions\_Coordinated Rapid Recovery | Samsung Electronics Iberia SA | revised |  | S5-238224 |
| S5-237951 | Rel-18 pCR TS 28.318 NRM definitions Network Performance Monitoring | Samsung Electronics Iberia SA | revised |  | S5-238223 |
| S5-237952 | Rel-18 Ts 28.541 Correction of yang code for sliceprofile | Ericsson India Private Limited | agreed |  |  |
| S5-237953 | Rel-18 pCR TS 28.318 PMs and KPI definition for NSOEU | Samsung Electronics Iberia SA | approved |  |  |
| S5-237954 | Rel-18 pCR TR 32.27x MBS Termination Trigger | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-237955 | pCR Add structure for new draft TS 28.abc UE level measurements | Intel | approved | S5-237554 |  |
| S5-237956 | Rel-18 pCR TR 32.27x MBS Charging Principles | Nokia, Nokia Shanghai Bell | revised |  | S5-238022 |
| S5-237957 | Rel-18 TS 28.623 YANG Correction of GeoAreaGrp and GeoCoordinateGrp | Ericsson India Private Limited | revised |  | S5-238284 |
| S5-237958 | Rel-17 CR 28.623 YANG Correction of attribute type TaiGrp | Ericsson India Private Limited | revised |  | S5-238325 |
| S5-237959 | Rel-16 CR TS 28.632 Correct multiplicities in relations to ManagedFunction | Nokia, Nokia Shanghai Bell | revised |  | S5-238331 |
| S5-237960 | Rel-16 CR TS28.536 Fix the properties of attributes | ZTE Corporation | not pursued |  |  |
| S5-237961 | Rel-17 CR TS28.536 Fix the properties of attributes | ZTE Corporation | agreed |  |  |
| S5-237962 | Rel-17 CR 28.623 YANG Corrections (SA5#152) | Ericsson Hungary Ltd | agreed |  |  |
| S5-237963 | Rel-17 CR 28.541 YANG Corrections (SA5#152) | Ericsson Hungary Ltd | agreed |  |  |
| S5-237964 | Discussion paper on Alarm definition | Ericsson Hungary Ltd | revised |  | S5-238120 |
| S5-237965 | Rel-17 CR 28.556 Correction of attribute properties | Ericsson-LG Co., LTD | revised |  | S5-238333 |
| S5-237966 | Rel-17 CR 28.536 Correction of attribute properties | Ericsson-LG Co., LTD | revised |  | S5-238189 |
| S5-237967 | Correction of attribute properties | Ericsson-LG Co., LTD | revised |  | S5-238174 |
| S5-237968 | Rel-18 CR 28.104 Correction of attribute properties | Ericsson-LG Co., LTD | revised |  | S5-238175 |
| S5-237969 | Rel-15 CR 28.541 Correction of attribute properties | Ericsson-LG Co., LTD | revised |  | S5-238190 |
| S5-237970 | Rel-16 CR 28.541 Correction of attribute properties | Ericsson-LG Co., LTD | revised |  | S5-238191 |
| S5-237971 | Correction of attribute properties | Ericsson | revised |  | S5-238192 |
| S5-237972 | Rel-18 CR 28.541 Correction of attribute properties | Ericsson | revised |  | S5-238193 |
| S5-237973 | Introduction of SBMA in 32.300 | Ericsson | revised |  | S5-238143 |
| S5-237974 | Update on autonomous networks key effectiveness indicators  LS(23)0004 Update on autonomous networks key effectiveness indicators | TM Forum | postponed | - | - |
| S5-237975 | CH agenda and time plan | SA5 SWG CH Chair (MATRIXX Software) | noted | S5-237309 | - |
| S5-237976 | Resolve References to nrm yaml | MATRIXX Software | agreed | S5-237461 | - |
| S5-237977 | Draft TS 28.203 | MATRIXX Software | approved | - | - |
| S5-237978 | Draft TS 28.204 | MATRIXX Software | approved | - | - |
| S5-237979 | Draft TS 32.27x | China Mobile | approved | - | - |
| S5-237980 | Draft TS 32.282 | Huawei | approved | - | - |
| S5-237981 | Draft TR 28.826 | Ericsson | approved | - | - |
| S5-237982 | Draft TR 28.840 | Nokia, Nokia Shanghai Bell | approved | - | - |
| S5-237983 | Draft TR 28.844 | CATT | approved | - | - |
| S5-237984 | Draft TR 28.845 | China Telecom | approved | - | - |
| S5-237985 | Revised WID on Charging Aspects of Network Slicing Phase 2 | MATRIXX Software | agreed | - | - |
| S5-237986 | Rel-17 CR 32.291 Update OpenAPI version | Huawei | agreed | - | - |
| S5-237987 | Rel-18 CR 32.291 Update OpenAPI version | Huawei | agreed | - | - |
| S5-237988 | New WID on NEF Charging enhancement to support AI/ML in 5GS | OPPO | agreed | S5-237356 | - |
| S5-237989 | AI/ML support for NEF based charging | OPPO Beijing | agreed | S5-237357 | - |
| S5-237990 | Rel-18 CR TS 32291 AI/ML support for NEF based charging | OPPO Beijing | withdrawn | - | - |
| S5-237991 | Rel-18 CR TS 32298 AI/ML support for NEF based charging | OPPO Beijing | withdrawn | - | - |
| S5-237992 | New WID on charging aspects of Satellite Backhaul in 5GS | CATT | agreed | S5-237824 | - |
| S5-237993 | Introduce the charging business roles for the integration of satellite into 5GS | CATT | withdrawn | - | - |
| S5-237994 | Addition of the satellite backhaul in charging principle | CATT | agreed | S5-237826 | - |
| S5-237995 | Add charging information for the satellite backhaul | CATT | agreed | S5-237827 | - |
| S5-237996 | Rel-18 pCR TS 28.203 Clarify IEC and ECUR scenarios | MATRIXX Software | approved | S5-237456 | - |
| S5-237997 | Rel-18 pCR TS 28.203 Addition of ECUR in triggers table | MATRIXX Software | approved | S5-237457 | - |
| S5-237998 | Rel-18 pCR 28.203 Update for the event based charging | Huawei | approved | S5-237854 | - |
| S5-237999 | Rel-18 pCR 28.203 Update Charging principle for NSACF Charging | Huawei | approved | S5-237851 | - |
| S5-238000 | Rel-18 pCR TS 28.203 Clarify Quota management description | MATRIXX Software | approved | S5-237458 | - |
| S5-238001 | Rel-18 pCR 28.203 Clarification on the reporting in charging data message | Huawei | approved | S5-237853 | - |
| S5-238002 | Addition of CHF-CHF architecture to support Network Slice Charging | MATRIXX Software | agreed | S5-237529 | - |
| S5-238003 | Rel-18 pCR TS 28.204 Introduction of Detailed message format for converged charging | MATRIXX Software | approved | S5-237452 | - |
| S5-238004 | Presentation of TS 28.204 to SA#102 | MATRIXX Software | approved | S5-237455 | - |
| S5-238005 | Rel-18 pCR 32.282 Add message flows for 5GS bridge configuration and management charging | Huawei | approved | S5-237859 | - |
| S5-238006 | Rel-18 pCR 32.282 Add message flows for time synchronization service charging | Huawei | approved | S5-237860 | - |
| S5-238007 | Rel-18 pCR 32.282 Add message flows for QoS and TSC assistance service charging | Huawei | approved | S5-237861 | - |
| S5-238008 | Rel-18 pCR 32.282 Add message flows for TSC and TS service notification charging | Huawei | approved | S5-237862 | - |
| S5-238009 | Rel-18 pCR 32.282 Add the charging data request and response massage | Huawei | approved | S5-237864 | - |
| S5-238010 | Rel-18 pCR 32.282 Define the structure of TSN Charging Information | Huawei | approved | S5-237866 | - |
| S5-238011 | Rel-18 pCR 32.282 Define the information for 5GS bridge configuration and management | Huawei | approved | S5-237867 | - |
| S5-238012 | Rel-18 pCR 32.282 Define the information for time synchronization service | Huawei | approved | S5-237868 | - |
| S5-238013 | Rel-18 pCR 32.282 Add the TSN charging parameter description, message format and binding | Huawei | approved | S5-237869 | - |
| S5-238014 | Rel-18 CR 32.254 Add charging support for TSN service | Huawei | agreed | S5-237871 | - |
| S5-238015 | Presentation of TS 32.282 for information and approval | Huawei | approved | S5-237858 | - |
| S5-238016 | Rel-18 CR 32.240 Addition of business CHF via consumer CHF | Ericsson LM | agreed | S5-237780 | - |
| S5-238017 | Rel-18 CR 32.255 Addition of the Architecture considerations for NPN charging | Huawei, China Mobile | agreed | S5-237855 | - |
| S5-238018 | Remove MBS session charging information | China Mobile Com. Corporation, Huawei | agreed | S5-237753 | - |
| S5-238019 | Rel-18 pCR 32.27x Add scope | China Mobile Com. Corporation | agreed | S5-237803 | - |
| S5-238020 | Rel-18 pCR 32.27x Add references | China Mobile Com. Corporation | agreed | S5-237805 | - |
| S5-238021 | Rel-18 pCR 32.27x Add definitions of terms, symbols and abbreviations | China Mobile Com. Corporation | agreed | S5-237806 | - |
| S5-238022 | Rel-18 pCR TR 32.27x MBS Charging Principles | Nokia, Nokia Shanghai Bell | approved | S5-237956 | - |
| S5-238023 | Rel-18 pCR 32.27x Add general information for 5MBS charging | China Mobile Com. Corporation | approved | S5-237807 | - |
| S5-238024 | Rel-18 pCR 32.27x Add MBS session charging information | China Mobile Com. Corporation | approved | S5-237756 | - |
| S5-238025 | Rel-18 pCR 32.27x Add Bmbs interface information | China Mobile Com. Corporation | approved | S5-237808 | - |
| S5-238026 | Rel-18 pCR 32.27x Add Ga interface information | China Mobile Com. Corporation | approved | S5-237810 | - |
| S5-238027 | CR TS 32.291 Support of MBS charging in 5G data connectivity domain charging in Stage 3 | Huawei | agreed | S5-237856 | - |
| S5-238028 | CR TS 32.291 Support of 5G Multicast-broadcast Services charging in Stage 3 | Huawei | withdrawn | - | - |
| S5-238029 | TS 32.27x Presentation for Information | China Mobile | approved | - | - |
| S5-238030 | R18 CR 32.255 Add clarification text for use of UE behind the RGs | China Unicom, Huawei | agreed | S5-237657 | - |
| S5-238031 | Rel-18 CR 32.256 Clarify the selection of two LBO roaming architectures | Huawei | agreed | S5-237873 | - |
| S5-238032 | Rel-18 CR 32.256 Addition of CHF selection by H-CHF | Ericsson LM | agreed | S5-237781 | - |
| S5-238033 | Rel-18 CR 32.256 Addition of CHF to CHF flow | Ericsson LM | agreed | S5-237782 | - |
| S5-238034 | Rel-18 CR 32.256 Addition of CHF information | Ericsson LM | agreed | S5-237783 | - |
| S5-238035 | Rel-18 CR 32.255 Clarify the selection of two LBO roaming architectures | Huawei | agreed | S5-237872 | - |
| S5-238036 | Rel-18 CR 32.255 Add CHF to CHF interaction principle for LBO roaming | Huawei | agreed | S5-237874 | - |
| S5-238037 | Rel-18 CR 32.255 Addition of CHF to CHF roaming charging profile | Ericsson LM | agreed | S5-237785 | - |
| S5-238038 | Rel-18 pCR 28.826 Removal of editor's note solution 1.21 | Ericsson LM | approved | S5-237788 | - |
| S5-238039 | Rel-18 pCR 28.826 Introduce one Solution for common IEs with clause 6 evaluation and conclusion | MATRIXX Software | agreed | S5-237459 | - |
| S5-238040 | Rel-18 pCR 28.826 Study conclusion and recommendations | Ericsson LM | approved | S5-237790 | - |
| S5-238041 | TR 28.826 Presentation for approval | Ericsson | approved | - | - |
| S5-238042 | Rel-18 CR 32.255 Addition of CHF to CHF flow | Ericsson LM | agreed | S5-237786 | - |
| S5-238043 | Rel-18 CR 32.255 Addition of CHF information | Ericsson LM | agreed | S5-237787 | - |
| S5-238044 | Rel-18 CR 32.290 Add CHF to CHF interaction failure handling | Huawei | agreed | S5-237875 | - |
| S5-238045 | Rel-18 CR 32.290 Quota mangement for CHF to CHF communication | Huawei | agreed | S5-237876 | - |
| S5-238046 | Rel-18 pCR TR 28.840 Editorial Correction | Nokia, Nokia Shanghai Bell, Amdocs | approved | S5-237568 | - |
| S5-238047 | Rel-18 pCR 28.840 Addition of solution for CHF Selection by NF Consumers Information | Ericsson LM | approved | S5-237791 | - |
| S5-238048 | Rel-18 pCR TR 28.840 Solutions Evaluation Topci#1 | Nokia, Nokia Shanghai Bell, Amdocs | approved | S5-237569 | - |
| S5-238049 | Rel-18 pCR TR 28.840 Solutions Evaluation Topic#2 | Nokia, Nokia Shanghai Bell, Amdocs | approved | S5-237570 | - |
| S5-238050 | Rel-18 pCR TR 28.840 Topic #3 for CHF Selection | Nokia, Nokia Shanghai Bell, Amdocs | approved | S5-237572 | - |
| S5-238051 | Adding Key Issue for Topic 4 | Amdocs, Nokia, Nokia Shanghai Bell | approved | S5-237473 | - |
| S5-238052 | Solution for Topic 4 Key Issue 4a | Amdocs Software Systems Ltd | approved | S5-237478 | - |
| S5-238053 | Solution for Topic 4 key Issue 4b and 4d | Amdocs, Nokia, Nokia Shanghai Bell | approved | S5-237475 | - |
| S5-238054 | Charging Domain in Nchf Converged Charging SBI | Amdocs, Nokia, Nokia Shanghai Bell | approved | S5-237476 | - |
| S5-238055 | HTTP2 Header Based Routing | Amdocs, Nokia, Nokia Shanghai Bell | approved | S5-237477 | - |
| S5-238056 | Rel-18 pCR 28.840 Update of solution 4.1 Use NF type and CHF to CHF | Ericsson LM | approved | S5-237793 | - |
| S5-238057 | Add charging requirements for satellite access charging | CATT | agreed | S5-237878 | - |
| S5-238058 | Add satellite feature for satellite access charging | CATT | agreed | S5-237880 | - |
| S5-238059 | TR 28.844 Rapporteur cleanup | CATT | approved | S5-237881 | - |
| S5-238060 | Add trigger conditions for the satellite backhaul | CATT | agreed | S5-237828 | - |
| S5-238061 | Add message flow for the satellite backhaul | CATT | agreed | S5-237829 | - |
| S5-238062 | Add the satellite backhaul information in EAS deployment charging | CATT | agreed | S5-237830 | - |
| S5-238063 | Addition of the satellite backhaul in edge computing charging principles | CATT | agreed | S5-237831 | - |
| S5-238064 | Rel-18 pCR TR 28.845 Update Solution for 5GS charging of Ranging Sidelink Positioning UE Discovery | China Telecom | approved | S5-237663 | - |
| S5-238065 | Rel-18 pCR TR 28.845 Update Solution for 5GS charging of UE only Sidelink Positioning for Target UE using Located UE | China Telecom | approved | S5-237665 | - |
| S5-238066 | Rel-18 pCR TR 28.845 Update Solution for 5GS charging of Ranging SL Positioning service exposure | China Telecom | approved | S5-237668 | - |
| S5-238067 | Rel-18 pCR TR 28.845 Add Evaluation and Conclusion for 5GS charging of Ranging Sidelink Positioning UE Discovery | China Telecom | approved | S5-237669 | - |
| S5-238068 | Rel-18 pCR TR 28.845 Add Evaluation and Conclusion for 5GS charging of UE only Sidelink Positioning for Target UE using Located UE | China Telecom | approved | S5-237671 | - |
| S5-238069 | Presentation of TR 28.845 for Information | China Telecom | approved | - | - |
| S5-238070 | Rel-18 CR TS 32.254 Enhance Application Charging description | Nokia, Nokia Shanghai Bell | agreed | S5-237566 | - |
| S5-238071 | Rel-18 CR TS 32.290 Failure handling without CHF connectivity | Nokia. Nokia Shanghai Bell | agreed | S5-237576 | - |
| S5-238072 | Rel-16 CR 32.254 Correcting identifiers as a list | Ericsson LM | agreed | S5-237758 | - |
| S5-238073 | Rel-17 CR 32.254 Correcting identifiers as a list | Ericsson LM | agreed | S5-237759 | - |
| S5-238074 | Rel-18 CR 32.254 Correction of cardinality for NEF external id | Ericsson LM | agreed | S5-237760 | - |
| S5-238075 | Rel-16 CR 32.291 Correction of cardinality for NEF external id | Ericsson LM | agreed | S5-237761 | - |
| S5-238076 | Rel-17 CR 32.291 Correction of cardinality for NEF external id | Ericsson LM | agreed | S5-237762 | - |
| S5-238077 | Rel-18 CR 32.291 Correction of cardinality for NEF external id | Ericsson LM | agreed | S5-237763 | - |
| S5-238078 | Rel-17 CR 32.298 Correction of NEF external id as a list | Ericsson LM | agreed | S5-237764 | - |
| S5-238079 | Rel-18 CR 32.298 Correction of cardinality for NEF external id | Ericsson LM | agreed | S5-237765 | - |
| S5-238080 | Rel-18 CR 32.255 Addition of 5G Data Connectivity Converged Charging per network slice | Huawei | agreed | S5-237844 | - |
| S5-238081 | Rel-18 CR 32.255 Correction of record opening time | Ericsson LM | agreed | S5-237771 | - |
| S5-238082 | Rel-18 CR 32.298 Correction of record opening time | Ericsson LM | agreed | S5-237770 | - |
| S5-238083 | Rel-18 CR 32.255 Addition of invocation timestamp in CDR | Ericsson LM | agreed | S5-237773 | - |
| S5-238084 | Rel-18 CR 32.291 Addition of invocation timestamp in CDR | Ericsson LM | agreed | S5-237775 | - |
| S5-238085 | Rel-18 CR 32.260 Addition of invocation timestamp in CDR | Ericsson LM | agreed | S5-237774 | - |
| S5-238086 | Rel-18 CR 32.298 Addition of invocation timestamp in CHF CDR | Ericsson LM | agreed | S5-237776 | - |
| S5-238087 | Rel-18 CR 32.255 Correction of Multiple Unit Usage | Ericsson LM | agreed | S5-237777 | - |
| S5-238088 | Rel-17 CR 32.255 Correction of LBO CHF selection | Ericsson LM | agreed | S5-237778 | - |
| S5-238089 | Rel-18 CR 32.255 Correction of LBO CHF selection | Ericsson LM | agreed | S5-237779 | - |
| S5-238090 | Rel-18 CR 32.291 Update the Trigger Type for IMS Charging | Huawei | agreed | S5-237839 | - |
| S5-238091 | Rel-18 CR 32.256 Update on Triggers for AMF charging | Huawei | agreed | S5-237841 | - |
| S5-238092 | Rel-18 CR 32.255 Clarification on message flow of home routed charging | Huawei | agreed | S5-237842 | - |
| S5-238093 | Rel-18 CR 32.255 Addition of Roaming Charging Profile Change | Huawei | agreed | S5-237843 | - |
| S5-238094 | Rel-18 CR 32.255 Clarification on EPS to 5GS handover for roaming in Home routed scenario | Huawei | agreed | S5-237845 | - |
| S5-238095 | SA5 working procedures | WG Chair, WG Vice Chair(Ericsson) | approved | S5-237314 | - |
| S5-238096 | LS reply on inputs for mapping GSMA OPG architecture roles with 3GPP defined Edge architectures | Samsung R&D Institute India | approved | S5-237707 | - |
| S5-238097 | Reply LS on Monitoring of Encrypted 5GS Signalling Traffic | S3-235009 | noted | - | - |
| S5-238098 | Reply to: Reply LS on area scope for QoE measurements | Ericsson | approved | - | - |
| S5-238099 | Reply to: Reply LS on Enhancement on the attribute for 5GLAN management | China Mobile | approved | - | - |
| S5-238100 | Reply LS on MDT measurements collection in MR-DC | Huawei | withdrawn | - | - |
| S5-238101 | Reply LS on MDT for NPN | Ericsson LM | approved | S5-237504 | - |
| S5-238102 | Reply to: LS on user consent for SON/MDT for NB-IoT Ues | Ericsson | approved | - | - |
| S5-238103 | Reply to: LS on QoE measurement collection for application sessions delivered via MBS broadcast or multicast | Ericsson | approved | - | - |
| S5-238104 | Rel-18 CR 28.541 Add satellite backhaul information for QoS monitoring per QoS flow per UE | China Telecom Corporation Ltd. | revised | S5-237813 | S5-238246 |
| S5-238105 | Rel-18 CR 28.541 Add satellite backhaul information to support 5G system with satellite backhaul architecture | China Telecom Corporation Ltd. | revised | S5-237814 | S5-238247 |
| S5-238106 | LS to SA2 on network energy related information exposure | Huawei | approved | S5-237435 | - |
| S5-238107 | LS on the progress update of AI/ML Management specifications in SA5 | NEC, Intel | approved | S5-237585 | - |
| S5-238108 | LS reply for LS on user consent for SON/MDT for NB-IoT Ues | S3-235004 | postponed | - | - |
| S5-238109 | Rel-18 InputToDraftCR 28.533 on concept of Entities, Information Model for Access control | Nokia UK,Telefonica,DTAG | approved | S5-237581 | - |
| S5-238110 | Rel-18 Input to draft CR TS 28.104 Predictions of maintenance management related PMs | Nokia, Nokia Shangai Bell | approved | S5-237628 | - |
| S5-238111 | Rel-18 Input to draft CR TS 28.105 Use case and requirements for ML Inference activation | Nokia, Nokia Shanghai Bell, NTT DOCOMO, Intel | approved | S5-237499 | - |
| S5-238112 | Rel-18 Input to draft CR TS 28.105 NRM for AIML activation policies | Nokia, Nokia Shanghai Bell | approved | S5-237501 | - |
| S5-238113 | Rel-18 Input to draft CR TS 28.105 Configuration of Energy Saving Functions | Nokia, Nokia Shanghai Bell | noted | S5-237484 | - |
| S5-238114 | Minutes of the breakout session | Intel | noted | - | - |
| S5-238115 | Rel-18 Input to draft CR TS 28.105 ML Triggering AIML Inference | Nokia, Nokia Shanghai Bell | noted | S5-237482 | - |
| S5-238116 | Rel-18 Input to draft CR TS 28.105 AIML Inference Outcomes | Nokia, Nokia Shanghai Bell | noted | S5-237483 | - |
| S5-238117 | Rel 18 Input to DraftCR TS 28.105 AIML Inference History NRM | Nokia, Nokia Shanghai Bell | noted | S5-237536 | - |
| S5-238118 | Rel-18 Input to Draft CR 28.105 modification on description of AIML update control | China Mobile Com. Corporation | noted | S5-237926 | - |
| S5-238119 | Rel-18 InputToDraftCR TS 28.105 Add deployment scenarios for AIML related functions | Huawei | revised | S5-237694 | S5-238347 |
| S5-238120 | Discussion paper on Alarm definition | Ericsson Hungary Ltd | noted | S5-237964 | - |
| S5-238121 | Rel-18 Input to draft CR TS 28.105 Information on executed AIML Actions | Nokia, Nokia Shanghai Bell | noted | S5-237489 | - |
| S5-238122 | Input to DraftCR 28.105 Add NRMs for actions executed according to the inference report | Intel, NEC | noted | S5-237550 | - |
| S5-238123 | Rel-18 Input to Draft CR 28.105 modification on ML training initiated by producer | China Mobile Com. Corporation | approved | S5-237927 | - |
| S5-238124 | Rel 17 CR TS 28.105 Resolve issues related to the usage of confidenceIndication attribute | Nokia, Nokia Shanghai Bell | agreed | S5-237534 | - |
| S5-238125 | Rel 18 CR TS 28.105 Resolve issues related to the usage of confidenceIndication attribute | Nokia, Nokia Shanghai Bell | agreed | S5-237535 | - |
| S5-238126 | Rel-18 Input to draft CR TS 28.105 Description, Use case and requirements for Context of ML Entities | Nokia, Nokia Shangai Bell | noted | S5-237632 | - |
| S5-238127 | Tuesday Q0 Breakout on 5.3 Trace OAM/CH LS disc | Nokia | noted | - | - |
| S5-238128 | Tuesday Q0 Breakout on 6.4.2 eMDAS | Intel | noted | - | - |
| S5-238129 | Tuesday Q2 Breakout on 6.6.1 MSAC | Nokia | noted | - | - |
| S5-238130 | Thursday Q0 Breakout on 6.5.1 Fault Mgmt 28.111 | Ericsson | noted | - | - |
| S5-238131 | Rel-18 Input to draft CR TS 28.105 ML entity versions and artefacts | Nokia Belgium | noted | S5-237520 | - |
| S5-238132 | Rel-18 Input to draft CR TS 28.105 ML Inference emulation Requirements | Nokia, Nokia Shanghai Bell, NTT DOCOMO, NEC | approved | S5-237488 | - |
| S5-238133 | New Rel-19 SID Study on AI and ML management phase 2 | Intel, NEC | agreed | S5-237542 | - |
| S5-238134 | New SID: Study on Management Data Analytics (MDA) – Phase 3 | NEC, Intel | revised | S5-237608 | S5-238351 |
| S5-238135 | New Rel-19 Study on intent driven management services for mobile networks phase 3 | Huawei | agreed | S5-237660 | - |
| S5-238136 | New Study on Closed Control loop management | Samsung R&D Institute India | agreed | S5-237702 | - |
| S5-238137 | Rel18 28.541 YANG Corrections | Ericsson | agreed | - | - |
| S5-238138 | Rel-18 InputToDraftCR TS 28.104 corrections for resource related analysis | Huawei | approved | S5-237690 | - |
| S5-238139 | Rel-18 draftCR 28.104 Add solution for MDA assisted control plane congestion analysis | Huawei | approved | S5-237600 | - |
| S5-238140 | Reply LS to LS to 3GPP re Monitoring of Encrypted 5GS Signalling Traffic | MATRIXX Software, Nokia,Nokia Shanghai Bell | approved | S5-237410 | - |
| S5-238141 | Rel-18 CR TS 28.533 Overview of the usage of CRUD operations and NRM fragments in SBMA | Huawei, Deutsche Telekom | agreed | S5-237447 | - |
| S5-238142 | Rel-18 pCR 28.111 FM full updates | Ericsson Hungary Ltd | approved | S5-237359 | - |
| S5-238143 | Introduction of SBMA in 32.300 | Ericsson | agreed | S5-237973 | - |
| S5-238144 | Rel-18 Input to DraftCR 28.622 Specify notificationFilter | Ericsson Hungary Ltd | noted | S5-237717 | - |
| S5-238145 | Rel-18 pCR 32.161 Update-extend JEX definitions | Ericsson Hungary Ltd | noted | S5-237719 | - |
| S5-238146 | Rel-18 CR TS 28.622 Add capability for advertising NRM properties Stage 2 | Nokia, Nokia Shanghai Bell | not pursued | S5-237354 | - |
| S5-238147 | Rel-18 CR TS 28.623 Add capability for advertising NRM properties Stage 3 | Nokia, Nokia Shanghai Bell | not pursued | S5-237355 | - |
| S5-238148 | Rel-18 CR TS 28.531 Update use case and allocate for network slice isolation | Ericsson, Deutsche Telekom, Nokia, Telefonica, Huawei | agreed | S5-237735 | - |
| S5-238149 | Rel-18 CR TS 28.541 Add NRM for network slice isolation | Nokia, Nokia Shanghai Bell, Telefonica, Ericsson, Deutsche Telekom, Huawei | agreed | S5-237348 | - |
| S5-238150 | Rel-18 CR TS32.422 Adding NPN Area Scope of MDT | Ericsson LM,Nokia | agreed | S5-237505 | - |
| S5-238151 | Rel-18 CR TS28.622 Adding NPN Area Scope of MDT | Ericsson LM,Nokia | agreed | S5-237507 | - |
| S5-238152 | Rel-18 CR TS28.623 Adding NPN Area Scope of MDT | Ericsson LM | agreed | S5-237508 | - |
| S5-238153 | Rel-18 CR TS 28.623 MDT support for NPN | Nokia, Nokia Shangai Bell | agreed | S5-237627 | - |
| S5-238154 | Rel-18 CR TS 32.422 Addressing tracing gaps in signalling based trace activation | Nokia, Nokia Shangai Bell | not pursued | S5-237629 | - |
| S5-238155 | Rel-18 CR TS 28.622 Addressing tracing gaps in signalling based trace activation | Nokia, Nokia Shanghai Bell | withdrawn | - | - |
| S5-238156 | Rel-18 CR TS 28.623 Addressing tracing gaps in signalling based trace activation | Nokia, Nokia Shanghai Bell | withdrawn | - | - |
| S5-238157 | Rel-18 CR TS 28.552 Add new measurement for average value of Timing Advance per SS-RSRP and AOA ranges | China Unicom | agreed | S5-237686 | - |
| S5-238158 | Rel-18 CR TS 28.552 Add new measurement on Average DL GTP packet delay | P.I. WORKS | agreed | S5-237672 | - |
| S5-238159 | Rel-18 CR TS 28.552 Add new measurement on distribution of DL GTP packet delay | P.I. WORKS | agreed | S5-237673 | - |
| S5-238160 | Rel-18 CR TS 28.550 Include signalling in PM Streaming schema | Nokia, Nokia Shanghai Bell | agreed | S5-237624 | - |
| S5-238161 | Minutes of breakout UE level measurements | Intel | noted | - | - |
| S5-238162 | Reply LS on S5-237345 Publication of ETSI NFV specification on Intent Management Service Interface and Intent Information Model | Huawei | approved | S5-237439 | - |
| S5-238163 | TS28.541 Rel18 NRM enhancements for class diagram | Nokia, Nokia Shanghai Bell | agreed | S5-236246 | - |
| S5-238164 | pCR TS 28.abc Add Per-UE measurement related to DL packet delay between PSA UPF and UE | Intel | approved | S5-237562 | - |
| S5-238165 | pCR TS 28.abc Add Per-UE measurement related to UL packet delay between PSA UPF and UE | Intel | approved | S5-237563 | - |
| S5-238166 | pCR TS 28.abc Add Per-UE measurement related to average packet delay | China Telecom Corporation Ltd., Intel | noted | S5-237714 | - |
| S5-238167 | pCR TS 28.abc Add per-UE measurement related to average DL/UL UE throughput | China Telecom Corporation Ltd., Intel | noted | S5-237649 | - |
| S5-238168 | pCR TS 28.abc Add per-UE measurement related to average packet loss | China Telecommunications, Intel | noted | S5-237715 | - |
| S5-238169 | pCR TS 28.abc Add per-UE measurement related to average packet loss for split gNB deployment scenario | China Telecommunications, Intel | noted | S5-237718 | - |
| S5-238170 | Rel-18 Input to draft CR TS 28.105 Configuration of Load balancing Functions | Nokia, Nokia Shanghai Bell | noted | S5-237485 | - |
| S5-238171 | Rel-18 Input to draft CR TS 28.105 Configuration of Mobility Optimization Functions | Nokia, Nokia Shanghai Bell | withdrawn | - | - |
| S5-238172 | Rel-18 Input to draft CR TS 28.105 Extend NRM for RAN AIML Inference Functions | Nokia, Nokia Shanghai Bell | noted | S5-237492 | - |
| S5-238173 | Rel-18 CR TS28.312 Update the stage3 to aign with the latest stage2 | Huawei | agreed | S5-237433 | - |
| S5-238174 | Correction of attribute properties | Ericsson-LG Co., LTD | agreed | S5-237967 | - |
| S5-238175 | Rel-18 CR 28.104 Correction of attribute properties | Ericsson-LG Co., LTD | agreed | S5-237968 | - |
| S5-238176 | Rel-18 CR TS 28.312 Revisions to ValueRange | China Mobile Com. Corporation | agreed | S5-237819 | - |
| S5-238177 | Rel-18 InputToDraftCR TS 28.105 corrections for ML entity loading | Huawei | noted | S5-237693 | - |
| S5-238178 | Rel-18 CR TS 28.312 Update RadioNetworkExpectation definition | Huawei, Deutsche Telekom | agreed | S5-237429 | - |
| S5-238179 | Rel-18 CR TS 28.312 Update ValueRangeType to support scenario specific intent expectation | Huawei, Deutsche Telekom | agreed | S5-237431 | - |
| S5-238180 | Rel-18 CR TS 28.312 Update the description of requirements for obtaining intent report information in use cases | China Mobile Com. Corporation | agreed | S5-237612 | - |
| S5-238181 | Correct issues for End-to-end Network Resource Expectation | Huawei | agreed | S5-237711 | - |
| S5-238182 | Rel-18 CR TS 28.312 Correct the stage2 and stage3 definition for intentPriority | Huawei, Deutsche Telekom | agreed | S5-237432 | - |
| S5-238183 | Rel-18 CR TS 28.312 add attributes of intent preemption | NTT DOCOMO, China Mobile Com. Corporation | agreed | S5-237438 | - |
| S5-238184 | Rel-18 CR 28.312 Intent Conflict Resolution Procedure | Huawei, ZTE | agreed | S5-237506 | - |
| S5-238185 | Rel-18 CR 28.312 Conflict Resolution enhancements | Samsung R&D Institute India | withdrawn | - | - |
| S5-238186 | Rel-18 CR TS 28.312 5.3.4.3Adjust the content in clause 5.3.4.3 Resolving Intent-related conflicts | Huawei | agreed | S5-237705 | - |
| S5-238187 | Rel-18 CR 28.312 IntentReport cardinality | Huawei | withdrawn | - | - |
| S5-238188 | Rel-18 CR 28.312 Missing attribute definitions | Huawei | agreed | S5-237474 | - |
| S5-238189 | Rel-17 CR 28.536 Correction of attribute properties | Ericsson-LG Co., LTD | agreed | S5-237966 | - |
| S5-238190 | Rel-15 CR 28.541 Correction of attribute properties | Ericsson-LG Co., LTD | agreed | S5-237969 | - |
| S5-238191 | Rel-16 CR 28.541 Correction of attribute properties | Ericsson-LG Co., LTD | agreed | S5-237970 | - |
| S5-238192 | Correction of attribute properties | Ericsson | agreed | S5-237971 | - |
| S5-238193 | Rel-18 CR 28.541 Correction of attribute properties | Ericsson | agreed | S5-237972 | - |
| S5-238194 | New SID on cloud aspects of management and orchestration | Microsoft Europe SARL | agreed | S5-237538 | - |
| S5-238195 | Rel-19 Discussion paper on enablers for security monitoring | Nokia UK | noted | S5-237579 | - |
| S5-238196 | New SID on SBMA enhancement phase 3 | Huawei | agreed | S5-237616 | - |
| S5-238197 | Rel-18 CR TS 28.312 add recommendedSolutions value in IntentReport | NTT DOCOMO | agreed | S5-237437 | - |
| S5-238198 | DP on simplifying the decision-making architecture | VODAFONE Group Plc,Verizon,Telefonica,Deutsche Telekom AG | noted | S5-237892 | - |
| S5-238199 | Rel-19 New SID on Plan management | Nokia, Nokia Shanghai Bell | agreed | S5-237818 | - |
| S5-238200 | Rel-19 New WID on Data Management phase 2 | Nokia, Nokia Shanghai Bell | agreed | S5-237815 | - |
| S5-238201 | New Study on data management, regarding subscriptions and reporting | Ericsson | agreed | S5-237885 | - |
| S5-238202 | New WID on 5G performance measurements and KPIs phase 4 | China Telecom Corporation Ltd. | agreed | S5-237619 | - |
| S5-238203 | New WID on 5G Advanced NRM features phase 3 | Nokia, Nokia Shanghai Bell | revised | S5-237655 | S5-238262 |
| S5-238204 | New SID on Management aspect of Network Digital Twin | China Mobile E-Commerce Co. | revised | S5-237812 | S5-238344 |
| S5-238205 | New WID on Support for Subscriber and Equipment Trace and QoE collection functionality in RAN and core network | Ericsson | revised | S5-237884 | S5-238343 |
| S5-238206 | New SID on Management Aspects of NTN Phase 2 | CATT, China Unicom | agreed | S5-237645 | - |
| S5-238207 | New SID on Management of IAB Nodes | Ericsson LM | agreed | S5-237883 | - |
| S5-238208 | New Study on Enhancement of Management Aspects related to NWDAF Phase 2 | China Telecommunications | revised | S5-237721 | S5-238352 |
| S5-238209 | New Rel-19 Study on Management of Network Sharing Phase 3 | China Unicom, China Telcom, Ericsson, Huawei, ZTE, CMCC | agreed | S5-237928 | - |
| S5-238210 | Rel-18 CR 28.552 Add measurements related to NWDAF analytics service failure | Nokia, Nokia Shanghai Bell | agreed | S5-237809 | - |
| S5-238211 | Rel-18 CR 28.552 Add measurements related to NWDAF ML model training service failure | Nokia, Nokia Shanghai Bell | revised | S5-237817 | S5-238348 |
| S5-238212 | Rel-18 CR TS 28.530 Add management capability support for NTN | China Unicom, China Telecom | agreed | S5-237699 | - |
| S5-238213 | Rel-18 CR TS 28.530 Add Annex network management support for NTN architecture | China Unicom | agreed | S5-237701 | - |
| S5-238214 | Update definitions of Ephemeris | CATT | agreed | S5-237644 | - |
| S5-238215 | Update references from TS 28.526 to ETSI NFV IFA 013 | Microsoft | agreed | S5-237939 | - |
| S5-238216 | Rel-18 CR TS 28.531 Add the introduction for the procedure of NF instance creation | ZTE Corporation | revised | S5-237675 | S5-238349 |
| S5-238217 | Draft TR 28.318 | Samsung | withdrawn | - | - |
| S5-238218 | Rel-18 pCR 28.318 Diverse clean ups and alignment | Samsung Electronics GmbH | approved | S5-237837 | - |
| S5-238219 | DP: Impacts of 3GPP Architecture on Cell Availability PM | Nokia | withdrawn | - | - |
| S5-238220 | DP: Cell Availability | Nokia | withdrawn | - | - |
| S5-238221 | Rel-18 pCR TS 28.318 Cell Availability performance measurement definition | Nokia Hungary | approved | S5-237903 | - |
| S5-238222 | Rel-18 pCR 28.318 5.3 Corrections to Exposed coordinated recovery | Samsung Electronics GmbH | approved | S5-237836 | - |
| S5-238223 | Rel-18 pCR TS 28.318 NRM definitions Network Performance Monitoring | Samsung Electronics Iberia SA | noted | S5-237951 | - |
| S5-238224 | Rel-18 pCR TS 28.318 NRM definitions\_Coordinated Rapid Recovery | Samsung Electronics Iberia SA | noted | S5-237950 | - |
| S5-238225 | Rel-18 CR 28.541 Modify the attributes of UL and DL latency in RAN | China Unicom | agreed | S5-237708 | - |
| S5-238226 | Rel18\_CR\_28312 Clarify observation period and fulfilment deadline | Nokia, Nokia Shanghai Bell | agreed | S5-237496 | - |
| S5-238227 | Rel-18 CR TS 28.312 Update 6.1 and 7.1 to support the operations of unsubscribing intent reporting and querying intent reporting subscriptions | China Mobile Com. Corporation | agreed | S5-237820 | - |
| S5-238228 | Agenda and minutes for IDMS\_MN\_ph2 breakout session | Huawei | noted | - | - |
| S5-238229 | Presentation of TS 28.317 to SA for information | China Mobile, Huawei | approved | S5-237469 | - |
| S5-238230 | Draft TS 28.317 | Huawei | approved | - | - |
| S5-238231 | pCR TS 28.317 Add stage3 definition for MnS component type A | China Mobile, Huawei | noted | S5-237467 | - |
| S5-238232 | Rel-18 DraftCR 28.538 update EAS to connect to UPF procedure | Huawei | approved | S5-237602 | - |
| S5-238233 | Rel-18 CR TS 28.541 Address EP\_F1 issue for MOCN RAN sharing scenario | Huawei,China Unicom | not pursued | S5-237462 | - |
| S5-238234 | Rel-18 CR TS 28.622 Enhance the ManagementDataCollection to support request management data per PLMN | Huawei,Ericsson,China Unicom | agreed | S5-237463 | - |
| S5-238235 | New SID on energy efficiency and energy saving aspects of 5G networks and services | Huawei | revised | S5-237434 | S5-238353 |
| S5-238236 | Draft TR 28.836 | Ericsson | approved | - | - |
| S5-238237 | Rel-18 DraftCR 28.538 Correction on EAS instantiation triggered by PM | Huawei | approved | S5-237607 | - |
| S5-238238 | Rel-18 DraftCR 28.538 adding processMonitor in EASRequirement | Huawei | approved | S5-237606 | - |
| S5-238239 | Rel-18 CR 28.538 DraftCR to CR | Samsung R&D Institute UK | agreed | S5-237374 | - |
| S5-238240 | Discussion paper on separate yaml file for different control NRM fragments in TS 28.623 | Huawei, Deutsche Telekom, Telefónica, NEC,Nokia | endorsed | S5-237448 | - |
| S5-238241 | Rel-18 CR TS28.623 Separate yaml file for trace control NRM fragment | Huawei | agreed | S5-237449 | - |
| S5-238242 | Discussion paper to clarify network slice SLA attribute jitter | Nokia, Nokia Shanghai Bell, KDDI, TELUS,Telefonica | noted | S5-237350 | - |
| S5-238243 | Rel-19 SID MExpo | Nokia,Telefonica, DTAG | revised | S5-237798 | S5-238354 |
| S5-238244 | Rel-18 CR TS 28.541 Add support for GSMA attribute for slice QoS | Nokia, Nokia Shanghai Bell | not pursued | S5-237352 | - |
| S5-238245 | Rel-18 CR TS 28.541 Add slice validity info to ServiceProfile | Samsung Electronics Iberia SA | withdrawn | - | - |
| S5-238246 | Rel-18 CR 28.541 Add satellite backhaul information for QoS monitoring per QoS flow per UE | China Telecom Corporation Ltd. | agreed | S5-238104 | - |
| S5-238247 | Rel-18 CR 28.541 Add satellite backhaul information to support 5G system with satellite backhaul architecture | China Telecom Corporation Ltd. | not pursued | S5-238105 | - |
| S5-238248 | Rel-18 CR TS 28.557 Add use case and requirements for dedicated resource demand for NPN service customers | Huawei | not pursued | S5-237613 | - |
| S5-238249 | Rel-16 CR TS 28.623 Align N38 in SMF with TS23.501 | Ericsson Ltd | agreed | S5-237919 | - |
| S5-238250 | Rel-17 CR TS28.623 Align N38 in SMF with TS23.501 | Ericsson LM | agreed | S5-237912 | - |
| S5-238251 | Rel-18 CR TS 28.623 Align N38 in SMF with TS23.501 | Ericsson Ltd | agreed | S5-237888 | - |
| S5-238252 | pCR TR 28.836 Add definitions and abbreviations | L.M. Ericsson Limited, Deutsche Telekom | approved | S5-237737 | - |
| S5-238253 | Rel-17 CR 32.254 Correct the 5G VNGM Charging Information | Huawei | agreed | S5-237846 | - |
| S5-238254 | Rel-18 CR 32.254 Correct the 5G VNGM Charging Information | Huawei | agreed | S5-237847 | - |
| S5-238255 | Rel-17 CR 32.298 Correct the reference and term used for 5G charging | Huawei | agreed | S5-237848 | - |
| S5-238256 | Rel-18 CR 32.298 Correct the reference and term used for 5G charging | Huawei | agreed | S5-237849 | - |
| S5-238257 | Clarify the reference to CHF to CHF interaction | Huawei | agreed | S5-237850 | - |
| S5-238258 | Rel-18 CR 32.255 Clarification on roaming charging profile | Huawei | agreed | S5-237029 | - |
| S5-238259 | Rel-18 CR 32.255 Update the roaming charging profile transfer | Huawei | agreed | S5-237030 | - |
| S5-238260 | Rel-18 CR 32.255 Clarification on QBC triggers | Charging | agreed | S5-237031 | - |
| S5-238261 | Draft TS 28.111 | Ericsson | approved | - | - |
| S5-238262 | New WID on 5G Advanced NRM features phase 3 | Nokia, Nokia Shanghai Bell | agreed | S5-238203 | - |
| S5-238263 | pCR TR 28.836 Update conclusions and recommendations | L.M. Ericsson Limited, Deutsche Telekom | approved | S5-237739 | - |
| S5-238264 | Rel-19 New SID Enablers for Security Monitoring | Nokia UK,DTAG | agreed | S5-237578 | - |
| S5-238265 | pCR TR 28.830 Add solution of fault cause analysis enhancement | Huawei, China Mobile | approved | S5-237746 | - |
| S5-238266 | pCR TR 28.842 Add Key Issue and potential solution for reporting data for managementDataCollection | Huawei, Deutsche Telekom | approved | S5-237468 | - |
| S5-238267 | Minutes breakout session on MADCOL | Nokia | noted | - | - |
| S5-238268 | Rel-18 pCR 28.842 New KI on reporting of stored Management data | Nokia, Nokia Shanghai Bell | noted | S5-237623 | - |
| S5-238269 | Rel-18 InputToDraftCR TS 28.533 Update the description of role based access control | Huawei | approved | S5-237666 | - |
| S5-238270 | Draft TR 28.842 | Nokia | approved | - | - |
| S5-238271 | Rel-18 pCR TR 28.842 New key issue on the definition of NodeFilter and dataScope in ManagementDataCollection | Nokia, Nokia Shanghai Bell | noted | S5-237934 | - |
| S5-238272 | New SID on effectiveness of zero-touch orchestration and management | China Mobile, China Telecomunication | withdrawn | - | - |
| S5-238273 | Input to Rel-18 DraftCR TS28.105 Add use case and requirements for training data effectiveness reporting and analytics | China Mobile E-Commerce Co.,Nokia | approved | S5-237740 | - |
| S5-238274 | Rel-18 pCR TR 28.842 Potential solution to report supported capabilities | Nokia, Nokia Shanghai Bell | approved | S5-237936 | - |
| S5-238275 | Revised Study on Key Quality Indicators (KQIs) for 5G service experience | Huawei | agreed | - | - |
| S5-238276 | Presentation sheet of TR 28.863 for SA approval | HUAWEI TECHNOLOGIES Co. Ltd. | approved | S5-237682 | - |
| S5-238277 | Draft TR 28.863 | Huawei | approved | - | - |
| S5-238278 | pCR TR 28.863 Issue#4 Desription of URLLC | HUAWEI TECHNOLOGIES Co. Ltd. | approved | S5-237651 | - |
| S5-238279 | pCR TR 28.863 Issue#4 Solution of URLLC | HUAWEI TECHNOLOGIES Co. Ltd. | approved | S5-237652 | - |
| S5-238280 | pCR TR 28.863 Issue#5 Conclusion for Cloud VR | HUAWEI TECHNOLOGIES Co. Ltd. | approved | S5-237653 | - |
| S5-238281 | pCR TR 28.865 Add conclusion of issue2 service assurance for video monitoring | Huawei | approved | S5-237749 | - |
| S5-238282 | pCR TR 28.865 Add conclusion of issue3 service assurance for PLC control | Huawei | approved | S5-237750 | - |
| S5-238283 | pCR TR 28.865 Add conclusions and recommendations for the FS\_DCSA study item | Huawei | approved | S5-237751 | - |
| S5-238284 | Rel-18 TS 28.623 YANG Correction of GeoAreaGrp and GeoCoordinateGrp | Ericsson India Private Limited | agreed | S5-237957 | - |
| S5-238285 | Rel 17 CR TS 28.105 Remove unused attribute mLEntityList | Ericsson,Nokia | agreed | S5-236849 | - |
| S5-238286 | Discussion paper on datatype visualization | Ericsson, China Mobile, Huawei, Nokia | endorsed | S5-237894 | - |
| S5-238287 | Rel-18 CR TS 32.156 Supplement the specification for establishing a relationship between <<dataType>> and model elements in UML class diagram | China Mobile Com. Corporation, Ericsson, Huawei, Nokia | agreed | S5-237584 | - |
| S5-238288 | Rel-18 CR 28.541 Add energy saving attributes to IOC UPFFunction | Huawei | agreed | S5-237610 | - |
| S5-238289 | Rel-18 CR 28.552 Add measurement related to time consumption of NWDAF providing ML model training service information | Nokia, Nokia Shanghai Bell | not pursued | S5-237816 | - |
| S5-238290 | Rel-18 CR TS 32.156 Clarification on predefined dataType and example | L.M. Ericsson Limited | agreed | S5-237725 | - |
| S5-238291 | Rel-17 CR 28.104 Update discription on deployment of multiple MDAs | CATT | withdrawn | - | - |
| S5-238292 | Rel-18 CR 28.104 Update discription on deployment of multiple MDAs | CATT | withdrawn | - | - |
| S5-238293 | CR TS 28.105 Rel-17 Correction of IOC name | Ericsson India Private Limited | agreed | S5-237521 | - |
| S5-238294 | CR TS 28.105 Rel-18 Correction of IOC name | Ericsson India Private Limited | agreed | S5-237522 | - |
| S5-238295 | TS 28.105 Rel-17 Correction of attribute properties | Ericsson India Private Limited | agreed | S5-237523 | - |
| S5-238296 | TS 28.105 Rel-18 Correction of attribute properties | Ericsson India Private Limited | agreed | S5-237531 | - |
| S5-238297 | TS 28.105 Rel-18 Correction of MLTrainingFunction constraints | Ericsson India Private Limited | agreed | S5-237533 | - |
| S5-238298 | Clarify verbs in attribute definitions | Ericsson | agreed | S5-237726 | - |
| S5-238299 | Clarify verbs in attribute definitions | Ericsson | agreed | S5-237727 | - |
| S5-238300 | Correct intent driven MnS description in clause 4.2.2 | Ericsson | agreed | S5-237728 | - |
| S5-238301 | Rel-18 CR TS 28.312 Correct intent driven MnS description in clause 4.2.2 | L.M. Ericsson Limited | agreed | S5-237729 | - |
| S5-238302 | Rel-17 CR 28.312 Correct create an intent procedure | Ericsson Inc. | agreed | S5-237906 | - |
| S5-238303 | Rel-18 CR 28.312 Correct create an intent procedure | Ericsson Inc. | agreed | S5-237907 | - |
| S5-238304 | Rel-18 CR TS 28.531 Correct the description of Procedure of Network Slice Instance allocation | ZTE Corporation | agreed | S5-237497 | - |
| S5-238305 | Rel-18 Correct dnai and dnaiList attribute definitions | Ericsson Inc. | agreed | S5-237426 | - |
| S5-238306 | Rel-17 Correct dnai and dnaiList attribute definitions | Ericsson Inc. | agreed | - | - |
| S5-238307 | New SID on Management aspects of Integrated Sensing and Communication | ZTE Corporation,China Unicom | noted | S5-237700 | - |
| S5-238308 | Rel-18 InputToDraftCR TS 28.104 Add general description for NF resource related analytics and Predictions of Management data | Huawei | approved | S5-237689 | - |
| S5-238309 | Presentation of Specification to TSG: TS 28.111, Version 1.0.0 | Ericsson Hungary Ltd | approved | S5-237358 | - |
| S5-238310 | Rel-17 CR TS28.623 Correct the yaml definition for ThresholdMonitor IOC to align with stage2 definition | Huawei | agreed | S5-237441 | - |
| S5-238311 | Rel-18 CR TS28.623 Correct the yaml definition for ThresholdMonitor IOC to align with stage2 definition | Huawei | agreed | S5-237442 | - |
| S5-238312 | DP Schema definition Issues SubNetwork and ManagedElement OpenAPI SS | Nokia, Nokia Shanghai Bell | endorsed | S5-237498 | - |
| S5-238313 | Rel-18 CR TS 28.541 Add support for GSMA attributes related to data networks | Nokia, Nokia Shanghai Bell, Samsung | agreed | S5-237353 | - |
| S5-238314 | Rel-17 CR 28.622 Add measurement bin support to NRM | Ericsson Inc.,Nokia | agreed | S5-237898 | - |
| S5-238315 | Rel-18 CR 28.622 Add measurement bin support to NRM | Ericsson Inc.,Nokia | agreed | S5-237899 | - |
| S5-238316 | Rel-17 CR 28.623 Add measurement bin support to NRM (stage3, yang) | Ericsson Inc. | agreed | S5-237900 | - |
| S5-238317 | Rel-18 CR 28.623 Add measurement bin support to NRM (stage3, yang) | Ericsson Inc. | agreed | S5-237901 | - |
| S5-238318 | Rel-16 CR TS32.422 Align N38 in SMF requirement with TS23.501 | Ericsson Ltd | agreed | S5-237543 | - |
| S5-238319 | Rel-17 CR TS32.422 Align N38 in SMF requirement with TS23.501 | Ericsson Ltd | agreed | S5-237545 | - |
| S5-238320 | Rel-18 CR TS32.422 Align N38 in SMF requirement with TS23.501 | Ericsson Ltd | agreed | S5-237547 | - |
| S5-238321 | Rel-18 CR 28.541 Correct redundant attribute definitions | Ericsson Inc. | agreed | S5-237915 | - |
| S5-238322 | Rel-16 CR 28.532 Clarify MnS capability definitions | Ericsson Inc. | agreed | S5-237417 | - |
| S5-238323 | Rel-17 CR 28.532 Clarify MnS capability definitions | Ericsson Inc. | agreed | S5-237418 | - |
| S5-238324 | Rel-18 CR 28.532 Clarify MnS capability definitions | Ericsson Inc. | agreed | S5-237419 | - |
| S5-238325 | Rel-17 CR 28.541 YANG Correction of attribute type TaiGrp | Ericsson India Private Limited | agreed | S5-237958 | - |
| S5-238326 | Correction of yang code for sliceprofile | Ericsson India Private Limited | agreed | S5-237347 | - |
| S5-238327 | pCR TR 28.909 Add background of relevant studies in TM Forum | China Mobile, Huawei | approved | S5-237480 | - |
| S5-238328 | Rel-17 CR 28.622 h70 NodeFilter | Nokia | withdrawn | - | - |
| S5-238329 | Rel-18 CR 28.622 i40 NodeFilter | Nokia | withdrawn | - | - |
| S5-238330 | Rel-18 CR 32.156 Editorial clean up | Ericsson Inc. | agreed | S5-237917 | - |
| S5-238331 | Rel-16 CR TS 28.632 Correct multiplicities in relations to ManagedFunction | Nokia, Nokia Shanghai Bell | agreed | S5-237959 | - |
| S5-238332 | Rel-17 CR TS 28.632 Correct multiplicities in relations to ManagedFunction | Nokia, Nokia Shanghai Bell | agreed | S5-237937 | - |
| S5-238333 | Rel-17 CR 28.556 Correction of attribute properties | Ericsson-LG Co., LTD | agreed | S5-237965 | - |
| S5-238334 | Input to DraftCR 28.105 Update NRMs for AI-ML inference function | Intel, NEC | revised | S5-237548 | S5-238350 |
| S5-238335 | Presentation sheet TR 28.836 | Ericsson | approved | - | - |
| S5-238336 | Rel-16 CR 32.423 Correct trace administrative message definitions | Ericsson Inc. | agreed | S5-237889 | - |
| S5-238337 | Rel-17 CR 32.423 Correct trace administrative message definitions | Ericsson Inc. | agreed | S5-237890 | - |
| S5-238338 | Rel-18 CR 32.423 Correct trace administrative message definitions | Ericsson Inc. | agreed | S5-237891 | - |
| S5-238339 | pCR TS 28.abc Add template for UE level measurement definition | Intel | approved | S5-237555 | - |
| S5-238340 | Add NRM for AnLF | Intel | agreed | S5-237546 | - |
| S5-238341 | Input to DraftCR 28.105 Correction of ML update related IOCs | Intel, NEC | approved | S5-237544 | - |
| S5-238342 | New SID on management aspects of RedCap feature | AsiaInfo Technologies Inc | agreed | S5-237674 | - |
| S5-238343 | New WID on Support for Subscriber and Equipment Trace and QoE collection functionality in RAN and core network | Ericsson | agreed | S5-238205 | - |
| S5-238344 | New SID on Management aspect of Network Digital Twin | China Mobile E-Commerce Co. | agreed | S5-238204 | - |
| S5-238345 | Time Plan for OAM&P sessions | WG Chair | noted | S5-237320 | - |
| S5-238346 | Presentation of Specification/Report to TSG: TS 28.318, Version 0.3.0 (1.0.0) | Samsung Electronics GmbH | withdrawn | - | - |
| S5-238347 | Rel-18 InputToDraftCR TS 28.105 Add deployment scenarios for AIML related functions | Huawei, Ericsson, Intel, NEC | approved | S5-238119 | - |
| S5-238348 | Rel-18 CR 28.552 Add measurements related to NWDAF ML model training service failure | Nokia, Nokia Shanghai Bell | agreed | S5-238211 | - |
| S5-238349 | Rel-18 CR TS 28.531 Add the introduction for the procedure of NF instance creation | ZTE Corporation | agreed | S5-238216 | - |
| S5-238350 | Input to DraftCR 28.105 Update NRMs for AI-ML inference function | Intel, NEC, Ericsson, Huawei | approved | S5-238334 | - |
| S5-238351 | New SID: Study on Management Data Analytics (MDA) – Phase 3 | NEC, Intel | agreed | S5-238134 | - |
| S5-238352 | New Study on Enhancement of Management Aspects related to NWDAF Phase 2 | China Telecommunications | agreed | S5-238208 | - |
| S5-238353 | New SID on energy efficiency and energy saving aspects of 5G networks and services | Huawei | agreed | S5-238235 | - |
| S5-238354 | Rel-19 SID MExpo | Nokia,Telefonica, DTAG | agreed | S5-238243 | - |
| S5-238355 | Draft TR 28.909 | China Mobile | approved | - | - |
| S5-238356 | Draft TR 28.830 | China Mobile | approved | - | - |
| S5-238357 | Draft TR 28.865 | Huawei | approved | - | - |
| S5-238358 | DraftCR TS 28.533 on Access control for management service | Nokia, Nokia Shanghai Bell,Deutsche Telekom, Telefonical | approved | - | - |
| S5-238359 | Draft CR eMDAS\_Ph2 – TS28.104 Further enhancements into the Management Data Analytics (Phase 2) | NEC | approved | - | - |
| S5-238360 | Draft CR AIML\_MGMT - TS 28.105; Enchantements for AI-ML management | NEC | approved | - | - |
| S5-238361 | Draft TS 28.abc | Intel | approved | - | - |
| S5-238362 | Draft CR TS 28.538 | Samsung | approved | - | - |

### A2: Tdoc decision timing

|  |  |  |
| --- | --- | --- |
| Document | Date/time UTC | Decision |
| S5-237300 | 13/11/2023 08:12:02 | approved |
| S5-237301 | 13/11/2023 08:13:14 | noted |
| S5-237302 | 13/11/2023 08:14:54 | approved |
| S5-237304 | 17/11/2023 10:33:46 | noted |
| S5-237306 | 15/11/2023 13:13:16 | noted |
| S5-237307 | 15/11/2023 13:13:45 | noted |
| S5-237308 | 15/11/2023 13:13:54 | noted |
| S5-237309 | 17/11/2023 07:57:00 | revised |
| S5-237310 | 17/11/2023 07:57:14 | noted |
| S5-237311 | 15/11/2023 13:14:15 | noted |
| S5-237312 | 15/11/2023 13:14:32 | noted |
| S5-237313 | 17/11/2023 10:46:40 | noted |
| S5-237314 | 13/11/2023 08:21:19 | revised |
| S5-237315 | 13/11/2023 08:29:20 | noted |
| S5-237316 | 17/11/2023 08:52:33 | noted |
| S5-237317 | 17/11/2023 10:33:51 | reserved |
| S5-237317 | 28/11/2023 10:19:34 | noted |
| S5-237319 | 13/11/2023 09:03:57 | noted |
| S5-237320 | 17/11/2023 08:52:58 | noted |
| S5-237320 | 17/11/2023 08:53:11 | revised |
| S5-237321 | 13/11/2023 09:07:02 | replied to |
| S5-237322 | 14/11/2023 17:05:00 | postponed |
| S5-237323 | 15/11/2023 13:15:18 | noted |
| S5-237324 | 13/11/2023 09:05:44 | replied to |
| S5-237325 | 15/11/2023 13:15:36 | noted |
| S5-237326 | 15/11/2023 13:17:48 | noted |
| S5-237327 | 13/11/2023 10:35:37 | postponed |
| S5-237328 | 17/11/2023 08:55:39 | postponed |
| S5-237329 | 15/11/2023 13:15:41 | noted |
| S5-237330 | 15/11/2023 13:15:48 | noted |
| S5-237331 | 15/11/2023 13:17:05 | noted |
| S5-237332 | 15/11/2023 13:18:06 | noted |
| S5-237333 | 13/11/2023 08:52:51 | available |
| S5-237334 | 15/11/2023 13:17:30 | noted |
| S5-237335 | 13/11/2023 09:03:05 | noted |
| S5-237336 | 13/11/2023 10:13:14 | replied to |
| S5-237337 | 13/11/2023 09:18:34 | available |
| S5-237337 | 17/11/2023 09:04:10 | postponed |
| S5-237338 | 13/11/2023 10:13:56 | replied to |
| S5-237339 | 15/11/2023 13:16:46 | noted |
| S5-237340 | 13/11/2023 09:21:42 | available |
| S5-237341 | 17/11/2023 08:50:19 | postponed |
| S5-237342 | 13/11/2023 09:28:34 | available |
| S5-237343 | 17/11/2023 08:51:01 | available |
| S5-237344 | 13/11/2023 10:16:29 | available |
| S5-237345 | 17/11/2023 08:57:24 | available |
| S5-237346 | 13/11/2023 10:27:59 | noted |
| S5-237346 | 17/11/2023 08:58:56 | postponed |
| S5-237347 | 16/11/2023 08:54:16 | agreed |
| S5-237347 | 16/11/2023 11:33:22 | revised |
| S5-237348 | 14/11/2023 10:34:24 | available |
| S5-237348 | 15/11/2023 09:42:37 | merged |
| S5-237348 | 15/11/2023 09:43:45 | revised |
| S5-237349 | 14/11/2023 10:34:40 | available |
| S5-237350 | 15/11/2023 13:56:10 | revised |
| S5-237351 | 17/11/2023 11:11:28 | available |
| S5-237352 | 15/11/2023 14:06:00 | revised |
| S5-237353 | 16/11/2023 10:18:54 | revised |
| S5-237354 | 14/11/2023 10:31:15 | revised |
| S5-237355 | 14/11/2023 10:32:44 | revised |
| S5-237356 | 14/11/2023 17:06:22 | revised |
| S5-237357 | 14/11/2023 17:07:02 | revised |
| S5-237358 | 14/11/2023 10:23:57 | approved |
| S5-237358 | 16/11/2023 10:07:22 | revised |
| S5-237359 | 14/11/2023 10:24:49 | revised |
| S5-237360 | 15/11/2023 13:52:12 | agreed |
| S5-237361 | 15/11/2023 13:52:36 | agreed |
| S5-237362 | 14/11/2023 10:57:19 | revised |
| S5-237363 | 17/11/2023 09:31:11 | agreed |
| S5-237364 | 17/11/2023 09:31:10 | agreed |
| S5-237365 | 17/11/2023 09:31:09 | agreed |
| S5-237366 | 15/11/2023 13:09:12 | agreed |
| S5-237367 | 15/11/2023 13:09:13 | agreed |
| S5-237368 | 15/11/2023 13:09:14 | agreed |
| S5-237369 | 17/11/2023 09:31:35 | agreed |
| S5-237370 | 17/11/2023 09:31:36 | agreed |
| S5-237371 | 17/11/2023 09:31:36 | agreed |
| S5-237372 | 13/11/2023 08:21:33 | available |
| S5-237373 | 15/11/2023 13:19:18 | noted |
| S5-237374 | 15/11/2023 13:44:18 | revised |
| S5-237375 | 13/11/2023 08:32:04 | noted |
| S5-237376 | 17/11/2023 09:31:58 | agreed |
| S5-237377 | 16/11/2023 13:28:32 | agreed |
| S5-237378 | 16/11/2023 13:28:57 | agreed |
| S5-237379 | 16/11/2023 13:29:27 | agreed |
| S5-237380 | 16/11/2023 13:29:37 | agreed |
| S5-237381 | 16/11/2023 13:29:49 | agreed |
| S5-237382 | 16/11/2023 13:30:00 | agreed |
| S5-237383 | 16/11/2023 13:30:10 | agreed |
| S5-237384 | 16/11/2023 13:30:21 | agreed |
| S5-237385 | 16/11/2023 13:30:31 | agreed |
| S5-237386 | 16/11/2023 13:30:46 | agreed |
| S5-237387 | 16/11/2023 13:30:57 | agreed |
| S5-237389 | 16/11/2023 13:31:10 | agreed |
| S5-237390 | 16/11/2023 13:31:18 | agreed |
| S5-237391 | 16/11/2023 13:32:31 | agreed |
| S5-237392 | 16/11/2023 13:32:44 | agreed |
| S5-237393 | 16/11/2023 13:28:41 | agreed |
| S5-237394 | 16/11/2023 13:29:21 | agreed |
| S5-237395 | 16/11/2023 13:29:32 | agreed |
| S5-237396 | 16/11/2023 13:29:43 | agreed |
| S5-237397 | 16/11/2023 13:29:54 | agreed |
| S5-237398 | 16/11/2023 13:30:05 | agreed |
| S5-237399 | 16/11/2023 13:30:15 | agreed |
| S5-237400 | 16/11/2023 13:30:25 | agreed |
| S5-237401 | 16/11/2023 13:30:37 | agreed |
| S5-237402 | 16/11/2023 13:30:51 | agreed |
| S5-237403 | 16/11/2023 13:31:03 | agreed |
| S5-237404 | 16/11/2023 13:32:59 | agreed |
| S5-237405 | 16/11/2023 13:31:13 | agreed |
| S5-237406 | 16/11/2023 13:31:24 | agreed |
| S5-237407 | 16/11/2023 13:32:36 | agreed |
| S5-237408 | 16/11/2023 13:32:48 | agreed |
| S5-237409 | 17/11/2023 09:29:40 | agreed |
| S5-237410 | 14/11/2023 10:17:14 | revised |
| S5-237411 | 17/11/2023 09:32:10 | available |
| S5-237412 | 17/11/2023 09:32:19 | available |
| S5-237413 | 17/11/2023 09:32:23 | available |
| S5-237414 | 17/11/2023 09:32:29 | available |
| S5-237415 | 17/11/2023 09:32:32 | available |
| S5-237416 | 17/11/2023 09:32:35 | available |
| S5-237417 | 16/11/2023 11:20:24 | revised |
| S5-237418 | 16/11/2023 11:20:38 | revised |
| S5-237419 | 16/11/2023 11:20:42 | revised |
| S5-237420 | 17/11/2023 10:38:09 | available |
| S5-237421 | 17/11/2023 10:38:12 | available |
| S5-237422 | 17/11/2023 10:38:14 | available |
| S5-237423 | 17/11/2023 10:38:18 | available |
| S5-237424 | 17/11/2023 10:38:20 | available |
| S5-237425 | 17/11/2023 10:38:23 | available |
| S5-237426 | 16/11/2023 10:04:02 | revised |
| S5-237427 | 14/11/2023 17:07:12 | revised |
| S5-237428 | 14/11/2023 17:10:12 | revised |
| S5-237429 | 14/11/2023 13:23:12 | revised |
| S5-237430 | 14/11/2023 13:24:10 | agreed |
| S5-237431 | 14/11/2023 13:30:45 | revised |
| S5-237432 | 14/11/2023 13:49:08 | revised |
| S5-237433 | 14/11/2023 13:07:54 | revised |
| S5-237434 | 15/11/2023 11:25:27 | revised |
| S5-237435 | 13/11/2023 10:42:06 | revised |
| S5-237436 | 13/11/2023 16:53:39 | agreed |
| S5-237437 | 14/11/2023 16:48:38 | revised |
| S5-237438 | 14/11/2023 14:04:03 | revised |
| S5-237439 | 14/11/2023 10:48:29 | revised |
| S5-237440 | 13/11/2023 10:16:19 | approved |
| S5-237441 | 16/11/2023 10:13:37 | revised |
| S5-237442 | 16/11/2023 10:13:41 | revised |
| S5-237443 | 16/11/2023 10:14:23 | agreed |
| S5-237444 | 16/11/2023 10:14:23 | agreed |
| S5-237445 | 15/11/2023 10:38:49 | approved |
| S5-237446 | 15/11/2023 10:40:35 | agreed |
| S5-237447 | 14/11/2023 10:24:07 | revised |
| S5-237448 | 15/11/2023 13:45:52 | revised |
| S5-237449 | 15/11/2023 13:47:01 | revised |
| S5-237450 | 14/11/2023 17:24:31 | approved |
| S5-237451 | 14/11/2023 17:24:33 | approved |
| S5-237452 | 14/11/2023 17:25:05 | revised |
| S5-237453 | 14/11/2023 17:26:39 | approved |
| S5-237454 | 14/11/2023 17:26:43 | approved |
| S5-237455 | 14/11/2023 17:27:00 | revised |
| S5-237456 | 14/11/2023 17:11:53 | revised |
| S5-237457 | 14/11/2023 17:12:06 | revised |
| S5-237458 | 14/11/2023 17:14:24 | revised |
| S5-237459 | 15/11/2023 11:28:30 | revised |
| S5-237460 | 16/11/2023 15:51:18 | agreed |
| S5-237461 | 16/11/2023 15:51:18 | agreed |
| S5-237461 | 17/11/2023 10:32:59 | revised |
| S5-237462 | 15/11/2023 11:04:41 | revised |
| S5-237463 | 15/11/2023 11:06:42 | revised |
| S5-237464 | 15/11/2023 11:07:16 | withdrawn |
| S5-237464 | 17/11/2023 11:15:21 | agreed |
| S5-237465 | 15/11/2023 10:35:22 | approved |
| S5-237466 | 15/11/2023 10:41:11 | approved |
| S5-237467 | 15/11/2023 10:46:20 | noted |
| S5-237467 | 15/11/2023 10:47:24 | revised |
| S5-237468 | 15/11/2023 15:40:27 | revised |
| S5-237469 | 15/11/2023 10:37:13 | revised |
| S5-237470 | 17/11/2023 09:13:59 | approved |
| S5-237471 | 14/11/2023 14:26:42 | noted |
| S5-237472 | 14/11/2023 14:28:05 | revised |
| S5-237473 | 15/11/2023 13:25:11 | revised |
| S5-237474 | 14/11/2023 14:31:10 | revised |
| S5-237475 | 15/11/2023 13:25:52 | revised |
| S5-237476 | 15/11/2023 13:26:08 | revised |
| S5-237477 | 15/11/2023 13:26:21 | revised |
| S5-237478 | 15/11/2023 13:25:31 | revised |
| S5-237479 | 15/11/2023 16:33:26 | revised |
| S5-237479 | 16/11/2023 15:30:00 | noted |
| S5-237480 | 15/11/2023 15:14:01 | noted |
| S5-237480 | 16/11/2023 13:21:25 | revised |
| S5-237481 | 17/11/2023 13:45:27 | approved |
| S5-237482 | 13/11/2023 14:20:10 | revised |
| S5-237483 | 13/11/2023 14:25:18 | revised |
| S5-237484 | 13/11/2023 13:32:51 | revised |
| S5-237485 | 14/11/2023 12:59:52 | revised |
| S5-237486 | 14/11/2023 12:59:59 | revised |
| S5-237486 | 17/11/2023 10:43:28 | noted |
| S5-237487 | 17/11/2023 10:43:55 | available |
| S5-237488 | 13/11/2023 16:27:40 | revised |
| S5-237489 | 13/11/2023 15:29:46 | revised |
| S5-237490 | 17/11/2023 10:44:33 | available |
| S5-237491 | 17/11/2023 10:44:42 | available |
| S5-237492 | 13/11/2023 13:36:16 | noted |
| S5-237492 | 14/11/2023 13:02:28 | revised |
| S5-237493 | 17/11/2023 10:45:34 | available |
| S5-237494 | 14/11/2023 14:31:17 | available |
| S5-237495 | 17/11/2023 11:00:24 | available |
| S5-237496 | 15/11/2023 10:28:45 | revised |
| S5-237497 | 16/11/2023 09:06:36 | revised |
| S5-237498 | 16/11/2023 10:14:59 | revised |
| S5-237499 | 13/11/2023 13:13:39 | revised |
| S5-237500 | 13/11/2023 13:18:02 | available |
| S5-237501 | 13/11/2023 13:23:27 | revised |
| S5-237502 | 17/11/2023 10:54:38 | available |
| S5-237503 | 15/11/2023 13:22:49 | agreed |
| S5-237504 | 13/11/2023 09:21:06 | revised |
| S5-237505 | 14/11/2023 10:34:57 | revised |
| S5-237506 | 14/11/2023 14:09:44 | revised |
| S5-237507 | 14/11/2023 10:37:11 | revised |
| S5-237508 | 14/11/2023 10:38:25 | revised |
| S5-237509 | 14/11/2023 10:26:39 | approved |
| S5-237510 | 16/11/2023 13:21:35 | available |
| S5-237511 | 16/11/2023 13:21:38 | available |
| S5-237512 | 16/11/2023 13:21:42 | available |
| S5-237513 | 16/11/2023 13:21:45 | available |
| S5-237514 | 16/11/2023 13:25:20 | available |
| S5-237515 | 16/11/2023 13:25:23 | available |
| S5-237516 | 16/11/2023 13:25:27 | available |
| S5-237517 | 16/11/2023 13:25:30 | available |
| S5-237518 | 16/11/2023 13:25:32 | available |
| S5-237519 | 15/11/2023 13:11:07 | agreed |
| S5-237520 | 13/11/2023 16:18:15 | revised |
| S5-237521 | 16/11/2023 08:28:18 | revised |
| S5-237522 | 16/11/2023 08:28:21 | revised |
| S5-237523 | 16/11/2023 08:29:49 | revised |
| S5-237524 | 14/11/2023 10:24:37 | noted |
| S5-237525 | 14/11/2023 17:35:36 | available |
| S5-237526 | 14/11/2023 17:35:29 | noted |
| S5-237527 | 14/11/2023 17:35:45 | noted |
| S5-237528 | 14/11/2023 17:24:41 | approved |
| S5-237529 | 14/11/2023 17:16:22 | revised |
| S5-237530 | 16/11/2023 10:16:01 | agreed |
| S5-237531 | 16/11/2023 08:29:53 | revised |
| S5-237532 | 17/11/2023 10:35:45 | agreed |
| S5-237533 | 15/11/2023 13:07:46 | agreed |
| S5-237533 | 16/11/2023 08:33:14 | revised |
| S5-237534 | 13/11/2023 15:59:33 | revised |
| S5-237535 | 13/11/2023 15:59:38 | revised |
| S5-237536 | 13/11/2023 14:29:23 | revised |
| S5-237537 | 13/11/2023 15:41:09 | noted |
| S5-237538 | 14/11/2023 15:34:15 | revised |
| S5-237539 | 16/11/2023 10:55:01 | agreed |
| S5-237540 | 16/11/2023 10:55:01 | agreed |
| S5-237541 | 16/11/2023 10:55:03 | agreed |
| S5-237542 | 13/11/2023 17:01:34 | revised |
| S5-237543 | 16/11/2023 10:58:24 | revised |
| S5-237544 | 17/11/2023 07:01:50 | revised |
| S5-237545 | 16/11/2023 10:58:28 | revised |
| S5-237546 | 17/11/2023 07:00:58 | revised |
| S5-237547 | 16/11/2023 10:58:30 | agreed |
| S5-237547 | 16/11/2023 10:58:35 | revised |
| S5-237548 | 16/11/2023 14:00:53 | revised |
| S5-237549 | 16/11/2023 11:00:23 | agreed |
| S5-237550 | 13/11/2023 15:34:14 | revised |
| S5-237551 | 16/11/2023 11:00:24 | agreed |
| S5-237552 | 14/11/2023 10:28:55 | approved |
| S5-237553 | 16/11/2023 11:00:25 | agreed |
| S5-237555 | 17/11/2023 07:00:15 | revised |
| S5-237556 | 17/11/2023 11:09:07 | approved |
| S5-237556 | 17/11/2023 11:09:08 | noted |
| S5-237559 | 17/11/2023 11:09:25 | noted |
| S5-237561 | 17/11/2023 11:09:31 | noted |
| S5-237562 | 14/11/2023 11:09:20 | revised |
| S5-237563 | 14/11/2023 11:10:16 | revised |
| S5-237564 | 14/11/2023 17:10:22 | noted |
| S5-237565 | 16/11/2023 15:51:29 | available |
| S5-237566 | 16/11/2023 15:51:42 | revised |
| S5-237567 | 15/11/2023 13:21:31 | approved |
| S5-237568 | 15/11/2023 13:21:51 | revised |
| S5-237569 | 15/11/2023 13:24:25 | revised |
| S5-237570 | 15/11/2023 13:24:39 | revised |
| S5-237571 | 15/11/2023 13:07:47 | agreed |
| S5-237572 | 15/11/2023 13:24:55 | revised |
| S5-237573 | 15/11/2023 11:29:35 | available |
| S5-237574 | 15/11/2023 13:08:01 | agreed |
| S5-237575 | 15/11/2023 11:30:17 | available |
| S5-237576 | 16/11/2023 15:51:55 | revised |
| S5-237577 | 16/11/2023 15:52:02 | available |
| S5-237578 | 15/11/2023 15:32:53 | revised |
| S5-237579 | 14/11/2023 15:40:19 | noted |
| S5-237579 | 14/11/2023 15:44:34 | revised |
| S5-237580 | 14/11/2023 16:00:21 | noted |
| S5-237581 | 13/11/2023 11:10:10 | revised |
| S5-237582 | 17/11/2023 11:22:19 | noted |
| S5-237583 | 17/11/2023 11:22:24 | noted |
| S5-237584 | 15/11/2023 17:55:59 | revised |
| S5-237585 | 13/11/2023 10:43:42 | revised |
| S5-237586 | 16/11/2023 11:06:40 | agreed |
| S5-237587 | 16/11/2023 11:06:41 | agreed |
| S5-237588 | 16/11/2023 14:01:03 | available |
| S5-237589 | 16/11/2023 11:06:41 | agreed |
| S5-237590 | 16/11/2023 11:06:42 | agreed |
| S5-237591 | 16/11/2023 11:07:48 | agreed |
| S5-237592 | 16/11/2023 11:07:49 | agreed |
| S5-237593 | 16/11/2023 08:14:39 | agreed |
| S5-237594 | 16/11/2023 08:14:40 | agreed |
| S5-237595 | 17/11/2023 09:30:44 | agreed |
| S5-237596 | 17/11/2023 09:30:46 | agreed |
| S5-237597 | 14/11/2023 13:33:02 | agreed |
| S5-237598 | 15/11/2023 13:51:25 | agreed |
| S5-237599 | 15/11/2023 13:51:41 | agreed |
| S5-237600 | 14/11/2023 10:16:56 | revised |
| S5-237601 | 17/11/2023 10:42:11 | agreed |
| S5-237602 | 15/11/2023 11:00:20 | revised |
| S5-237603 | 16/11/2023 10:51:37 | agreed |
| S5-237604 | 16/11/2023 10:51:37 | agreed |
| S5-237605 | 16/11/2023 10:51:38 | agreed |
| S5-237606 | 15/11/2023 10:49:08 | approved |
| S5-237606 | 15/11/2023 13:43:56 | revised |
| S5-237607 | 15/11/2023 13:43:21 | revised |
| S5-237608 | 13/11/2023 17:11:26 | revised |
| S5-237609 | 16/11/2023 11:07:50 | agreed |
| S5-237610 | 15/11/2023 17:58:33 | revised |
| S5-237611 | 13/11/2023 13:04:53 | approved |
| S5-237612 | 14/11/2023 13:37:45 | revised |
| S5-237613 | 15/11/2023 14:28:00 | revised |
| S5-237614 | 15/11/2023 14:30:24 | available |
| S5-237615 | 17/11/2023 11:23:36 | available |
| S5-237615 | 17/11/2023 11:25:37 | agreed |
| S5-237616 | 14/11/2023 16:16:52 | revised |
| S5-237617 | 15/11/2023 11:10:29 | agreed |
| S5-237618 | 15/11/2023 11:11:08 | agreed |
| S5-237619 | 14/11/2023 17:32:47 | revised |
| S5-237620 | 16/11/2023 10:27:55 | available |
| S5-237621 | 16/11/2023 10:29:15 | available |
| S5-237622 | 16/11/2023 08:40:15 | available |
| S5-237623 | 15/11/2023 16:17:58 | revised |
| S5-237624 | 14/11/2023 10:40:50 | revised |
| S5-237625 | 14/11/2023 10:35:44 | available |
| S5-237626 | 14/11/2023 10:38:07 | available |
| S5-237627 | 14/11/2023 10:39:09 | revised |
| S5-237628 | 13/11/2023 11:22:40 | approved |
| S5-237628 | 13/11/2023 11:26:07 | revised |
| S5-237629 | 14/11/2023 10:39:13 | revised |
| S5-237630 | 14/11/2023 10:39:39 | revised |
| S5-237631 | 14/11/2023 10:40:05 | revised |
| S5-237632 | 13/11/2023 16:09:34 | revised |
| S5-237633 | 17/11/2023 08:55:32 | noted |
| S5-237634 | 16/11/2023 11:09:03 | available |
| S5-237635 | 16/11/2023 11:09:13 | available |
| S5-237636 | 16/11/2023 11:09:18 | available |
| S5-237637 | 16/11/2023 11:09:21 | available |
| S5-237638 | 16/11/2023 11:10:28 | available |
| S5-237639 | 16/11/2023 11:10:31 | available |
| S5-237640 | 16/11/2023 11:10:34 | available |
| S5-237641 | 16/11/2023 11:10:37 | available |
| S5-237642 | 16/11/2023 11:10:40 | available |
| S5-237643 | 16/11/2023 11:10:43 | available |
| S5-237644 | 15/11/2023 08:37:02 | available |
| S5-237644 | 15/11/2023 08:37:33 | revised |
| S5-237645 | 15/11/2023 08:32:50 | revised |
| S5-237646 | 16/11/2023 08:19:59 | revised |
| S5-237647 | 16/11/2023 08:19:39 | revised |
| S5-237648 | 15/11/2023 17:11:47 | approved |
| S5-237649 | 14/11/2023 11:20:09 | revised |
| S5-237650 | 15/11/2023 17:12:05 | approved |
| S5-237651 | 15/11/2023 17:25:12 | revised |
| S5-237652 | 15/11/2023 17:27:42 | revised |
| S5-237653 | 15/11/2023 17:35:01 | revised |
| S5-237654 | 15/11/2023 17:13:49 | approved |
| S5-237655 | 14/11/2023 17:39:42 | revised |
| S5-237656 | 15/11/2023 10:20:49 | noted |
| S5-237657 | 15/11/2023 10:21:00 | revised |
| S5-237660 | 13/11/2023 17:33:45 | revised |
| S5-237661 | 13/11/2023 09:21:22 | available |
| S5-237662 | 13/11/2023 09:15:26 | available |
| S5-237663 | 16/11/2023 15:48:21 | revised |
| S5-237664 | 16/11/2023 15:48:37 | approved |
| S5-237665 | 16/11/2023 15:48:52 | revised |
| S5-237666 | 15/11/2023 16:20:29 | revised |
| S5-237667 | 17/11/2023 11:22:49 | approved |
| S5-237668 | 16/11/2023 15:49:16 | revised |
| S5-237669 | 16/11/2023 15:49:39 | revised |
| S5-237670 | 16/11/2023 15:49:48 | approved |
| S5-237671 | 16/11/2023 15:50:02 | revised |
| S5-237672 | 14/11/2023 10:40:41 | revised |
| S5-237673 | 14/11/2023 10:40:46 | revised |
| S5-237674 | 17/11/2023 08:21:26 | revised |
| S5-237675 | 15/11/2023 08:43:26 | revised |
| S5-237677 | 15/11/2023 08:41:06 | available |
| S5-237678 | 17/11/2023 11:01:01 | agreed |
| S5-237679 | 16/11/2023 14:01:10 | available |
| S5-237680 | 17/11/2023 11:01:12 | agreed |
| S5-237681 | 15/11/2023 13:08:24 | agreed |
| S5-237682 | 15/11/2023 17:22:09 | revised |
| S5-237683 | 15/11/2023 13:08:24 | agreed |
| S5-237684 | 17/11/2023 11:12:33 | agreed |
| S5-237685 | 17/11/2023 11:12:53 | agreed |
| S5-237686 | 14/11/2023 10:40:34 | revised |
| S5-237687 | 17/11/2023 09:22:39 | noted |
| S5-237688 | 13/11/2023 09:15:07 | revised |
| S5-237688 | 17/11/2023 09:04:21 | noted |
| S5-237689 | 16/11/2023 10:07:04 | revised |
| S5-237690 | 14/11/2023 10:16:46 | revised |
| S5-237691 | 13/11/2023 15:41:45 | approved |
| S5-237692 | 16/11/2023 14:01:19 | available |
| S5-237693 | 13/11/2023 15:15:10 | noted |
| S5-237693 | 14/11/2023 13:20:22 | revised |
| S5-237694 | 13/11/2023 15:19:27 | revised |
| S5-237695 | 14/11/2023 10:09:29 | available |
| S5-237696 | 14/11/2023 10:10:53 | available |
| S5-237697 | 14/11/2023 10:10:58 | available |
| S5-237698 | 17/11/2023 09:04:40 | reserved |
| S5-237698 | 24/11/2023 10:46:19 | approved |
| S5-237699 | 15/11/2023 08:37:23 | revised |
| S5-237700 | 16/11/2023 10:03:30 | available |
| S5-237700 | 16/11/2023 10:06:57 | revised |
| S5-237701 | 15/11/2023 08:36:48 | revised |
| S5-237702 | 13/11/2023 17:53:19 | revised |
| S5-237703 | 17/11/2023 11:11:58 | available |
| S5-237704 | 14/11/2023 14:16:04 | available |
| S5-237704 | 14/11/2023 14:17:30 | revised |
| S5-237705 | 14/11/2023 14:17:08 | available |
| S5-237705 | 14/11/2023 14:22:29 | revised |
| S5-237707 | 13/11/2023 08:47:44 | revised |
| S5-237708 | 15/11/2023 10:28:22 | revised |
| S5-237709 | 16/11/2023 08:20:57 | agreed |
| S5-237710 | 16/11/2023 08:20:58 | agreed |
| S5-237711 | 14/11/2023 13:42:59 | revised |
| S5-237712 | 15/11/2023 13:11:44 | agreed |
| S5-237713 | 15/11/2023 13:12:06 | agreed |
| S5-237714 | 14/11/2023 11:16:27 | revised |
| S5-237715 | 14/11/2023 11:20:53 | revised |
| S5-237717 | 14/11/2023 10:26:46 | revised |
| S5-237718 | 14/11/2023 11:21:37 | revised |
| S5-237719 | 14/11/2023 10:26:57 | revised |
| S5-237721 | 15/11/2023 08:33:38 | revised |
| S5-237722 | 16/11/2023 08:13:25 | available |
| S5-237723 | 16/11/2023 08:13:31 | available |
| S5-237724 | 16/11/2023 08:13:34 | available |
| S5-237725 | 16/11/2023 08:12:22 | revised |
| S5-237726 | 16/11/2023 08:44:49 | revised |
| S5-237727 | 16/11/2023 08:44:53 | revised |
| S5-237728 | 16/11/2023 08:47:08 | available |
| S5-237728 | 16/11/2023 08:48:04 | revised |
| S5-237729 | 16/11/2023 08:48:11 | revised |
| S5-237730 | 14/11/2023 13:28:10 | agreed |
| S5-237731 | 16/11/2023 09:11:44 | available |
| S5-237732 | 16/11/2023 09:11:51 | available |
| S5-237733 | 16/11/2023 09:11:55 | available |
| S5-237734 | 16/11/2023 09:12:20 | available |
| S5-237735 | 14/11/2023 10:33:28 | revised |
| S5-237736 | 14/11/2023 10:34:09 | revised |
| S5-237737 | 15/11/2023 15:25:25 | revised |
| S5-237738 | 15/11/2023 13:12:13 | approved |
| S5-237739 | 15/11/2023 15:28:42 | revised |
| S5-237740 | 15/11/2023 16:34:03 | revised |
| S5-237741 | 15/11/2023 15:29:30 | withdrawn |
| S5-237742 | 15/11/2023 15:30:46 | withdrawn |
| S5-237743 | 15/11/2023 15:30:53 | withdrawn |
| S5-237744 | 15/11/2023 15:30:41 | noted |
| S5-237745 | 15/11/2023 15:32:30 | noted |
| S5-237746 | 15/11/2023 15:33:38 | revised |
| S5-237747 | 13/11/2023 15:47:58 | noted |
| S5-237748 | 17/11/2023 10:57:47 | available |
| S5-237749 | 15/11/2023 17:40:51 | revised |
| S5-237750 | 15/11/2023 17:41:36 | revised |
| S5-237751 | 15/11/2023 17:43:54 | revised |
| S5-237752 | 16/11/2023 10:53:47 | agreed |
| S5-237753 | 15/11/2023 10:15:01 | revised |
| S5-237754 | 16/11/2023 10:53:47 | agreed |
| S5-237756 | 15/11/2023 10:18:07 | revised |
| S5-237757 | 16/11/2023 15:52:05 | available |
| S5-237758 | 16/11/2023 15:52:27 | revised |
| S5-237759 | 16/11/2023 15:52:38 | revised |
| S5-237760 | 16/11/2023 15:53:33 | revised |
| S5-237761 | 16/11/2023 15:53:51 | revised |
| S5-237762 | 16/11/2023 15:54:17 | revised |
| S5-237763 | 16/11/2023 15:54:38 | revised |
| S5-237764 | 16/11/2023 15:55:04 | revised |
| S5-237765 | 16/11/2023 15:55:27 | revised |
| S5-237766 | 16/11/2023 15:55:49 | available |
| S5-237767 | 16/11/2023 15:55:52 | available |
| S5-237768 | 16/11/2023 15:56:05 | available |
| S5-237769 | 16/11/2023 15:56:12 | available |
| S5-237770 | 16/11/2023 15:57:05 | revised |
| S5-237771 | 16/11/2023 15:56:52 | revised |
| S5-237772 | 16/11/2023 15:57:11 | agreed |
| S5-237773 | 16/11/2023 15:57:23 | revised |
| S5-237774 | 16/11/2023 15:57:36 | revised |
| S5-237775 | 16/11/2023 15:57:52 | revised |
| S5-237776 | 16/11/2023 15:58:09 | revised |
| S5-237777 | 16/11/2023 15:58:20 | revised |
| S5-237778 | 16/11/2023 15:58:32 | revised |
| S5-237779 | 16/11/2023 15:58:44 | revised |
| S5-237780 | 14/11/2023 17:36:08 | revised |
| S5-237781 | 15/11/2023 10:58:04 | revised |
| S5-237782 | 15/11/2023 10:58:16 | revised |
| S5-237783 | 15/11/2023 10:58:30 | revised |
| S5-237784 | 15/11/2023 11:13:35 | available |
| S5-237785 | 15/11/2023 11:26:12 | revised |
| S5-237786 | 15/11/2023 11:26:24 | revised |
| S5-237787 | 15/11/2023 11:26:38 | revised |
| S5-237788 | 15/11/2023 11:28:08 | revised |
| S5-237789 | 15/11/2023 11:29:23 | available |
| S5-237790 | 15/11/2023 11:29:56 | revised |
| S5-237791 | 15/11/2023 13:23:51 | revised |
| S5-237792 | 15/11/2023 13:24:01 | approved |
| S5-237793 | 15/11/2023 13:26:46 | revised |
| S5-237794 | 15/11/2023 13:26:52 | approved |
| S5-237795 | 15/11/2023 13:26:53 | approved |
| S5-237796 | 16/11/2023 13:26:23 | revised |
| S5-237797 | 16/11/2023 13:26:27 | revised |
| S5-237798 | 15/11/2023 13:59:08 | revised |
| S5-237799 | 17/11/2023 08:07:28 | noted |
| S5-237800 | 15/11/2023 08:46:03 | approved |
| S5-237801 | 15/11/2023 08:47:10 | available |
| S5-237801 | 15/11/2023 08:49:42 | endorsed |
| S5-237801 | 15/11/2023 08:51:33 | revised |
| S5-237801 | 17/11/2023 09:06:59 | noted |
| S5-237802 | 15/11/2023 09:01:19 | revised |
| S5-237802 | 17/11/2023 09:07:06 | noted |
| S5-237803 | 15/11/2023 10:15:46 | revised |
| S5-237804 | 16/11/2023 10:53:56 | agreed |
| S5-237805 | 15/11/2023 10:16:04 | revised |
| S5-237806 | 15/11/2023 10:16:28 | revised |
| S5-237807 | 15/11/2023 10:17:45 | revised |
| S5-237807 | 15/11/2023 10:17:49 | approved |
| S5-237808 | 15/11/2023 10:18:29 | revised |
| S5-237809 | 15/11/2023 08:36:18 | revised |
| S5-237810 | 15/11/2023 10:18:42 | revised |
| S5-237811 | 15/11/2023 08:36:21 | agreed |
| S5-237812 | 14/11/2023 17:46:23 | revised |
| S5-237813 | 13/11/2023 10:21:45 | revised |
| S5-237814 | 13/11/2023 10:21:49 | revised |
| S5-237815 | 14/11/2023 17:15:50 | revised |
| S5-237816 | 16/11/2023 07:49:37 | revised |
| S5-237817 | 15/11/2023 08:36:34 | revised |
| S5-237818 | 14/11/2023 17:05:23 | revised |
| S5-237819 | 14/11/2023 13:17:43 | revised |
| S5-237820 | 15/11/2023 10:28:55 | revised |
| S5-237821 | 15/11/2023 16:25:05 | noted |
| S5-237822 | 14/11/2023 10:27:03 | available |
| S5-237823 | 16/11/2023 15:56:27 | available |
| S5-237824 | 14/11/2023 17:10:39 | revised |
| S5-237825 | 14/11/2023 17:11:02 | revised |
| S5-237826 | 14/11/2023 17:11:19 | revised |
| S5-237827 | 14/11/2023 17:11:32 | revised |
| S5-237828 | 17/11/2023 08:02:15 | revised |
| S5-237829 | 17/11/2023 08:02:30 | revised |
| S5-237830 | 17/11/2023 08:04:39 | revised |
| S5-237831 | 17/11/2023 08:04:54 | revised |
| S5-237832 | 13/11/2023 16:02:22 | noted |
| S5-237833 | 15/11/2023 18:02:31 | withdrawn |
| S5-237834 | 17/11/2023 10:53:25 | noted |
| S5-237835 | 17/11/2023 09:10:32 | revised |
| S5-237835 | 28/11/2023 10:03:14 | noted |
| S5-237836 | 15/11/2023 09:16:49 | revised |
| S5-237837 | 15/11/2023 08:45:25 | approved |
| S5-237837 | 15/11/2023 08:51:07 | revised |
| S5-237838 | 16/11/2023 15:58:57 | noted |
| S5-237839 | 16/11/2023 16:06:49 | revised |
| S5-237840 | 16/11/2023 15:59:05 | available |
| S5-237841 | 16/11/2023 16:06:33 | revised |
| S5-237842 | 16/11/2023 16:07:04 | revised |
| S5-237843 | 16/11/2023 16:07:19 | revised |
| S5-237844 | 16/11/2023 16:07:31 | revised |
| S5-237845 | 16/11/2023 16:07:45 | revised |
| S5-237846 | 16/11/2023 16:07:56 | revised |
| S5-237847 | 16/11/2023 16:08:09 | revised |
| S5-237848 | 16/11/2023 16:08:36 | revised |
| S5-237849 | 16/11/2023 16:08:49 | revised |
| S5-237850 | 16/11/2023 16:09:01 | revised |
| S5-237851 | 14/11/2023 17:14:04 | revised |
| S5-237852 | 14/11/2023 17:15:01 | available |
| S5-237853 | 14/11/2023 17:15:17 | revised |
| S5-237854 | 14/11/2023 17:13:37 | revised |
| S5-237855 | 15/11/2023 10:14:42 | revised |
| S5-237856 | 15/11/2023 10:19:02 | revised |
| S5-237857 | 15/11/2023 10:19:17 | revised |
| S5-237858 | 14/11/2023 17:32:11 | revised |
| S5-237859 | 14/11/2023 17:28:53 | revised |
| S5-237860 | 14/11/2023 17:29:05 | revised |
| S5-237861 | 14/11/2023 17:29:19 | revised |
| S5-237862 | 14/11/2023 17:29:35 | revised |
| S5-237863 | 14/11/2023 17:29:48 | approved |
| S5-237864 | 14/11/2023 17:30:01 | revised |
| S5-237865 | 14/11/2023 17:30:17 | approved |
| S5-237866 | 14/11/2023 17:30:42 | revised |
| S5-237867 | 14/11/2023 17:30:57 | revised |
| S5-237868 | 14/11/2023 17:31:10 | revised |
| S5-237869 | 14/11/2023 17:31:28 | revised |
| S5-237870 | 14/11/2023 17:28:36 | approved |
| S5-237871 | 14/11/2023 17:31:47 | revised |
| S5-237872 | 15/11/2023 11:12:43 | revised |
| S5-237873 | 15/11/2023 10:22:43 | revised |
| S5-237874 | 15/11/2023 11:13:07 | revised |
| S5-237875 | 15/11/2023 11:27:34 | revised |
| S5-237876 | 15/11/2023 11:27:47 | revised |
| S5-237877 | 15/11/2023 13:22:11 | noted |
| S5-237878 | 16/11/2023 15:46:29 | revised |
| S5-237879 | 16/11/2023 15:46:35 | available |
| S5-237880 | 16/11/2023 15:46:55 | revised |
| S5-237881 | 16/11/2023 15:47:31 | revised |
| S5-237883 | 15/11/2023 08:33:02 | revised |
| S5-237884 | 15/11/2023 08:32:41 | revised |
| S5-237885 | 14/11/2023 17:25:15 | revised |
| S5-237886 | 16/11/2023 17:45:06 | noted |
| S5-237888 | 15/11/2023 15:00:36 | revised |
| S5-237889 | 16/11/2023 15:00:38 | revised |
| S5-237890 | 16/11/2023 15:01:14 | revised |
| S5-237891 | 16/11/2023 15:01:18 | revised |
| S5-237892 | 14/11/2023 16:50:47 | noted |
| S5-237892 | 14/11/2023 16:55:01 | revised |
| S5-237894 | 15/11/2023 17:52:47 | revised |
| S5-237896 | 13/11/2023 16:53:47 | agreed |
| S5-237898 | 16/11/2023 10:21:16 | revised |
| S5-237899 | 16/11/2023 10:21:20 | revised |
| S5-237900 | 16/11/2023 10:29:31 | revised |
| S5-237901 | 16/11/2023 10:29:34 | revised |
| S5-237902 | 15/11/2023 13:48:12 | agreed |
| S5-237902 | 15/11/2023 13:48:25 | withdrawn |
| S5-237903 | 15/11/2023 09:07:17 | revised |
| S5-237904 | 15/11/2023 13:48:35 | agreed |
| S5-237906 | 16/11/2023 08:52:10 | available |
| S5-237906 | 16/11/2023 08:52:53 | revised |
| S5-237907 | 16/11/2023 08:53:02 | revised |
| S5-237909 | 16/11/2023 13:26:33 | available |
| S5-237911 | 16/11/2023 13:26:36 | available |
| S5-237912 | 15/11/2023 15:00:29 | revised |
| S5-237913 | 16/11/2023 13:26:39 | available |
| S5-237914 | 15/11/2023 09:22:58 | revised |
| S5-237914 | 17/11/2023 09:09:36 | noted |
| S5-237915 | 16/11/2023 10:31:29 | available |
| S5-237915 | 16/11/2023 10:37:35 | merged |
| S5-237915 | 16/11/2023 11:12:41 | revised |
| S5-237916 | 17/11/2023 09:09:48 | noted |
| S5-237917 | 16/11/2023 13:21:01 | available |
| S5-237917 | 16/11/2023 13:26:49 | revised |
| S5-237918 | 17/11/2023 09:09:49 | noted |
| S5-237919 | 15/11/2023 15:00:20 | revised |
| S5-237920 | 16/11/2023 11:08:18 | agreed |
| S5-237921 | 13/11/2023 15:43:17 | noted |
| S5-237922 | 16/11/2023 11:08:19 | agreed |
| S5-237923 | 17/11/2023 10:53:46 | available |
| S5-237924 | 13/11/2023 16:30:05 | available |
| S5-237925 | 16/11/2023 11:08:20 | agreed |
| S5-237926 | 13/11/2023 15:13:08 | revised |
| S5-237927 | 13/11/2023 15:55:35 | revised |
| S5-237928 | 15/11/2023 08:33:48 | revised |
| S5-237929 | 15/11/2023 11:11:51 | agreed |
| S5-237930 | 17/11/2023 11:23:12 | available |
| S5-237931 | 17/11/2023 11:15:45 | available |
| S5-237932 | 14/11/2023 10:34:50 | withdrawn |
| S5-237933 | 16/11/2023 10:31:36 | available |
| S5-237933 | 16/11/2023 10:32:02 | merged |
| S5-237933 | 16/11/2023 10:41:34 | available |
| S5-237934 | 15/11/2023 16:30:38 | revised |
| S5-237935 | 17/11/2023 09:14:16 | approved |
| S5-237936 | 15/11/2023 17:01:19 | revised |
| S5-237937 | 16/11/2023 13:27:04 | revised |
| S5-237938 | 14/11/2023 10:24:59 | available |
| S5-237939 | 15/11/2023 08:41:01 | revised |
| S5-237940 | 14/11/2023 10:25:03 | available |
| S5-237941 | 17/11/2023 09:02:30 | approved |
| S5-237942 | 14/11/2023 10:25:07 | available |
| S5-237943 | 17/11/2023 09:14:31 | available |
| S5-237944 | 15/11/2023 16:25:42 | approved |
| S5-237945 | 17/11/2023 09:14:47 | approved |
| S5-237946 | 15/11/2023 14:13:16 | revised |
| S5-237947 | 17/11/2023 11:23:23 | available |
| S5-237948 | 13/11/2023 17:50:12 | noted |
| S5-237949 | 17/11/2023 11:10:47 | noted |
| S5-237950 | 15/11/2023 10:21:19 | revised |
| S5-237951 | 15/11/2023 09:36:01 | revised |
| S5-237951 | 17/11/2023 09:11:45 | noted |
| S5-237952 | 16/11/2023 08:54:22 | agreed |
| S5-237953 | 17/11/2023 09:08:46 | approved |
| S5-237954 | 15/11/2023 10:17:13 | noted |
| S5-237955 | 14/11/2023 10:32:25 | approved |
| S5-237956 | 15/11/2023 10:17:02 | revised |
| S5-237957 | 15/11/2023 17:46:00 | revised |
| S5-237958 | 16/11/2023 11:31:15 | revised |
| S5-237959 | 16/11/2023 13:26:55 | revised |
| S5-237960 | 16/11/2023 13:35:47 | available |
| S5-237961 | 16/11/2023 13:36:22 | agreed |
| S5-237962 | 16/11/2023 10:44:34 | agreed |
| S5-237963 | 16/11/2023 10:44:47 | agreed |
| S5-237964 | 13/11/2023 15:26:16 | revised |
| S5-237965 | 16/11/2023 13:45:03 | agreed |
| S5-237965 | 16/11/2023 13:46:10 | revised |
| S5-237966 | 14/11/2023 15:26:53 | revised |
| S5-237967 | 14/11/2023 13:08:09 | revised |
| S5-237968 | 14/11/2023 13:08:12 | revised |
| S5-237969 | 14/11/2023 15:26:58 | revised |
| S5-237970 | 14/11/2023 15:27:02 | revised |
| S5-237971 | 14/11/2023 15:27:05 | revised |
| S5-237972 | 14/11/2023 15:27:09 | revised |
| S5-237973 | 14/11/2023 10:25:20 | revised |
| S5-237974 | 17/11/2023 10:32:05 | postponed |
| S5-237975 | 17/11/2023 07:57:02 | noted |
| S5-237976 | 17/11/2023 10:33:01 | approved |
| S5-237976 | 17/11/2023 10:33:39 | agreed |
| S5-237977 | 14/11/2023 17:24:03 | reserved |
| S5-237977 | 28/11/2023 10:20:04 | approved |
| S5-237978 | 14/11/2023 17:27:50 | reserved |
| S5-237978 | 28/11/2023 10:20:05 | approved |
| S5-237979 | 14/11/2023 17:37:11 | reserved |
| S5-237979 | 28/11/2023 10:20:06 | approved |
| S5-237980 | 14/11/2023 17:34:36 | reserved |
| S5-237980 | 28/11/2023 10:20:08 | approved |
| S5-237981 | 14/11/2023 17:38:27 | reserved |
| S5-237981 | 28/11/2023 10:20:10 | approved |
| S5-237982 | 14/11/2023 17:42:18 | reserved |
| S5-237982 | 28/11/2023 10:20:10 | approved |
| S5-237983 | 14/11/2023 17:43:35 | reserved |
| S5-237983 | 28/11/2023 10:20:11 | approved |
| S5-237984 | 15/11/2023 13:27:29 | reserved |
| S5-237985 | 16/11/2023 15:43:40 | reserved |
| S5-237985 | 17/11/2023 15:12:10 | NETSLICE\_CH\_Ph2 |
| S5-237985 | 17/11/2023 15:12:26 | agreed |
| S5-237986 | 16/11/2023 17:23:59 | reserved |
| S5-237986 | 28/11/2023 10:19:59 | agreed |
| S5-237987 | 16/11/2023 17:24:02 | reserved |
| S5-237987 | 28/11/2023 10:20:01 | agreed |
| S5-237988 | 17/11/2023 07:57:32 | agreed |
| S5-237989 | 17/11/2023 07:57:37 | agreed |
| S5-237990 | 17/11/2023 10:16:48 | withdrawn |
| S5-237991 | 17/11/2023 10:16:50 | withdrawn |
| S5-237992 | 17/11/2023 08:00:47 | agreed |
| S5-237993 | 17/11/2023 10:46:24 | withdrawn |
| S5-237994 | 17/11/2023 08:01:54 | agreed |
| S5-237995 | 17/11/2023 08:01:58 | agreed |
| S5-237996 | 17/11/2023 08:05:14 | approved |
| S5-237997 | 17/11/2023 08:05:24 | approved |
| S5-237998 | 17/11/2023 08:05:38 | approved |
| S5-237999 | 17/11/2023 08:05:52 | approved |
| S5-238000 | 17/11/2023 08:06:04 | approved |
| S5-238001 | 17/11/2023 08:06:30 | approved |
| S5-238002 | 17/11/2023 08:06:43 | agreed |
| S5-238003 | 14/11/2023 17:26:33 | approved |
| S5-238004 | 17/11/2023 08:08:36 | approved |
| S5-238005 | 17/11/2023 08:09:05 | approved |
| S5-238006 | 17/11/2023 08:09:15 | approved |
| S5-238007 | 14/11/2023 17:29:23 | approved |
| S5-238008 | 17/11/2023 08:09:25 | approved |
| S5-238009 | 14/11/2023 17:30:06 | approved |
| S5-238010 | 17/11/2023 08:09:42 | approved |
| S5-238011 | 17/11/2023 08:09:48 | approved |
| S5-238012 | 17/11/2023 08:09:53 | approved |
| S5-238013 | 14/11/2023 17:31:29 | approved |
| S5-238014 | 17/11/2023 08:10:03 | agreed |
| S5-238015 | 17/11/2023 08:10:29 | approved |
| S5-238016 | 17/11/2023 08:11:01 | agreed |
| S5-238017 | 17/11/2023 08:11:14 | agreed |
| S5-238018 | 15/11/2023 10:15:05 | agreed |
| S5-238019 | 15/11/2023 10:16:09 | agreed |
| S5-238020 | 15/11/2023 10:16:07 | agreed |
| S5-238021 | 15/11/2023 10:16:29 | agreed |
| S5-238022 | 17/11/2023 08:12:03 | approved |
| S5-238023 | 17/11/2023 08:12:27 | approved |
| S5-238024 | 17/11/2023 08:12:39 | approved |
| S5-238025 | 17/11/2023 08:18:42 | approved |
| S5-238026 | 15/11/2023 10:18:47 | approved |
| S5-238027 | 17/11/2023 08:18:58 | agreed |
| S5-238028 | 16/11/2023 07:54:52 | withdrawn |
| S5-238029 | 17/11/2023 08:22:01 | approved |
| S5-238030 | 17/11/2023 08:22:48 | agreed |
| S5-238031 | 17/11/2023 08:23:25 | agreed |
| S5-238032 | 17/11/2023 08:23:35 | agreed |
| S5-238033 | 17/11/2023 08:23:42 | agreed |
| S5-238034 | 17/11/2023 08:23:49 | agreed |
| S5-238035 | 17/11/2023 08:24:01 | agreed |
| S5-238036 | 17/11/2023 08:24:11 | agreed |
| S5-238037 | 17/11/2023 08:24:35 | agreed |
| S5-238038 | 15/11/2023 11:28:09 | approved |
| S5-238039 | 17/11/2023 08:25:39 | agreed |
| S5-238040 | 17/11/2023 08:26:13 | approved |
| S5-238041 | 17/11/2023 08:26:24 | approved |
| S5-238042 | 15/11/2023 11:26:26 | agreed |
| S5-238043 | 17/11/2023 08:24:49 | agreed |
| S5-238044 | 17/11/2023 08:25:05 | agreed |
| S5-238045 | 17/11/2023 08:25:15 | agreed |
| S5-238046 | 17/11/2023 08:45:52 | approved |
| S5-238047 | 17/11/2023 08:46:11 | approved |
| S5-238048 | 17/11/2023 08:46:34 | approved |
| S5-238049 | 17/11/2023 08:46:40 | approved |
| S5-238050 | 17/11/2023 08:46:45 | approved |
| S5-238051 | 17/11/2023 08:46:55 | approved |
| S5-238052 | 17/11/2023 08:47:09 | approved |
| S5-238053 | 17/11/2023 08:47:03 | approved |
| S5-238054 | 17/11/2023 08:47:22 | approved |
| S5-238055 | 17/11/2023 08:47:26 | approved |
| S5-238056 | 17/11/2023 08:47:35 | approved |
| S5-238057 | 17/11/2023 09:58:49 | agreed |
| S5-238058 | 16/11/2023 15:47:46 | agreed |
| S5-238059 | 16/11/2023 15:47:38 | approved |
| S5-238060 | 17/11/2023 08:02:16 | agreed |
| S5-238061 | 17/11/2023 08:02:31 | agreed |
| S5-238062 | 17/11/2023 10:15:56 | agreed |
| S5-238063 | 17/11/2023 08:05:00 | agreed |
| S5-238064 | 16/11/2023 15:48:26 | approved |
| S5-238065 | 16/11/2023 15:48:56 | approved |
| S5-238066 | 17/11/2023 10:07:02 | approved |
| S5-238067 | 16/11/2023 15:49:43 | approved |
| S5-238068 | 16/11/2023 15:50:05 | approved |
| S5-238069 | 17/11/2023 10:07:13 | approved |
| S5-238070 | 17/11/2023 10:07:54 | agreed |
| S5-238071 | 17/11/2023 10:08:00 | agreed |
| S5-238072 | 17/11/2023 10:08:36 | agreed |
| S5-238073 | 17/11/2023 10:08:37 | agreed |
| S5-238074 | 17/11/2023 10:08:43 | agreed |
| S5-238075 | 17/11/2023 10:08:44 | agreed |
| S5-238076 | 17/11/2023 10:08:51 | agreed |
| S5-238077 | 17/11/2023 10:08:52 | agreed |
| S5-238078 | 16/11/2023 15:55:06 | agreed |
| S5-238079 | 17/11/2023 10:08:55 | agreed |
| S5-238080 | 17/11/2023 08:07:03 | agreed |
| S5-238081 | 17/11/2023 10:09:42 | agreed |
| S5-238082 | 17/11/2023 10:10:04 | agreed |
| S5-238083 | 16/11/2023 15:57:28 | agreed |
| S5-238084 | 16/11/2023 15:57:56 | agreed |
| S5-238085 | 16/11/2023 15:57:40 | agreed |
| S5-238086 | 16/11/2023 15:58:10 | agreed |
| S5-238087 | 16/11/2023 15:58:21 | agreed |
| S5-238088 | 16/11/2023 15:58:34 | agreed |
| S5-238089 | 16/11/2023 15:58:45 | agreed |
| S5-238090 | 17/11/2023 10:11:34 | agreed |
| S5-238091 | 17/11/2023 10:11:20 | agreed |
| S5-238092 | 17/11/2023 10:11:26 | agreed |
| S5-238093 | 17/11/2023 10:11:44 | agreed |
| S5-238094 | 17/11/2023 10:11:57 | agreed |
| S5-238095 | 17/11/2023 08:49:33 | approved |
| S5-238096 | 17/11/2023 09:02:12 | approved |
| S5-238097 | 17/11/2023 10:32:27 | noted |
| S5-238098 | 17/11/2023 08:54:22 | approved |
| S5-238099 | 17/11/2023 08:53:58 | approved |
| S5-238100 | 17/11/2023 09:04:20 | withdrawn |
| S5-238101 | 17/11/2023 09:00:39 | approved |
| S5-238102 | 17/11/2023 08:56:20 | approved |
| S5-238103 | 17/11/2023 08:56:40 | approved |
| S5-238104 | 15/11/2023 14:23:03 | revised |
| S5-238105 | 15/11/2023 14:24:41 | revised |
| S5-238106 | 17/11/2023 08:59:22 | approved |
| S5-238107 | 17/11/2023 09:01:05 | approved |
| S5-238108 | 17/11/2023 09:03:47 | postponed |
| S5-238109 | 17/11/2023 11:22:17 | approved |
| S5-238110 | 17/11/2023 10:41:12 | approved |
| S5-238111 | 17/11/2023 10:45:47 | approved |
| S5-238112 | 17/11/2023 10:46:05 | noted |
| S5-238112 | 17/11/2023 10:47:18 | approved |
| S5-238113 | 17/11/2023 10:43:14 | noted |
| S5-238114 | 17/11/2023 10:54:27 | noted |
| S5-238115 | 17/11/2023 10:42:22 | approved |
| S5-238115 | 17/11/2023 10:42:55 | noted |
| S5-238116 | 17/11/2023 10:42:39 | noted |
| S5-238117 | 17/11/2023 10:48:03 | noted |
| S5-238118 | 17/11/2023 10:57:12 | noted |
| S5-238119 | 17/11/2023 10:54:50 | approved |
| S5-238119 | 17/11/2023 10:56:56 | revised |
| S5-238120 | 14/11/2023 16:28:04 | noted |
| S5-238121 | 17/11/2023 10:44:25 | noted |
| S5-238122 | 17/11/2023 10:51:08 | noted |
| S5-238123 | 17/11/2023 10:54:18 | approved |
| S5-238124 | 16/11/2023 08:37:02 | agreed |
| S5-238125 | 16/11/2023 08:37:03 | agreed |
| S5-238126 | 17/11/2023 10:52:01 | noted |
| S5-238127 | 17/11/2023 10:32:44 | noted |
| S5-238128 | 17/11/2023 10:40:43 | noted |
| S5-238129 | 17/11/2023 11:16:48 | noted |
| S5-238130 | 17/11/2023 11:01:46 | noted |
| S5-238131 | 17/11/2023 10:47:44 | noted |
| S5-238132 | 17/11/2023 10:44:17 | approved |
| S5-238133 | 17/11/2023 09:19:13 | available |
| S5-238133 | 17/11/2023 09:21:15 | agreed |
| S5-238134 | 17/11/2023 09:19:22 | available |
| S5-238134 | 17/11/2023 09:21:18 | agreed |
| S5-238134 | 17/11/2023 13:06:25 | revised |
| S5-238135 | 17/11/2023 09:21:59 | agreed |
| S5-238136 | 17/11/2023 09:22:52 | agreed |
| S5-238137 | 17/11/2023 10:36:09 | agreed |
| S5-238138 | 17/11/2023 10:41:37 | approved |
| S5-238139 | 17/11/2023 10:41:53 | approved |
| S5-238140 | 17/11/2023 10:31:58 | approved |
| S5-238141 | 17/11/2023 11:02:38 | agreed |
| S5-238142 | 17/11/2023 11:02:25 | approved |
| S5-238143 | 17/11/2023 11:03:03 | agreed |
| S5-238144 | 17/11/2023 11:03:21 | noted |
| S5-238145 | 17/11/2023 11:04:25 | noted |
| S5-238146 | 17/11/2023 11:05:08 | available |
| S5-238147 | 17/11/2023 11:05:13 | available |
| S5-238148 | 17/11/2023 11:05:37 | agreed |
| S5-238149 | 17/11/2023 11:05:53 | agreed |
| S5-238150 | 17/11/2023 11:06:01 | agreed |
| S5-238151 | 17/11/2023 11:06:19 | agreed |
| S5-238152 | 17/11/2023 11:06:30 | agreed |
| S5-238153 | 17/11/2023 11:06:46 | agreed |
| S5-238154 | 17/11/2023 11:06:55 | available |
| S5-238155 | 17/11/2023 11:07:05 | withdrawn |
| S5-238156 | 17/11/2023 11:07:14 | withdrawn |
| S5-238157 | 17/11/2023 11:07:56 | agreed |
| S5-238158 | 17/11/2023 11:08:14 | agreed |
| S5-238159 | 17/11/2023 11:08:26 | agreed |
| S5-238160 | 17/11/2023 11:08:38 | agreed |
| S5-238161 | 17/11/2023 11:07:34 | noted |
| S5-238162 | 17/11/2023 08:57:45 | approved |
| S5-238163 | 15/11/2023 13:54:37 | agreed |
| S5-238164 | 17/11/2023 11:09:46 | approved |
| S5-238165 | 17/11/2023 11:09:59 | approved |
| S5-238166 | 17/11/2023 11:10:18 | noted |
| S5-238167 | 17/11/2023 11:10:09 | noted |
| S5-238168 | 17/11/2023 11:10:25 | noted |
| S5-238169 | 17/11/2023 11:10:33 | noted |
| S5-238170 | 17/11/2023 10:43:20 | noted |
| S5-238171 | 17/11/2023 10:43:27 | withdrawn |
| S5-238172 | 17/11/2023 10:45:30 | noted |
| S5-238173 | 17/11/2023 10:57:35 | agreed |
| S5-238174 | 17/11/2023 09:27:00 | agreed |
| S5-238175 | 17/11/2023 09:27:07 | agreed |
| S5-238176 | 17/11/2023 10:58:03 | agreed |
| S5-238177 | 17/11/2023 13:43:29 | noted |
| S5-238178 | 17/11/2023 10:58:31 | agreed |
| S5-238179 | 17/11/2023 10:58:44 | agreed |
| S5-238180 | 17/11/2023 10:58:56 | agreed |
| S5-238181 | 17/11/2023 10:59:07 | agreed |
| S5-238182 | 17/11/2023 10:59:24 | agreed |
| S5-238183 | 17/11/2023 10:59:39 | agreed |
| S5-238184 | 17/11/2023 11:00:50 | agreed |
| S5-238185 | 17/11/2023 11:01:20 | withdrawn |
| S5-238186 | 17/11/2023 11:01:33 | agreed |
| S5-238187 | 17/11/2023 10:59:55 | withdrawn |
| S5-238188 | 17/11/2023 11:00:12 | agreed |
| S5-238189 | 16/11/2023 13:44:54 | agreed |
| S5-238190 | 16/11/2023 13:48:01 | agreed |
| S5-238191 | 16/11/2023 13:48:04 | agreed |
| S5-238192 | 16/11/2023 13:48:08 | agreed |
| S5-238193 | 16/11/2023 13:48:11 | agreed |
| S5-238194 | 17/11/2023 09:24:00 | agreed |
| S5-238195 | 14/11/2023 15:45:04 | noted |
| S5-238196 | 17/11/2023 13:16:17 | agreed |
| S5-238197 | 17/11/2023 10:59:38 | agreed |
| S5-238198 | 14/11/2023 16:55:10 | noted |
| S5-238199 | 17/11/2023 09:36:28 | revised |
| S5-238199 | 01/12/2023 14:25:50 | agreed |
| S5-238200 | 17/11/2023 13:22:02 | agreed |
| S5-238201 | 17/11/2023 13:23:42 | agreed |
| S5-238202 | 17/11/2023 13:16:41 | agreed |
| S5-238203 | 17/11/2023 13:17:53 | revised |
| S5-238204 | 17/11/2023 08:32:35 | revised |
| S5-238205 | 17/11/2023 08:30:14 | revised |
| S5-238206 | 17/11/2023 13:17:14 | agreed |
| S5-238207 | 17/11/2023 13:22:38 | agreed |
| S5-238208 | 17/11/2023 13:20:34 | revised |
| S5-238209 | 17/11/2023 13:24:11 | agreed |
| S5-238210 | 17/11/2023 11:13:05 | agreed |
| S5-238211 | 17/11/2023 10:00:17 | revised |
| S5-238212 | 17/11/2023 11:13:53 | agreed |
| S5-238213 | 17/11/2023 11:13:54 | agreed |
| S5-238214 | 17/11/2023 11:14:14 | agreed |
| S5-238215 | 17/11/2023 11:14:30 | agreed |
| S5-238216 | 17/11/2023 10:05:14 | revised |
| S5-238217 | 15/11/2023 08:52:11 | reserved |
| S5-238217 | 28/11/2023 10:02:55 | withdrawn |
| S5-238218 | 17/11/2023 09:06:26 | approved |
| S5-238219 | 17/11/2023 09:06:54 | noted |
| S5-238219 | 17/11/2023 09:07:14 | withdrawn |
| S5-238220 | 17/11/2023 09:07:09 | withdrawn |
| S5-238221 | 17/11/2023 09:08:50 | approved |
| S5-238222 | 17/11/2023 09:08:03 | approved |
| S5-238223 | 17/11/2023 09:11:46 | withdrawn |
| S5-238224 | 17/11/2023 09:12:43 | noted |
| S5-238225 | 17/11/2023 11:15:31 | agreed |
| S5-238226 | 17/11/2023 11:00:40 | agreed |
| S5-238227 | 17/11/2023 11:01:43 | agreed |
| S5-238228 | 17/11/2023 10:58:01 | noted |
| S5-238229 | 17/11/2023 10:40:00 | approved |
| S5-238230 | 15/11/2023 10:38:53 | reserved |
| S5-238230 | 28/11/2023 10:19:42 | approved |
| S5-238231 | 17/11/2023 10:40:21 | noted |
| S5-238232 | 17/11/2023 09:06:00 | approved |
| S5-238233 | 17/11/2023 11:14:55 | available |
| S5-238234 | 17/11/2023 11:15:07 | agreed |
| S5-238235 | 17/11/2023 13:25:30 | revised |
| S5-238236 | 15/11/2023 13:35:05 | reserved |
| S5-238236 | 28/11/2023 10:19:52 | approved |
| S5-238237 | 17/11/2023 09:05:37 | approved |
| S5-238238 | 17/11/2023 09:05:23 | approved |
| S5-238239 | 17/11/2023 09:05:48 | approved |
| S5-238239 | 17/11/2023 14:01:00 | agreed |
| S5-238240 | 15/11/2023 13:45:59 | reserved |
| S5-238241 | 17/11/2023 11:11:05 | agreed |
| S5-238242 | 17/11/2023 11:11:15 | noted |
| S5-238243 | 17/11/2023 13:28:37 | revised |
| S5-238244 | 17/11/2023 11:11:39 | available |
| S5-238245 | 17/11/2023 11:28:28 | withdrawn |
| S5-238246 | 17/11/2023 11:16:03 | agreed |
| S5-238247 | 17/11/2023 11:16:16 | available |
| S5-238248 | 17/11/2023 11:23:55 | available |
| S5-238249 | 16/11/2023 11:03:29 | agreed |
| S5-238250 | 16/11/2023 11:04:34 | agreed |
| S5-238251 | 16/11/2023 11:05:09 | agreed |
| S5-238252 | 17/11/2023 11:21:00 | approved |
| S5-238253 | 17/11/2023 10:12:12 | agreed |
| S5-238254 | 17/11/2023 10:12:15 | agreed |
| S5-238255 | 17/11/2023 10:12:19 | agreed |
| S5-238256 | 17/11/2023 10:12:23 | agreed |
| S5-238257 | 17/11/2023 10:12:32 | agreed |
| S5-238258 | 17/11/2023 10:12:34 | agreed |
| S5-238259 | 17/11/2023 10:12:41 | agreed |
| S5-238260 | 17/11/2023 10:12:42 | agreed |
| S5-238261 | 17/11/2023 11:36:00 | reserved |
| S5-238261 | 28/11/2023 10:19:47 | approved |
| S5-238262 | 17/11/2023 13:18:54 | agreed |
| S5-238263 | 17/11/2023 11:21:11 | approved |
| S5-238264 | 17/11/2023 09:24:10 | agreed |
| S5-238265 | 17/11/2023 13:45:56 | approved |
| S5-238266 | 17/11/2023 09:13:45 | approved |
| S5-238267 | 17/11/2023 09:14:56 | noted |
| S5-238268 | 17/11/2023 09:15:28 | noted |
| S5-238269 | 17/11/2023 11:22:39 | approved |
| S5-238270 | 15/11/2023 16:29:14 | reserved |
| S5-238270 | 28/11/2023 10:19:54 | approved |
| S5-238271 | 17/11/2023 09:15:43 | noted |
| S5-238272 | 16/11/2023 15:29:59 | withdrawn |
| S5-238273 | 17/11/2023 10:52:53 | approved |
| S5-238274 | 17/11/2023 09:16:01 | approved |
| S5-238275 | 17/11/2023 11:17:32 | agreed |
| S5-238276 | 17/11/2023 11:17:20 | approved |
| S5-238277 | 15/11/2023 17:25:56 | reserved |
| S5-238277 | 28/11/2023 10:19:55 | approved |
| S5-238278 | 17/11/2023 11:17:45 | approved |
| S5-238279 | 17/11/2023 11:17:57 | approved |
| S5-238280 | 17/11/2023 11:18:08 | noted |
| S5-238280 | 17/11/2023 11:18:09 | approved |
| S5-238281 | 17/11/2023 13:46:06 | approved |
| S5-238282 | 17/11/2023 13:46:18 | approved |
| S5-238283 | 17/11/2023 13:46:33 | approved |
| S5-238284 | 17/11/2023 10:34:34 | agreed |
| S5-238285 | 17/11/2023 09:28:33 | agreed |
| S5-238286 | 15/11/2023 17:52:52 | reserved |
| S5-238286 | 15/11/2023 17:53:47 | endorsed |
| S5-238286 | 17/11/2023 09:26:11 | available |
| S5-238287 | 17/11/2023 09:25:58 | agreed |
| S5-238288 | 17/11/2023 11:23:02 | agreed |
| S5-238289 | 17/11/2023 11:13:11 | available |
| S5-238290 | 16/11/2023 08:13:50 | agreed |
| S5-238291 | 17/11/2023 09:26:40 | withdrawn |
| S5-238292 | 17/11/2023 09:26:30 | withdrawn |
| S5-238293 | 16/11/2023 08:28:24 | agreed |
| S5-238294 | 16/11/2023 08:28:25 | agreed |
| S5-238295 | 16/11/2023 08:30:08 | agreed |
| S5-238296 | 16/11/2023 08:30:09 | agreed |
| S5-238297 | 17/11/2023 09:28:20 | agreed |
| S5-238298 | 17/11/2023 09:28:46 | agreed |
| S5-238299 | 17/11/2023 09:28:47 | agreed |
| S5-238300 | 16/11/2023 08:48:25 | agreed |
| S5-238301 | 16/11/2023 08:48:26 | agreed |
| S5-238302 | 17/11/2023 09:29:05 | agreed |
| S5-238303 | 17/11/2023 09:29:07 | agreed |
| S5-238304 | 17/11/2023 09:29:47 | agreed |
| S5-238305 | 16/11/2023 10:05:23 | revised |
| S5-238305 | 17/11/2023 10:35:02 | agreed |
| S5-238306 | 17/11/2023 10:35:06 | agreed |
| S5-238307 | 17/11/2023 07:24:00 | noted |
| S5-238308 | 17/11/2023 10:41:25 | approved |
| S5-238309 | 17/11/2023 11:02:16 | approved |
| S5-238310 | 17/11/2023 10:35:22 | agreed |
| S5-238311 | 17/11/2023 10:35:31 | agreed |
| S5-238312 | 17/11/2023 10:35:35 | agreed |
| S5-238313 | 17/11/2023 11:11:50 | available |
| S5-238313 | 17/11/2023 11:11:53 | agreed |
| S5-238314 | 17/11/2023 10:36:20 | agreed |
| S5-238315 | 17/11/2023 10:36:21 | agreed |
| S5-238316 | 17/11/2023 10:36:37 | agreed |
| S5-238317 | 17/11/2023 10:36:38 | agreed |
| S5-238318 | 16/11/2023 10:58:50 | agreed |
| S5-238319 | 16/11/2023 10:58:51 | agreed |
| S5-238320 | 16/11/2023 10:58:53 | agreed |
| S5-238321 | 17/11/2023 10:35:50 | agreed |
| S5-238322 | 17/11/2023 10:37:36 | agreed |
| S5-238323 | 17/11/2023 10:37:37 | agreed |
| S5-238324 | 17/11/2023 10:37:40 | agreed |
| S5-238325 | 16/11/2023 11:31:20 | agreed |
| S5-238325 | 28/11/2023 13:47:39 | revised |
| S5-238325 | 28/11/2023 13:55:30 | agreed |
| S5-238326 | 17/11/2023 09:29:24 | agreed |
| S5-238327 | 17/11/2023 13:45:11 | approved |
| S5-238328 | 17/11/2023 10:38:57 | withdrawn |
| S5-238329 | 17/11/2023 10:39:06 | withdrawn |
| S5-238330 | 17/11/2023 10:39:16 | agreed |
| S5-238331 | 17/11/2023 10:39:28 | agreed |
| S5-238332 | 17/11/2023 10:39:17 | agreed |
| S5-238333 | 16/11/2023 13:46:37 | agreed |
| S5-238334 | 17/11/2023 10:50:41 | noted |
| S5-238334 | 17/11/2023 12:57:19 | revised |
| S5-238335 | 17/11/2023 11:21:16 | approved |
| S5-238336 | 17/11/2023 10:37:05 | agreed |
| S5-238337 | 17/11/2023 10:37:11 | agreed |
| S5-238338 | 17/11/2023 10:37:13 | agreed |
| S5-238339 | 17/11/2023 11:08:53 | approved |
| S5-238340 | 17/11/2023 13:42:58 | agreed |
| S5-238341 | 17/11/2023 13:42:45 | approved |
| S5-238342 | 17/11/2023 13:19:10 | agreed |
| S5-238343 | 17/11/2023 13:23:21 | agreed |
| S5-238344 | 17/11/2023 09:23:50 | agreed |
| S5-238345 | 17/11/2023 08:53:17 | noted |
| S5-238346 | 17/11/2023 09:10:34 | reserved |
| S5-238346 | 28/11/2023 10:03:09 | withdrawn |
| S5-238347 | 17/11/2023 13:43:47 | approved |
| S5-238348 | 17/11/2023 11:13:32 | agreed |
| S5-238349 | 17/11/2023 11:14:44 | agreed |
| S5-238350 | 17/11/2023 13:43:20 | approved |
| S5-238351 | 17/11/2023 13:30:49 | agreed |
| S5-238352 | 17/11/2023 13:20:48 | agreed |
| S5-238353 | 17/11/2023 13:25:59 | agreed |
| S5-238354 | 17/11/2023 13:28:38 | agreed |
| S5-238355 | 17/11/2023 13:53:34 | reserved |
| S5-238355 | 28/11/2023 10:19:51 | approved |
| S5-238356 | 17/11/2023 13:53:42 | reserved |
| S5-238356 | 28/11/2023 10:19:53 | approved |
| S5-238357 | 17/11/2023 13:53:51 | reserved |
| S5-238357 | 28/11/2023 10:19:58 | approved |
| S5-238358 | 17/11/2023 14:20:13 | reserved |
| S5-238358 | 28/11/2023 10:19:50 | approved |
| S5-238359 | 17/11/2023 14:25:53 | reserved |
| S5-238359 | 28/11/2023 10:19:43 | approved |
| S5-238360 | 17/11/2023 15:10:50 | reserved |
| S5-238360 | 28/11/2023 10:19:46 | approved |
| S5-238361 | 18/11/2023 18:17:49 | reserved |
| S5-238361 | 28/11/2023 10:19:48 | approved |
| S5-238362 | 22/11/2023 06:52:20 | reserved |
| S5-238362 | 28/11/2023 10:19:49 | approved |
| S5-238363 | 28/11/2023 13:51:51 | agreed |

## Annex B: List of change requests

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| S5-237593 | correction on startTime and stopTime in MDARequest | Huawei | 28.104 | 0068 | - | Rel-17 | F | eMDAS | agreed |
| S5-237594 | Correction on startTime and stopTime in MDARequest | Huawei | 28.104 | 0069 | - | Rel-18 | A | eMDAS | agreed |
| S5-237646 | Rel-18 CR 28.104 Update discription on deployment of multiple MDAs | CATT | 28.104 | 0070 | - | Rel-18 | A | eMDAS | not pursued |
| S5-238292 | Rel-18 CR 28.104 Update discription on deployment of multiple MDAs | CATT | 28.104 | 0070 | 1 | Rel-18 | A | eMDAS | withdrawn |
| S5-237647 | Rel-17 CR 28.104 Update discription on deployment of multiple MDAs | CATT | 28.104 | 0071 | - | Rel-17 | F | eMDAS | not pursued |
| S5-238291 | Rel-17 CR 28.104 Update discription on deployment of multiple MDAs | CATT | 28.104 | 0071 | 1 | Rel-17 | F | eMDAS | withdrawn |
| S5-237709 | Correct issues for references of enabling data | Huawei | 28.104 | 0072 | - | Rel-17 | F | eMDAS | agreed |
| S5-237710 | Correct issues for references of enabling data | Huawei | 28.104 | 0073 | - | Rel-18 | A | eMDAS | agreed |
| S5-237882 | Correction of attribute properties | Ericsson | 28.104 | 0074 | - | Rel-17 | F | eMDAS | withdrawn |
| S5-237893 | Correction of attribute properties | Ericsson | 28.104 | 0075 | - | Rel-18 | A | eMDAS | withdrawn |
| S5-237967 | Correction of attribute properties | Ericsson-LG Co., LTD | 28.104 | 0076 | - | Rel-17 | F | eMDAS | revised |
| S5-238174 | Correction of attribute properties | Ericsson-LG Co., LTD | 28.104 | 0076 | 1 | Rel-17 | F | eMDAS | agreed |
| S5-237968 | Rel-18 CR 28.104 Correction of attribute properties | Ericsson-LG Co., LTD | 28.104 | 0077 | - | Rel-18 | A | eMDAS | revised |
| S5-238175 | Rel-18 CR 28.104 Correction of attribute properties | Ericsson-LG Co., LTD | 28.104 | 0077 | 1 | Rel-18 | A | eMDAS | agreed |
| S5-238285 | Rel 17 CR TS 28.105 Remove unused attribute mLEntityList | Ericsson,Nokia | 28.105 | 0060 | 1 | Rel-17 | F | eMDAS | agreed |
| S5-237521 | CR TS 28.105 Rel-17 Correction of IOC name | Ericsson India Private Limited | 28.105 | 0062 | - | Rel-17 | F | eMDAS | revised |
| S5-238293 | CR TS 28.105 Rel-17 Correction of IOC name | Ericsson India Private Limited | 28.105 | 0062 | 1 | Rel-17 | F | eMDAS | agreed |
| S5-237522 | CR TS 28.105 Rel-18 Correction of IOC name | Ericsson India Private Limited | 28.105 | 0063 | - | Rel-18 | A | eMDAS | revised |
| S5-238294 | CR TS 28.105 Rel-18 Correction of IOC name | Ericsson India Private Limited | 28.105 | 0063 | 1 | Rel-18 | A | eMDAS | agreed |
| S5-237523 | TS 28.105 Rel-17 Correction of attribute properties | Ericsson India Private Limited | 28.105 | 0064 | - | Rel-17 | F | eMDAS | revised |
| S5-238295 | TS 28.105 Rel-17 Correction of attribute properties | Ericsson India Private Limited | 28.105 | 0064 | 1 | Rel-17 | F | eMDAS | agreed |
| S5-237531 | TS 28.105 Rel-18 Correction of attribute properties | Ericsson India Private Limited | 28.105 | 0065 | - | Rel-18 | A | eMDAS | revised |
| S5-238296 | TS 28.105 Rel-18 Correction of attribute properties | Ericsson India Private Limited | 28.105 | 0065 | 1 | Rel-18 | A | eMDAS | agreed |
| S5-237533 | TS 28.105 Rel-18 Correction of MLTrainingFunction constraints | Ericsson India Private Limited | 28.105 | 0066 | - | Rel-18 | F | AIML\_MGT | revised |
| S5-238297 | TS 28.105 Rel-18 Correction of MLTrainingFunction constraints | Ericsson India Private Limited | 28.105 | 0066 | 1 | Rel-18 | F | AIML\_MGT | agreed |
| S5-237534 | Rel 17 CR TS 28.105 Resolve issues related to the usage of confidenceIndication attribute | Nokia, Nokia Shanghai Bell | 28.105 | 0067 | - | Rel-17 | F | eMDAS | revised |
| S5-238124 | Rel 17 CR TS 28.105 Resolve issues related to the usage of confidenceIndication attribute | Nokia, Nokia Shanghai Bell | 28.105 | 0067 | 1 | Rel-17 | F | eMDAS | agreed |
| S5-237535 | Rel 18 CR TS 28.105 Resolve issues related to the usage of confidenceIndication attribute | Nokia, Nokia Shanghai Bell | 28.105 | 0068 | - | Rel-18 | A | eMDAS | revised |
| S5-238125 | Rel 18 CR TS 28.105 Resolve issues related to the usage of confidenceIndication attribute | Nokia, Nokia Shanghai Bell | 28.105 | 0068 | 1 | Rel-18 | A | eMDAS | agreed |
| S5-237571 | Rel 18 CR TS 28.105 Fix incorrect figure label | Ericsson | 28.105 | 0069 | - | Rel-18 | A | TEI17 | agreed |
| S5-237574 | Rel 17 CR TS 28.105 Fix incorrect figure label | Ericsson | 28.105 | 0070 | - | Rel-17 | F | TEI17 | agreed |
| S5-237622 | Rel-18 CR TS 28.105 Removing ML Entity ID attribute | Nokia, Nokia Shanghai Bell | 28.105 | 0071 | - | Rel-18 | F | AIML\_MGT | not pursued |
| S5-237833 | Rel-17 TS 28.105 Restore definition of attribute mLEntityList | Ericsson India Private Limited | 28.105 | 0072 | - | Rel-17 | F | AIML\_MGT | not pursued |
| S5-237503 | Add definitions | Huawei, Ericsson, Nokia | 28.310 | 0039 | 2 | Rel-18 | B | EE5GPLUS\_Ph2 | agreed |
| S5-237506 | Rel-18 CR 28.312 Intent Conflict Resolution Procedure | Huawei, ZTE | 28.312 | 0142 | 2 | Rel-18 | F | IDMS\_MN\_ph2 | revised |
| S5-238184 | Rel-18 CR 28.312 Intent Conflict Resolution Procedure | Huawei, ZTE | 28.312 | 0142 | 3 | Rel-18 | F | IDMS\_MN\_ph2 | agreed |
| S5-237678 | Clarify MnS consumer how handling infeasible results of intent fulfilment feasibility check | ZTE Corporation, China Mobile, Huawei | 28.312 | 0153 | 2 | Rel-18 | F | IDMS\_MN\_ph2 | agreed |
| S5-237429 | Rel-18 CR TS 28.312 Update RadioNetworkExpectation definition | Huawei, Deutsche Telekom | 28.312 | 0171 | - | Rel-18 | F | IDMS\_MN\_ph2 | revised |
| S5-238178 | Rel-18 CR TS 28.312 Update RadioNetworkExpectation definition | Huawei, Deutsche Telekom | 28.312 | 0171 | 1 | Rel-18 | F | IDMS\_MN\_ph2 | agreed |
| S5-237430 | Rel-18 CR TS 28.312 Update Annex D YAML document example to align with the latest intentNRM and intentExpectationNRM YAML definition | Huawei | 28.312 | 0172 | - | Rel-18 | F | IDMS\_MN\_ph2 | agreed |
| S5-237431 | Rel-18 CR TS 28.312 Update ValueRangeType to support scenario specific intent expectation | Huawei, Deutsche Telekom | 28.312 | 0173 | - | Rel-18 | F | IDMS\_MN\_ph2 | revised |
| S5-238179 | Rel-18 CR TS 28.312 Update ValueRangeType to support scenario specific intent expectation | Huawei, Deutsche Telekom | 28.312 | 0173 | 1 | Rel-18 | F | IDMS\_MN\_ph2 | agreed |
| S5-237432 | Rel-18 CR TS 28.312 Correct the stage2 and stage3 definition for intentPriority | Huawei, Deutsche Telekom | 28.312 | 0174 | - | Rel-18 | F | IDMS\_MN\_ph2 | revised |
| S5-238182 | Rel-18 CR TS 28.312 Correct the stage2 and stage3 definition for intentPriority | Huawei, Deutsche Telekom | 28.312 | 0174 | 1 | Rel-18 | F | IDMS\_MN\_ph2 | agreed |
| S5-237433 | Rel-18 CR TS28.312 Update the stage3 to aign with the latest stage2 | Huawei | 28.312 | 0175 | - | Rel-18 | F | IDMS\_MN\_ph2 | revised |
| S5-238173 | Rel-18 CR TS28.312 Update the stage3 to aign with the latest stage2 | Huawei | 28.312 | 0175 | 1 | Rel-18 | F | IDMS\_MN\_ph2 | agreed |
| S5-237437 | Rel-18 CR TS 28.312 add recommendedSolutions value in IntentReport | NTT DOCOMO | 28.312 | 0176 | - | Rel-18 | B | IDMS\_MN\_ph2 | revised |
| S5-238197 | Rel-18 CR TS 28.312 add recommendedSolutions value in IntentReport | NTT DOCOMO | 28.312 | 0176 | 1 | Rel-18 | B | IDMS\_MN\_ph2 | agreed |
| S5-237438 | Rel-18 CR TS 28.312 add attributes of intent preemption | NTT DOCOMO, China Mobile Com. Corporation | 28.312 | 0177 | - | Rel-18 | B | IDMS\_MN\_ph2 | revised |
| S5-238183 | Rel-18 CR TS 28.312 add attributes of intent preemption | NTT DOCOMO, China Mobile Com. Corporation | 28.312 | 0177 | 1 | Rel-18 | B | IDMS\_MN\_ph2 | agreed |
| S5-237472 | Rel-18 CR 28.312 IntentReport cardinality | Huawei | 28.312 | 0178 | - | Rel-18 | F | IDMS\_MN\_ph2 | not pursued |
| S5-238187 | Rel-18 CR 28.312 IntentReport cardinality | Huawei | 28.312 | 0178 | 1 | Rel-18 | F | IDMS\_MN\_ph2 | withdrawn |
| S5-237474 | Rel-18 CR 28.312 Missing attribute definitions | Huawei | 28.312 | 0179 | - | Rel-18 | F | IDMS\_MN\_ph2 | revised |
| S5-238188 | Rel-18 CR 28.312 Missing attribute definitions | Huawei | 28.312 | 0179 | 1 | Rel-18 | F | IDMS\_MN\_ph2 | agreed |
| S5-237494 | Rel18\_CR\_28312 Correct intent Report Model | Nokia, Nokia Shanghai Bell | 28.312 | 0180 | - | Rel-18 | F | IDMS\_MN\_ph2 | merged |
| S5-237495 | Rel18\_CR\_28312 information on a test Intent | Nokia, Nokia Shanghai Bell | 28.312 | 0181 | - | Rel-18 | B | IDMS\_MN\_ph2 | not pursued |
| S5-237496 | Rel18\_CR\_28312 Clarify observation period and fulfilment deadline | Nokia, Nokia Shanghai Bell | 28.312 | 0182 | - | Rel-18 | C | IDMS\_MN\_ph2 | revised |
| S5-238226 | Rel18\_CR\_28312 Clarify observation period and fulfilment deadline | Nokia, Nokia Shanghai Bell | 28.312 | 0182 | 1 | Rel-18 | C | IDMS\_MN\_ph2 | agreed |
| S5-237519 | Rel-18 CR 28.312 Errors in attribute definitions | Huawei | 28.312 | 0183 | - | Rel-18 | F | IDMS\_MN\_ph2 | agreed |
| S5-237597 | Update 5GC expectation | Huawei | 28.312 | 0184 | - | Rel-18 | B | IDMS\_MN\_ph2 | agreed |
| S5-237612 | Rel-18 CR TS 28.312 Update the description of requirements for obtaining intent report information in use cases | China Mobile Com. Corporation | 28.312 | 0185 | - | Rel-18 | F | IDMS\_MN\_ph2 | revised |
| S5-238180 | Rel-18 CR TS 28.312 Update the description of requirements for obtaining intent report information in use cases | China Mobile Com. Corporation | 28.312 | 0185 | 1 | Rel-18 | F | IDMS\_MN\_ph2 | agreed |
| S5-237680 | Rel-18 CR TS 28.312 Update the description about intent handling function | ZTE Corporation | 28.312 | 0186 | - | Rel-18 | F | IDMS\_MN\_ph2 | agreed |
| S5-237681 | Rel-17 CR TS28.312 Clarify the description of object instance | ZTE Corporation | 28.312 | 0187 | - | Rel-17 | F | IDMS\_MN | agreed |
| S5-237683 | Rel-18 CR TS28.312 Clarify the description of object instance | ZTE Corporation | 28.312 | 0188 | - | Rel-18 | A | IDMS\_MN | agreed |
| S5-237704 | Rel-18 CR 28.312 Conflict Resolution enhancements | Samsung R&D Institute India | 28.312 | 0189 | - | Rel-18 | B | IDMS\_MN\_ph2 | not pursued |
| S5-238185 | Rel-18 CR 28.312 Conflict Resolution enhancements | Samsung R&D Institute India | 28.312 | 0189 | 1 | Rel-18 | B | IDMS\_MN\_ph2 | withdrawn |
| S5-237705 | Rel-18 CR TS 28.312 5.3.4.3Adjust the content in clause 5.3.4.3 Resolving Intent-related conflicts | Huawei | 28.312 | 0190 | - | Rel-18 | F | IDMS\_MN\_ph2 | revised |
| S5-238186 | Rel-18 CR TS 28.312 5.3.4.3Adjust the content in clause 5.3.4.3 Resolving Intent-related conflicts | Huawei | 28.312 | 0190 | 1 | Rel-18 | F | IDMS\_MN\_ph2 | agreed |
| S5-237711 | Correct issues for End-to-end Network Resource Expectation | Huawei | 28.312 | 0191 | - | Rel-18 | F | IDMS\_MN\_ph2 | revised |
| S5-238181 | Correct issues for End-to-end Network Resource Expectation | Huawei | 28.312 | 0191 | 1 | Rel-18 | F | IDMS\_MN\_ph2 | agreed |
| S5-237726 | Clarify verbs in attribute definitions | Ericsson | 28.312 | 0192 | - | Rel-17 | F | IDMS\_MN | revised |
| S5-238298 | Clarify verbs in attribute definitions | Ericsson | 28.312 | 0192 | 1 | Rel-17 | F | IDMS\_MN | agreed |
| S5-237727 | Clarify verbs in attribute definitions | Ericsson | 28.312 | 0193 | - | Rel-18 | A | IDMS\_MN | revised |
| S5-238299 | Clarify verbs in attribute definitions | Ericsson | 28.312 | 0193 | 1 | Rel-18 | A | IDMS\_MN | agreed |
| S5-237728 | Correct intent driven MnS description in clause 4.2.2 | Ericsson | 28.312 | 0194 | - | Rel-17 | F | IDMS\_MN | revised |
| S5-238300 | Correct intent driven MnS description in clause 4.2.2 | Ericsson | 28.312 | 0194 | 1 | Rel-17 | F | IDMS\_MN | agreed |
| S5-237729 | Rel-18 CR TS 28.312 Correct intent driven MnS description in clause 4.2.2 | L.M. Ericsson Limited | 28.312 | 0195 | - | Rel-18 | A | IDMS\_MN | revised |
| S5-238301 | Rel-18 CR TS 28.312 Correct intent driven MnS description in clause 4.2.2 | L.M. Ericsson Limited | 28.312 | 0195 | 1 | Rel-18 | A | IDMS\_MN | agreed |
| S5-237730 | Rel-18 CR TS 28.312 Correct Yaml in Annex D | L.M. Ericsson Limited | 28.312 | 0196 | - | Rel-18 | F | IDMS\_MN\_Ph2 | agreed |
| S5-237748 | Rel-18 CR TS 28.312 Add Common Contexts | China Mobile Com. Corporation | 28.312 | 0197 | - | Rel-18 | B | IDMS\_MN\_ph2 | not pursued |
| S5-237819 | Rel-18 CR TS 28.312 Revisions to ValueRange | China Mobile Com. Corporation | 28.312 | 0198 | - | Rel-18 | F | IDMS\_MN\_ph2 | revised |
| S5-238176 | Rel-18 CR TS 28.312 Revisions to ValueRange | China Mobile Com. Corporation | 28.312 | 0198 | 1 | Rel-18 | F | IDMS\_MN\_ph2 | agreed |
| S5-237820 | Rel-18 CR TS 28.312 Update 6.1 and 7.1 to support the operations of unsubscribing intent reporting and querying intent reporting subscriptions | China Mobile Com. Corporation | 28.312 | 0199 | - | Rel-18 | B | IDMS\_MN\_ph2 | revised |
| S5-238227 | Rel-18 CR TS 28.312 Update 6.1 and 7.1 to support the operations of unsubscribing intent reporting and querying intent reporting subscriptions | China Mobile Com. Corporation | 28.312 | 0199 | 1 | Rel-18 | B | IDMS\_MN\_ph2 | agreed |
| S5-237906 | Rel-17 CR 28.312 Correct create an intent procedure | Ericsson Inc. | 28.312 | 0200 | - | Rel-17 | F | IDMS\_MN | revised |
| S5-238302 | Rel-17 CR 28.312 Correct create an intent procedure | Ericsson Inc. | 28.312 | 0200 | 1 | Rel-17 | F | IDMS\_MN | agreed |
| S5-237907 | Rel-18 CR 28.312 Correct create an intent procedure | Ericsson Inc. | 28.312 | 0201 | - | Rel-18 | A | IDMS\_MN | revised |
| S5-238303 | Rel-18 CR 28.312 Correct create an intent procedure | Ericsson Inc. | 28.312 | 0201 | 1 | Rel-18 | A | IDMS\_MN | agreed |
| S5-237510 | Rel-15 CR 28.526 Fix incorrect operations and parameters | Huawei | 28.526 | 0019 | - | Rel-15 | F | TEI15 | not pursued |
| S5-237511 | Rel-16 CR 28.526 Fix incorrect operations and parameters | Huawei | 28.526 | 0020 | - | Rel-16 | A | TEI15 | not pursued |
| S5-237512 | Rel-17 CR 28.526 Fix incorrect operations and parameters | Huawei | 28.526 | 0021 | - | Rel-17 | A | TEI15 | not pursued |
| S5-237513 | Rel-15 CR 28.526 Fix incorrect version of ETSI GS NFV IFA013 | Huawei | 28.526 | 0022 | - | Rel-15 | F | TEI15 | not pursued |
| S5-237514 | Rel-15 CR 28.526 Fix incorrect version of ETSI GS NFV IFA013 | Huawei | 28.526 | 0023 | - | Rel-16 | A | TEI15 | not pursued |
| S5-237515 | Rel-17 CR 28.526 Fix incorrect version of ETSI GS NFV IFA013 | Huawei | 28.526 | 0024 | - | Rel-17 | A | TEI15 | not pursued |
| S5-237516 | Rel-15 CR 28.526 Remove unsupported operations | Huawei | 28.526 | 0025 | - | Rel-15 | F | TEI15 | not pursued |
| S5-237517 | Rel-16 CR 28.526 Remove unsupported operations | Huawei | 28.526 | 0026 | - | Rel-16 | A | TEI15 | not pursued |
| S5-237518 | Rel-17 CR 28.526 Remove unsupported operations | Huawei | 28.526 | 0027 | - | Rel-17 | A | TEI15 | not pursued |
| S5-237658 | Rel-18 CR TS 28.530 Add management capability support for NTN | China Unicom, China Telecom | 28.530 | 0060 | - | Rel-17 | B | OAM\_NTN | withdrawn |
| S5-237659 | Rel-18 CR TS 28.530 Add Annex network management support for NTN architecture | China Unicom | 28.530 | 0061 | - | Rel-17 | B | OAM\_NTN | withdrawn |
| S5-237699 | Rel-18 CR TS 28.530 Add management capability support for NTN | China Unicom, China Telecom | 28.530 | 0062 | - | Rel-18 | B | OAM\_NTN | revised |
| S5-238212 | Rel-18 CR TS 28.530 Add management capability support for NTN | China Unicom, China Telecom | 28.530 | 0062 | 1 | Rel-18 | B | OAM\_NTN | agreed |
| S5-237701 | Rel-18 CR TS 28.530 Add Annex network management support for NTN architecture | China Unicom | 28.530 | 0063 | - | Rel-18 | B | OAM\_NTN | revised |
| S5-238213 | Rel-18 CR TS 28.530 Add Annex network management support for NTN architecture | China Unicom | 28.530 | 0063 | 1 | Rel-18 | B | OAM\_NTN | agreed |
| S5-237349 | Rel-18 CR TS 28.531 Add and update use case for network slice isolation support | Nokia, Nokia Shanghai Bell | 28.531 | 0194 | 4 | Rel-18 | B | NSRULE | merged |
| S5-237675 | Rel-18 CR TS 28.531 Add the introduction for the procedure of NF instance creation | ZTE Corporation | 28.531 | 0225 | 2 | Rel-18 | F | MCVNF | revised |
| S5-238216 | Rel-18 CR TS 28.531 Add the introduction for the procedure of NF instance creation | ZTE Corporation | 28.531 | 0225 | 3 | Rel-18 | F | MCVNF | revised |
| S5-238349 | Rel-18 CR TS 28.531 Add the introduction for the procedure of NF instance creation | ZTE Corporation | 28.531 | 0225 | 4 | Rel-18 | F | MCVNF | agreed |
| S5-237497 | Rel-18 CR TS 28.531 Correct the description of Procedure of Network Slice Instance allocation | ZTE Corporation | 28.531 | 0228 | - | Rel-18 | F | TEI18 | revised |
| S5-238304 | Rel-18 CR TS 28.531 Correct the description of Procedure of Network Slice Instance allocation | ZTE Corporation | 28.531 | 0228 | 1 | Rel-18 | F | eNETSLICE\_PRO | agreed |
| S5-237677 | Rel-18 CR TS 28.531 Update reference for NS lifecycle management procedure | ZTE Corporation | 28.531 | 0229 | - | Rel-18 | F | MCVNF | merged |
| S5-237735 | Rel-18 CR TS 28.531 Update use case and allocate for network slice isolation | L.M. Ericsson Limited, Deutsche Telekom | 28.531 | 0230 | - | Rel-18 | B | NSRULE | revised |
| S5-238148 | Rel-18 CR TS 28.531 Update use case and allocate for network slice isolation | Ericsson, Deutsche Telekom, Nokia, Telefonica, Huawei | 28.531 | 0230 | 1 | Rel-18 | B | NSRULE | agreed |
| S5-237939 | Update references from TS 28.526 to ETSI NFV IFA 013 | Microsoft | 28.531 | 0231 | - | Rel-18 | F | MCVNF | revised |
| S5-238215 | Update references from TS 28.526 to ETSI NFV IFA 013 | Microsoft | 28.531 | 0231 | 1 | Rel-18 | F | MCVNF | agreed |
| S5-237417 | Rel-16 CR 28.532 Clarify MnS capability definitions | Ericsson Inc. | 28.532 | 0275 | 2 | Rel-16 | F | TEI16 | revised |
| S5-238322 | Rel-16 CR 28.532 Clarify MnS capability definitions | Ericsson Inc. | 28.532 | 0275 | 3 | Rel-16 | F | TEI16 | agreed |
| S5-237418 | Rel-17 CR 28.532 Clarify MnS capability definitions | Ericsson Inc. | 28.532 | 0286 | 1 | Rel-17 | A | TEI16 | revised |
| S5-238323 | Rel-17 CR 28.532 Clarify MnS capability definitions | Ericsson Inc. | 28.532 | 0286 | 2 | Rel-17 | A | TEI16 | agreed |
| S5-237419 | Rel-18 CR 28.532 Clarify MnS capability definitions | Ericsson Inc. | 28.532 | 0297 | - | Rel-18 | A | TEI16 | revised |
| S5-238324 | Rel-18 CR 28.532 Clarify MnS capability definitions | Ericsson Inc. | 28.532 | 0297 | 1 | Rel-18 | A | TEI16 | agreed |
| S5-237436 | Rel-17 CR 28.532 Clarify streaming data reporting service definitions | Ericsson Inc. | 28.532 | 0298 | - | Rel-17 | F | TEI17 | agreed |
| S5-237446 | Rel-18 CR TS 28.532 Add resources-RanScNrm as Resource for provisioning MnS | Huawei,China Mobile | 28.532 | 0299 | - | Rel-18 | B | RANSC | agreed |
| S5-237896 | Rel-18 CR 28.532 Clarify streaming data reporting service definitions | Ericsson Inc. | 28.532 | 0300 | - | Rel-18 | A | TEI17 | agreed |
| S5-237904 | Rel-18 CR TS28.532 update the reference for TraceJob in StreamingDataReport MnS | Huawei | 28.532 | 0301 | - | Rel-18 | F | AdNRM\_ph2 | agreed |
| S5-237938 | Rel-18 CR 28.532 Remove-Update FM related parts | Ericsson Hungary Ltd | 28.532 | 0302 | - | Rel-18 | C | eSBMA | not pursued |
| S5-237447 | Rel-18 CR TS 28.533 Overview of the usage of CRUD operations and NRM fragments in SBMA | Huawei, Deutsche Telekom | 28.533 | 0122 | - | Rel-18 | B | eSBMA | revised |
| S5-238141 | Rel-18 CR TS 28.533 Overview of the usage of CRUD operations and NRM fragments in SBMA | Huawei, Deutsche Telekom | 28.533 | 0122 | 1 | Rel-18 | B | eSBMA | agreed |
| S5-237895 | Correction of attribute properties | Ericsson | 28.536 | 0062 | - | Rel-17 | F | TEI17 | withdrawn |
| S5-237960 | Rel-16 CR TS28.536 Fix the properties of attributes | ZTE Corporation | 28.536 | 0063 | - | Rel-16 | F | TEI16 | not pursued |
| S5-237961 | Rel-17 CR TS28.536 Fix the properties of attributes | ZTE Corporation | 28.536 | 0064 | - | Rel-17 | F | TEI17 | agreed |
| S5-237966 | Rel-17 CR 28.536 Correction of attribute properties | Ericsson-LG Co., LTD | 28.536 | 0065 | - | Rel-17 | F | TEI17 | revised |
| S5-238189 | Rel-17 CR 28.536 Correction of attribute properties | Ericsson-LG Co., LTD | 28.536 | 0065 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-237374 | Rel-18 CR 28.538 DraftCR to CR | Samsung R&D Institute UK | 28.538 | 0055 | - | Rel-18 | B | eECM | revised |
| S5-238239 | Rel-18 CR 28.538 DraftCR to CR | Samsung R&D Institute UK | 28.538 | 0055 | 1 | Rel-18 | B | eECM | agreed |
| S5-237348 | Rel-18 CR TS 28.541 Add NRM for network slice isolation | Nokia, Nokia Shanghai Bell, Telefonica | 28.541 | 0858 | 8 | Rel-18 | B | NSRULE | revised |
| S5-238149 | Rel-18 CR TS 28.541 Add NRM for network slice isolation | Nokia, Nokia Shanghai Bell, Telefonica, Ericsson, Deutsche Telekom, Huawei | 28.541 | 0858 | 9 | Rel-18 | B | NSRULE | agreed |
| S5-238163 | TS28.541 Rel18 NRM enhancements for class diagram | Nokia, Nokia Shanghai Bell | 28.541 | 1022 | 1 | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-237462 | Rel-18 CR TS 28.541 Address EP\_F1 issue for MOCN RAN sharing scenario | Huawei,China Unicom | 28.541 | 1031 | 2 | Rel-18 | B | MANS\_ph2 | revised |
| S5-238233 | Rel-18 CR TS 28.541 Address EP\_F1 issue for MOCN RAN sharing scenario | Huawei,China Unicom | 28.541 | 1031 | 3 | Rel-18 | B | MANS\_ph2 | not pursued |
| S5-237351 | Rel-18 CR TS 28.541 Fix inconsistencies related to network slice SLA attribute jitter | Nokia, Nokia Shanghai Bell, KDDI, TELUS | 28.541 | 1032 | 1 | Rel-18 | B | AdNRM\_ph2 | not pursued |
| S5-237352 | Rel-18 CR TS 28.541 Add support for GSMA attribute for slice QoS | Nokia, Nokia Shanghai Bell | 28.541 | 1037 | 1 | Rel-18 | B | AdNRM\_ph2 | revised |
| S5-238244 | Rel-18 CR TS 28.541 Add support for GSMA attribute for slice QoS | Nokia, Nokia Shanghai Bell | 28.541 | 1037 | 2 | Rel-18 | B | AdNRM\_ph2 | not pursued |
| S5-237353 | Rel-18 CR TS 28.541 Add support for GSMA attributes related to data networks | Nokia, Nokia Shanghai Bell, Samsung | 28.541 | 1038 | 1 | Rel-18 | B | AdNRM\_ph2 | revised |
| S5-238313 | Rel-18 CR TS 28.541 Add support for GSMA attributes related to data networks | Nokia, Nokia Shanghai Bell, Samsung | 28.541 | 1038 | 2 | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-237347 | Correction of yang code for sliceprofile | Ericsson India Private Limited | 28.541 | 1057 | - | Rel-17 | F | TEI17 | revised |
| S5-238326 | Correction of yang code for sliceprofile | Ericsson India Private Limited | 28.541 | 1057 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-237360 | TS28.541 Rel18 NRM enhancements for NRFFunction phase 4 | Nokia, Nokia Shanghai Bell | 28.541 | 1058 | - | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-237361 | TS28.541 Rel18 NRM enhancements for MNPFFunction | Nokia, Nokia Shanghai Bell | 28.541 | 1059 | - | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-237362 | TS28.541 Rel18 NRM enhancements for class diagram | Nokia, Nokia Shanghai Bell | 28.541 | 1060 | - | Rel-18 | B | AdNRM\_ph2 | not pursued |
| S5-237363 | TS28.541 Rel18 correction to NSSF interface between NWDAF and NSSF | Nokia, Nokia Shanghai Bell | 28.541 | 1061 | - | Rel-18 | A | TEI16 | agreed |
| S5-237364 | TS28.541 Rel17 correction to NSSF interface between NWDAF and NSSF | Nokia, Nokia Shanghai Bell | 28.541 | 1062 | - | Rel-17 | A | TEI16 | agreed |
| S5-237365 | TS28.541 Rel16 correction to NSSF interface between NWDAF and NSSF | Nokia, Nokia Shanghai Bell | 28.541 | 1063 | - | Rel-16 | F | TEI16 | agreed |
| S5-237366 | TS28.541 Rel16 correction to DRACHOptimizationFunction stage 3 issue | Nokia, Nokia Shanghai Bell | 28.541 | 1064 | - | Rel-16 | F | TEI16 | agreed |
| S5-237367 | TS28.541 Rel17 correction to DRACHOptimizationFunction stage 3 issue | Nokia, Nokia Shanghai Bell | 28.541 | 1065 | - | Rel-17 | A | TEI16 | agreed |
| S5-237368 | TS28.541 Rel18 correction to DRACHOptimizationFunction stage 3 issue | Nokia, Nokia Shanghai Bell | 28.541 | 1066 | - | Rel-18 | A | TEI16 | agreed |
| S5-237369 | TS28.541 Rel16 correction to 5GC resourceType allowed values | Nokia, Nokia Shanghai Bell | 28.541 | 1067 | - | Rel-16 | F | TEI16 | agreed |
| S5-237370 | TS28.541 Rel17 correction to 5GC resourceType allowed values | Nokia, Nokia Shanghai Bell | 28.541 | 1068 | - | Rel-17 | A | TEI16 | agreed |
| S5-237371 | TS28.541 Rel18 correction to 5GC resourceType allowed values | Nokia, Nokia Shanghai Bell | 28.541 | 1069 | - | Rel-18 | A | TEI16 | agreed |
| S5-237377 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in DelayTolerance | Nokia, Nokia Shanghai Bell | 28.541 | 1070 | - | Rel-17 | F | TEI17 | agreed |
| S5-237378 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in DeterministicComm | Nokia, Nokia Shanghai Bell | 28.541 | 1071 | - | Rel-17 | F | TEI17 | agreed |
| S5-237379 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in XLThpt | Nokia, Nokia Shanghai Bell | 28.541 | 1072 | - | Rel-17 | F | TEI17 | agreed |
| S5-237380 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in MaxPktSize | Nokia, Nokia Shanghai Bell | 28.541 | 1073 | - | Rel-17 | F | TEI17 | agreed |
| S5-237381 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in MaxNumberofPDUSessions | Nokia, Nokia Shanghai Bell | 28.541 | 1074 | - | Rel-17 | F | TEI17 | agreed |
| S5-237382 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in KPIMonitoring | Nokia, Nokia Shanghai Bell | 28.541 | 1075 | - | Rel-17 | F | TEI17 | agreed |
| S5-237383 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in TermDensity | Nokia, Nokia Shanghai Bell | 28.541 | 1076 | - | Rel-17 | F | TEI17 | agreed |
| S5-237384 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in Positioning | Nokia, Nokia Shanghai Bell | 28.541 | 1077 | - | Rel-17 | F | TEI17 | agreed |
| S5-237385 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in Synchronicity | Nokia, Nokia Shanghai Bell | 28.541 | 1078 | - | Rel-17 | F | TEI17 | agreed |
| S5-237386 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in EnergyEfficiency | Nokia, Nokia Shanghai Bell | 28.541 | 1079 | - | Rel-17 | F | TEI17 | agreed |
| S5-237387 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in NSSAASupport | Nokia, Nokia Shanghai Bell | 28.541 | 1080 | - | Rel-17 | F | TEI17 | agreed |
| S5-237388 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in MaxNumberofUEs | Nokia, Nokia Shanghai Bell | 28.541 | 1081 | - | Rel-17 | F | TEI17 | withdrawn |
| S5-237389 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in RadioSpectrum | Nokia, Nokia Shanghai Bell | 28.541 | 1082 | - | Rel-17 | F | TEI17 | agreed |
| S5-237390 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in UserMgmtOpen | Nokia, Nokia Shanghai Bell | 28.541 | 1083 | - | Rel-17 | F | TEI17 | agreed |
| S5-237391 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in V2XCommMode | Nokia, Nokia Shanghai Bell | 28.541 | 1084 | - | Rel-17 | F | TEI17 | agreed |
| S5-237392 | Rel-17 CR TS 28.541 Corrections to servAttrCom attribute in NBIoT | Nokia, Nokia Shanghai Bell | 28.541 | 1085 | - | Rel-17 | F | TEI17 | agreed |
| S5-237393 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in DelayTolerance | Nokia, Nokia Shanghai Bell | 28.541 | 1086 | - | Rel-18 | A | TEI17 | agreed |
| S5-237394 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in DeterministicComm | Nokia, Nokia Shanghai Bell | 28.541 | 1087 | - | Rel-18 | A | TEI17 | agreed |
| S5-237395 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in XLThpt | Nokia, Nokia Shanghai Bell | 28.541 | 1088 | - | Rel-18 | A | TEI17 | agreed |
| S5-237396 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in MaxPktSize | Nokia, Nokia Shanghai Bell | 28.541 | 1089 | - | Rel-18 | A | TEI17 | agreed |
| S5-237397 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in MaxNumberofPDUSessions | Nokia, Nokia Shanghai Bell | 28.541 | 1090 | - | Rel-18 | A | TEI17 | agreed |
| S5-237398 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in KPIMonitoring | Nokia, Nokia Shanghai Bell | 28.541 | 1091 | - | Rel-18 | A | TEI17 | agreed |
| S5-237399 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in TermDensity | Nokia, Nokia Shanghai Bell | 28.541 | 1092 | - | Rel-18 | A | TEI17 | agreed |
| S5-237400 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in Positioning | Nokia, Nokia Shanghai Bell | 28.541 | 1093 | - | Rel-18 | A | TEI17 | agreed |
| S5-237401 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in Synchronicity | Nokia, Nokia Shanghai Bell | 28.541 | 1094 | - | Rel-18 | A | TEI17 | agreed |
| S5-237402 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in EnergyEfficiency | Nokia, Nokia Shanghai Bell | 28.541 | 1095 | - | Rel-18 | A | TEI17 | agreed |
| S5-237403 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in NSSAASupport | Nokia, Nokia Shanghai Bell | 28.541 | 1096 | - | Rel-18 | A | TEI17 | agreed |
| S5-237404 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in MaxNumberofUEs | Nokia, Nokia Shanghai Bell | 28.541 | 1097 | - | Rel-18 | F | TEI18 | agreed |
| S5-237405 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in RadioSpectrum | Nokia, Nokia Shanghai Bell | 28.541 | 1098 | - | Rel-18 | A | TEI17 | agreed |
| S5-237406 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in UserMgmtOpen | Nokia, Nokia Shanghai Bell | 28.541 | 1099 | - | Rel-18 | A | TEI17 | agreed |
| S5-237407 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in V2XCommMode | Nokia, Nokia Shanghai Bell | 28.541 | 1100 | - | Rel-18 | A | TEI17 | agreed |
| S5-237408 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in NBIoT | Nokia, Nokia Shanghai Bell | 28.541 | 1101 | - | Rel-18 | A | TEI17 | agreed |
| S5-237409 | Rel-18 CR TS 28.541 Corrections to servAttrCom attribute in NonIPSupport | Nokia, Nokia Shanghai Bell | 28.541 | 1102 | - | Rel-18 | F | TEI18 | agreed |
| S5-237426 | Rel-18 Correct dnai and dnaiList attribute definitions | Ericsson Inc. | 28.541 | 1103 | - | Rel-18 | F | AdNRM\_ph2 | revised |
| S5-238305 | Rel-18 Correct dnai and dnaiList attribute definitions | Ericsson Inc. | 28.541 | 1103 | 1 | Rel-18 | A | adNRM | agreed |
| S5-237443 | Rel-17 CR TS 28.541 Correct the issues for NrNrm YAML file | Huawei | 28.541 | 1104 | - | Rel-17 | F | adNRM | agreed |
| S5-237444 | Rel-18 CR TS 28.541 Correct the issues for NrNrm YAML file | Huawei | 28.541 | 1105 | - | Rel-18 | A | adNRM | agreed |
| S5-237546 | Add NRM for AnLF | Intel | 28.541 | 1106 | - | Rel-18 | B | AIML\_MGT | revised |
| S5-238340 | Add NRM for AnLF | Intel | 28.541 | 1106 | 1 | Rel-18 | B | AIML\_MGT | agreed |
| S5-237598 | Clarification on the usage of sNssaiInfoList in multiple places | Huawei | 28.541 | 1107 | - | Rel-18 | F | AdNRM\_ph2 | agreed |
| S5-237599 | Update description of ExtSnssai | Huawei | 28.541 | 1108 | - | Rel-18 | F | AdNRM\_ph2 | agreed |
| S5-237610 | Rel-18 CR 28.541 Add energy saving attributes to IOC UPFFunction | Huawei | 28.541 | 1109 | - | Rel-18 | B | EE5GPLUS\_Ph2 | revised |
| S5-238288 | Rel-18 CR 28.541 Add energy saving attributes to IOC UPFFunction | Huawei | 28.541 | 1109 | 1 | Rel-18 | B | EE5GPLUS\_Ph2 | agreed |
| S5-237644 | Update definitions of Ephemeris | CATT | 28.541 | 1110 | - | Rel-18 | B | OAM\_NTN | revised |
| S5-238214 | Update definitions of Ephemeris | CATT | 28.541 | 1110 | 1 | Rel-18 | B | OAM\_NTN | agreed |
| S5-237684 | Rel 18 CR TS 28.541 Stage 3 Add FL related attributes in NWDAFFunction | Nokia, Nokia Shanghai Bell | 28.541 | 1111 | - | Rel-18 | B | MANWDAF | agreed |
| S5-237685 | Rel-18 CR TS 28.541 Add FL related attributes in NWDAFFunction | Nokia, Nokia Shanghai Bell | 28.541 | 1112 | - | Rel-18 | B | MANWDAF | agreed |
| S5-237703 | Rel-18 CR 28.541 Radio Specturm in SliceSubnet | Samsung R&D Institute India | 28.541 | 1113 | - | Rel-18 | B | AdNRM\_ph2 | not pursued |
| S5-237708 | Rel-18 CR 28.541 Modify the attributes of UL and DL latency in RAN | China Unicom | 28.541 | 1114 | - | Rel-18 | B | URLLC\_Mgt | revised |
| S5-238225 | Rel-18 CR 28.541 Modify the attributes of UL and DL latency in RAN | China Unicom | 28.541 | 1114 | 1 | Rel-18 | B | URLLC\_Mgt | agreed |
| S5-237731 | Rel-16 CR TS 28.541 Enhance description of jitter in attribute table | L.M. Ericsson Limited, Deutsche Telekom | 28.541 | 1115 | - | Rel-16 | F | MA5SLA | not pursued |
| S5-237732 | Rel-17 CR TS 28.541 Enhance description of jitter in attribute table | L.M. Ericsson Limited, Deutsche Telekom | 28.541 | 1116 | - | Rel-17 | A | MA5SLA | not pursued |
| S5-237733 | Rel-18 CR TS 28.541 Enhance description of jitter in attribute table | L.M. Ericsson Limited, Deutsche Telekom | 28.541 | 1117 | - | Rel-18 | A | MA5SLA | not pursued |
| S5-237734 | Rel-18 CR TS 28.541 Enhance network slice model description | L.M. Ericsson Limited, Deutsche Telekom | 28.541 | 1118 | - | Rel-18 | F | eNETSLICE\_PRO | not pursued |
| S5-237736 | Rel-18 CR TS 28.541 Network slicing rules solution description | Ericsson, Deutsche Telekom | 28.541 | 1119 | - | Rel-18 | B | NSRULE | merged |
| S5-237811 | Rel-18 CR TS 28.541 Correction of attributes defined in NWDAFFunction | Nokia, Nokia Shanghai Bell | 28.541 | 1120 | - | Rel-18 | F | MANWDAF | agreed |
| S5-237813 | Rel-18 CR 28.541 Add satellite backhaul information for QoS monitoring per QoS flow per UE | China Telecom Corporation Ltd. | 28.541 | 1121 | - | Rel-18 | B | DUMMY | revised |
| S5-238104 | Rel-18 CR 28.541 Add satellite backhaul information for QoS monitoring per QoS flow per UE | China Telecom Corporation Ltd. | 28.541 | 1121 | 1 | Rel-18 | B | DUMMY | revised |
| S5-238246 | Rel-18 CR 28.541 Add satellite backhaul information for QoS monitoring per QoS flow per UE | China Telecom Corporation Ltd. | 28.541 | 1121 | 2 | Rel-18 | B | DUMMY | agreed |
| S5-237814 | Rel-18 CR 28.541 Add satellite backhaul information to support 5G system with satellite backhaul architecture | China Telecom Corporation Ltd. | 28.541 | 1122 | - | Rel-18 | B | DUMMY | revised |
| S5-238105 | Rel-18 CR 28.541 Add satellite backhaul information to support 5G system with satellite backhaul architecture | China Telecom Corporation Ltd. | 28.541 | 1122 | 1 | Rel-18 | B | DUMMY | revised |
| S5-238247 | Rel-18 CR 28.541 Add satellite backhaul information to support 5G system with satellite backhaul architecture | China Telecom Corporation Ltd. | 28.541 | 1122 | 2 | Rel-18 | B | DUMMY | not pursued |
| S5-237902 | Correction of attribute properties | Ericsson | 28.541 | 1123 | - | Rel-15 | F | TEI15 | withdrawn |
| S5-237905 | Correction of attribute properties | Ericsson | 28.541 | 1124 | - | Rel-16 | A | TEI15 | withdrawn |
| S5-237908 | Correction of attribute properties | Ericsson | 28.541 | 1125 | - | Rel-17 | A | TEI15 | withdrawn |
| S5-237910 | Correction of attribute properties | Ericsson | 28.541 | 1126 | - | Rel-18 | A | TEI15 | withdrawn |
| S5-237915 | Rel-18 CR 28.541 Correct redundant attribute definitions | Ericsson Inc. | 28.541 | 1127 | - | Rel-18 | F | AdNRM\_ph2 | revised |
| S5-238321 | Rel-18 CR 28.541 Correct redundant attribute definitions | Ericsson Inc. | 28.541 | 1127 | 1 | Rel-18 | F | AdNRM\_ph2 | agreed |
| S5-237946 | Rel-18 CR TS 28.541 Add slice validity info to ServiceProfile | Samsung Electronics Iberia SA | 28.541 | 1128 | - | Rel-18 | B | AdNRM\_ph2 | not pursued |
| S5-238245 | Rel-18 CR TS 28.541 Add slice validity info to ServiceProfile | Samsung Electronics Iberia SA | 28.541 | 1128 | 1 | Rel-18 | B | AdNRM\_ph2 | withdrawn |
| S5-237952 | Rel-18 Ts 28.541 Correction of yang code for sliceprofile | Ericsson India Private Limited | 28.541 | 1129 | - | Rel-18 | A | TEI17 | agreed |
| S5-237958 | Rel-17 CR 28.623 YANG Correction of attribute type TaiGrp | Ericsson India Private Limited | 28.541 | 1130 | - | Rel-18 | F | TEI17 | revised |
| S5-238325 | Rel-17 CR 28.541 YANG Correction of attribute type TaiGrp | Ericsson India Private Limited | 28.541 | 1130 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-237963 | Rel-17 CR 28.541 YANG Corrections (SA5#152) | Ericsson Hungary Ltd | 28.541 | 1131 | - | Rel-17 | F | TEI17 | agreed |
| S5-237969 | Rel-15 CR 28.541 Correction of attribute properties | Ericsson-LG Co., LTD | 28.541 | 1132 | - | Rel-15 | F | TEI15 | revised |
| S5-238190 | Rel-15 CR 28.541 Correction of attribute properties | Ericsson-LG Co., LTD | 28.541 | 1132 | 1 | Rel-15 | F | TEI15 | agreed |
| S5-237970 | Rel-16 CR 28.541 Correction of attribute properties | Ericsson-LG Co., LTD | 28.541 | 1133 | - | Rel-16 | A | TEI15 | revised |
| S5-238191 | Rel-16 CR 28.541 Correction of attribute properties | Ericsson-LG Co., LTD | 28.541 | 1133 | 1 | Rel-16 | A | TEI15 | agreed |
| S5-237971 | Correction of attribute properties | Ericsson | 28.541 | 1134 | - | Rel-17 | A | TEI15 | revised |
| S5-238192 | Correction of attribute properties | Ericsson | 28.541 | 1134 | 1 | Rel-17 | A | TEI15 | agreed |
| S5-237972 | Rel-18 CR 28.541 Correction of attribute properties | Ericsson | 28.541 | 1135 | - | Rel-18 | A | TEI15 | revised |
| S5-238193 | Rel-18 CR 28.541 Correction of attribute properties | Ericsson | 28.541 | 1135 | 1 | Rel-18 | A | TEI15 | agreed |
| S5-238137 | Rel18 28.541 YANG Corrections | Ericsson | 28.541 | 1136 | - | Rel-18 | F | TEI18 | agreed |
| S5-238306 | Rel-17 Correct dnai and dnaiList attribute definitions | Ericsson Inc. | 28.541 | 1137 | - | Rel-17 | F | adNRM | agreed |
| S5-237624 | Rel-18 CR TS 28.550 Include signalling in PM Streaming schema | Nokia, Nokia Shanghai Bell | 28.550 | 0084 | - | Rel-18 | B | PM\_KPI\_5G\_Ph3 | revised |
| S5-238160 | Rel-18 CR TS 28.550 Include signalling in PM Streaming schema | Nokia, Nokia Shanghai Bell | 28.550 | 0084 | 1 | Rel-18 | B | PM\_KPI\_5G\_Ph3 | agreed |
| S5-237595 | remove duplicated clause for ECS measurement | Huawei | 28.552 | 0491 | - | Rel-17 | F | ECM | agreed |
| S5-237596 | Remove duplicated clause for ECS meansurement | Huawei | 28.552 | 0492 | - | Rel-18 | A | ECM | agreed |
| S5-237601 | Update connection data volumes meansurement | Huawei | 28.552 | 0493 | - | Rel-18 | B | eMDAS\_Ph2 | agreed |
| S5-237603 | Fix error related to number of PDU session creation measurement | Huawei | 28.552 | 0494 | - | Rel-16 | F | TEI16 | agreed |
| S5-237604 | Fix error related to number of PDU session creation measurement | Huawei | 28.552 | 0495 | - | Rel-17 | A | TEI16 | agreed |
| S5-237605 | Fix error related to number of PDU session creation measurement | Huawei | 28.552 | 0496 | - | Rel-18 | A | TEI16 | agreed |
| S5-237617 | Rel-18 CR TS 28.552 Add PLMN granularity for PDU sessions related measurements for NG-RAN MOCN network sharing scenario | China Unicom | 28.552 | 0497 | - | Rel-18 | B | MANS\_ph2 | agreed |
| S5-237618 | Rel-18 CR TS 28.552 Add PLMN granularity for peak PRB used for data traffic measurements for NG-RAN MOCN network sharing scenario | China Unicom | 28.552 | 0498 | - | Rel-18 | B | MANS\_ph2 | agreed |
| S5-237672 | Rel-18 CR TS 28.552 Add new measurement on Average DL GTP packet delay | P.I. WORKS | 28.552 | 0499 | - | Rel-18 | B | PM\_KPI\_5G\_Ph3 | revised |
| S5-238158 | Rel-18 CR TS 28.552 Add new measurement on Average DL GTP packet delay | P.I. WORKS | 28.552 | 0499 | 1 | Rel-18 | B | PM\_KPI\_5G\_Ph3 | agreed |
| S5-237673 | Rel-18 CR TS 28.552 Add new measurement on distribution of DL GTP packet delay | P.I. WORKS | 28.552 | 0500 | - | Rel-18 | B | PM\_KPI\_5G\_Ph3 | revised |
| S5-238159 | Rel-18 CR TS 28.552 Add new measurement on distribution of DL GTP packet delay | P.I. WORKS | 28.552 | 0500 | 1 | Rel-18 | B | PM\_KPI\_5G\_Ph3 | agreed |
| S5-237686 | Rel-18 CR TS 28.552 Add new measurement for average value of Timing Advance per SS-RSRP and AOA ranges | China Unicom | 28.552 | 0501 | - | Rel-18 | B | PM\_KPI\_5G\_Ph3 | revised |
| S5-238157 | Rel-18 CR TS 28.552 Add new measurement for average value of Timing Advance per SS-RSRP and AOA ranges | China Unicom | 28.552 | 0501 | 1 | Rel-18 | B | PM\_KPI\_5G\_Ph3 | agreed |
| S5-237712 | Editorial modification for the use case of performance measurements for NWDAF | China Telecom | 28.552 | 0502 | - | Rel-18 | F | MANWDAF | agreed |
| S5-237713 | Editorial modification for the performance measurements of NWDAF | China Telecom | 28.552 | 0503 | - | Rel-18 | D | MANWDAF | agreed |
| S5-237809 | Rel-18 CR 28.552 Add measurements related to NWDAF analytics service failure | Nokia, Nokia Shanghai Bell | 28.552 | 0504 | - | Rel-18 | B | MANWDAF | revised |
| S5-238210 | Rel-18 CR 28.552 Add measurements related to NWDAF analytics service failure | Nokia, Nokia Shanghai Bell | 28.552 | 0504 | 1 | Rel-18 | B | MANWDAF | agreed |
| S5-237816 | Rel-18 CR 28.552 Add measurement related to time consumption of NWDAF providing ML model training service information | Nokia, Nokia Shanghai Bell | 28.552 | 0505 | - | Rel-18 | B | MANWDAF | revised |
| S5-238289 | Rel-18 CR 28.552 Add measurement related to time consumption of NWDAF providing ML model training service information | Nokia, Nokia Shanghai Bell | 28.552 | 0505 | 1 | Rel-18 | B | MANWDAF | not pursued |
| S5-237817 | Rel-18 CR 28.552 Add measurements related to NWDAF ML model training service failure | Nokia, Nokia Shanghai Bell | 28.552 | 0506 | - | Rel-18 | B | MANWDAF | revised |
| S5-238211 | Rel-18 CR 28.552 Add measurements related to NWDAF ML model training service failure | Nokia, Nokia Shanghai Bell | 28.552 | 0506 | 1 | Rel-18 | B | MANWDAF | revised |
| S5-238348 | Rel-18 CR 28.552 Add measurements related to NWDAF ML model training service failure | Nokia, Nokia Shanghai Bell | 28.552 | 0506 | 2 | Rel-18 | B | MANWDAF | agreed |
| S5-237706 | Rel-18 CR 28.554 Add new KPI on DL reliability with delay threshold in RAN | China Unicom | 28.554 | 0154 | - | Rel-18 | B | URLLC\_Mgt | withdrawn |
| S5-237716 | Rel-18 Add KPI on Energy Efficiency of URLLC Network Slice based on reliability | China Unicom, Ericsson | 28.554 | 0155 | - | Rel-18 | B | EE5GPLUS\_Ph2 | withdrawn |
| S5-237752 | Rel-16 CR TS 28.554 Correction Utilization KPI definition of PDU session establishment time of network slice | China Mobile, Ericsson | 28.554 | 0156 | - | Rel-16 | F | 5G\_SLICE\_ePA | agreed |
| S5-237754 | Rel-17 CR TS 28.554 Correction Utilization KPI definition of PDU session establishment time of network slice | China Mobile, Ericsson | 28.554 | 0157 | - | Rel-17 | A | 5G\_SLICE\_ePA | agreed |
| S5-237755 | Rel-17 CR TS 28.554 Correction Utilization KPI definition of PDU session establishment time of network slice | China Mobile E-Commerce Co., Ericsson | 28.554 | 0158 | - | Rel-17 | A | 5G\_SLICE\_ePA-KPI | withdrawn |
| S5-237804 | Rel-18 CR TS 28.554 Correction Utilization KPI definition of PDU session establishment time of network slice | China Mobile, Ericsson | 28.554 | 0159 | - | Rel-18 | A | 5G\_SLICE\_ePA | agreed |
| S5-237930 | Rel-18 Add KPI on Energy Efficiency of URLLC Network Slice based on reliability | China Unicom, Ericsson | 28.554 | 0160 | - | Rel-18 | B | EE5GPLUS\_Ph2 | not pursued |
| S5-237931 | Rel-18 CR 28.554 Add new KPI on DL reliability with delay threshold in RAN | China Unicom | 28.554 | 0161 | - | Rel-18 | B | URLLC\_Mgt | not pursued |
| S5-237947 | Rel-18 CR TS 28.554 KPI for EE of URLLC NS based on its reliability | Samsung Electronics Iberia SA | 28.554 | 0162 | - | Rel-18 | B | EE5GPLUS\_Ph2 | not pursued |
| S5-237897 | Correction of attribute properties | Ericsson | 28.556 | 0001 | - | Rel-17 | F | TEI17 | withdrawn |
| S5-237965 | Rel-17 CR 28.556 Correction of attribute properties | Ericsson-LG Co., LTD | 28.556 | 0002 | - | Rel-17 | F | TEI17 | revised |
| S5-238333 | Rel-17 CR 28.556 Correction of attribute properties | Ericsson-LG Co., LTD | 28.556 | 0002 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-237613 | Rel-18 CR TS 28.557 Add use case and requirements for dedicated resource demand for NPN service customers | Huawei | 28.557 | 0008 | - | Rel-18 | B | OAM\_NPN\_Ph2 | revised |
| S5-238248 | Rel-18 CR TS 28.557 Add use case and requirements for dedicated resource demand for NPN service customers | Huawei | 28.557 | 0008 | 1 | Rel-18 | B | OAM\_NPN\_Ph2 | not pursued |
| S5-237614 | Rel-18 CR TS 28.557 Add use case for E2E latency monitoring in NPN | Huawei | 28.557 | 0009 | - | Rel-18 | B | OAM\_NPN\_Ph2 | not pursued |
| S5-237615 | Rel-18 CR TS 28.557 Correction on procedure figure for NPN provisioning by a network slice of a PLMN | Huawei | 28.557 | 0010 | - | Rel-18 | D | OAM\_NPN\_Ph2 | agreed |
| S5-237354 | Rel-18 CR TS 28.622 Add capability for advertising NRM properties Stage 2 | Nokia, Nokia Shanghai Bell | 28.622 | 0269 | 1 | Rel-18 | B | eSBMA | revised |
| S5-238146 | Rel-18 CR TS 28.622 Add capability for advertising NRM properties Stage 2 | Nokia, Nokia Shanghai Bell | 28.622 | 0269 | 2 | Rel-18 | B | eSBMA | not pursued |
| S5-237420 | Rel-16 CR 28.622 Clarify HeartbeatControl IOC definition | Ericsson Inc. | 28.622 | 0294 | 1 | Rel-16 | F | TEI16 | not pursued |
| S5-237421 | Rel-17 CR 28.622 Clarify HeartbeatControl IOC definition | Ericsson Inc. | 28.622 | 0295 | 1 | Rel-17 | A | TEI16 | not pursued |
| S5-237422 | Rel-18 CR 28.622 Clarify HeartbeatControl IOC definition | Ericsson Inc. | 28.622 | 0296 | 1 | Rel-18 | A | TEI16 | not pursued |
| S5-237411 | Rel-16 Correct IOC instance creation and deletion | Ericsson Inc. | 28.622 | 0306 | - | Rel-16 | F | TEI16 | not pursued |
| S5-237415 | Rel-18 Correct IOC instance creation and deletion | Ericsson Inc. | 28.622 | 0307 | - | Rel-18 | A | TEI16 | not pursued |
| S5-237463 | Rel-18 CR TS 28.622 Enhance the ManagementDataCollection to support request management data per PLMN | Huawei,Ericsson,China Unicom | 28.622 | 0308 | - | Rel-18 | B | MANS\_ph2 | revised |
| S5-238234 | Rel-18 CR TS 28.622 Enhance the ManagementDataCollection to support request management data per PLMN | Huawei,Ericsson,China Unicom | 28.622 | 0308 | 1 | Rel-18 | B | MANS\_ph2 | agreed |
| S5-237507 | Rel-18 CR TS28.622 Adding NPN Area Scope of MDT | Ericsson LM | 28.622 | 0309 | - | Rel-18 | B | 5GMDT\_Ph2 | revised |
| S5-238151 | Rel-18 CR TS28.622 Adding NPN Area Scope of MDT | Ericsson LM,Nokia | 28.622 | 0309 | 1 | Rel-18 | B | 5GMDT\_Ph2 | agreed |
| S5-237620 | Rel-17 CR TS 28.622 Correcting the definition of mgtDataName attribute | Nokia, Nokia Shanghai Bell, Ericsson | 28.622 | 0310 | - | Rel-17 | F | MADCOL | merged |
| S5-237621 | Rel-18 CR TS 28.622 Correcting the definition of mgtDataName attribute | Nokia, Nokia Shanghai Bell, Ericsson | 28.622 | 0311 | - | Rel-18 | A | MADCOL | merged |
| S5-237626 | Rel-18 CR TS 28.622 MDT support for NPN | Nokia, Nokia Shangai Bell | 28.622 | 0312 | - | Rel-18 | B | 5GMDT\_Ph2 | merged |
| S5-237630 | Rel-18 CR TS 28.622 Addressing tracing gaps in signalling based trace activation | Nokia, Nokia Shanghai Bell | 28.622 | 0313 | - | Rel-18 | B | 5GMDT\_Ph2 | not pursued |
| S5-238155 | Rel-18 CR TS 28.622 Addressing tracing gaps in signalling based trace activation | Nokia, Nokia Shanghai Bell | 28.622 | 0313 | 1 | Rel-18 | B | 5GMDT\_Ph2 | withdrawn |
| S5-237696 | Rel-18 CR TS 28.622 add inidcations to support MDT measurements collection in NR-DC | Huawei | 28.622 | 0314 | - | Rel-18 | B | 5GMDT\_Ph2 | not pursued |
| S5-237796 | Rel-17 CR 28.622 h70 NodeFilter | Nokia | 28.622 | 0315 | - | Rel-17 | F | TEI17 | not pursued |
| S5-238328 | Rel-17 CR 28.622 h70 NodeFilter | Nokia | 28.622 | 0315 | 1 | Rel-17 | F | TEI17 | withdrawn |
| S5-237797 | Rel-18 CR 28.622 i40 NodeFilter | Nokia | 28.622 | 0316 | - | Rel-18 | A | TEI17 | not pursued |
| S5-238329 | Rel-18 CR 28.622 i40 NodeFilter | Nokia | 28.622 | 0316 | 1 | Rel-18 | A | TEI17 | withdrawn |
| S5-237898 | Rel-17 CR 28.622 Add measurement bin support to NRM | Ericsson Inc. | 28.622 | 0317 | - | Rel-17 | F | ePM\_KPI\_5G | revised |
| S5-238314 | Rel-17 CR 28.622 Add measurement bin support to NRM | Ericsson Inc.,Nokia | 28.622 | 0317 | 1 | Rel-17 | F | ePM\_KPI\_5G | agreed |
| S5-237899 | Rel-18 CR 28.622 Add measurement bin support to NRM | Ericsson Inc.,Nokia | 28.622 | 0318 | - | Rel-18 | A | ePM\_KPI\_5G | revised |
| S5-238315 | Rel-18 CR 28.622 Add measurement bin support to NRM | Ericsson Inc.,Nokia | 28.622 | 0318 | 1 | Rel-18 | A | ePM\_KPI\_5G | agreed |
| S5-237940 | Rel-18 CR 28.622 Remove-Update FM related parts | Ericsson Hungary Ltd. | 28.622 | 0319 | - | Rel-18 | C | eSBMA | not pursued |
| S5-237355 | Rel-18 CR TS 28.623 Add capability for advertising NRM properties Stage 3 | Nokia, Nokia Shanghai Bell | 28.623 | 0254 | 1 | Rel-18 | B | eSBMA | revised |
| S5-238147 | Rel-18 CR TS 28.623 Add capability for advertising NRM properties Stage 3 | Nokia, Nokia Shanghai Bell | 28.623 | 0254 | 2 | Rel-18 | B | eSBMA | not pursued |
| S5-237424 | Rel-17 CR 28.623 Clarify HeartBeatControl IOC definition (stage3, yang) | Ericsson Inc. | 28.623 | 0279 | 1 | Rel-17 | A | TEI16 | not pursued |
| S5-237423 | Rel-16 CR 28.623 Clarify HeartbeatControl IOC definition (stage3, yang) | Ericsson Inc. | 28.623 | 0280 | 1 | Rel-16 | F | TEI16 | not pursued |
| S5-237425 | Rel-18 CR 28.623 Clarify HeartbeatControl IOC definition (stage3, yang) | Ericsson Inc. | 28.623 | 0281 | 1 | Rel-18 | A | TEI16 | not pursued |
| S5-237412 | Rel-16 Correct IOC instance creation and deletion (stage3, yang) | Ericsson Inc. | 28.623 | 0282 | - | Rel-16 | F | TEI16 | not pursued |
| S5-237413 | Rel-17 Correct IOC instance creation and deletion | Ericsson Inc. | 28.623 | 0283 | - | Rel-17 | A | TEI16 | not pursued |
| S5-237414 | Rel-17 Correct IOC instance creation and deletion (stage3, yang) | Ericsson Inc. | 28.623 | 0284 | - | Rel-17 | A | TEI16 | not pursued |
| S5-237416 | Rel-18 Correct IOC instance creation and deletion (stage3, yang) | Ericsson Inc. | 28.623 | 0285 | - | Rel-18 | A | TEI16 | not pursued |
| S5-237441 | Rel-17 CR TS28.623 Correct the yaml definition for ThresholdMonitor IOC to align with stage2 definition | Huawei | 28.623 | 0286 | - | Rel-17 | F | adNRM | revised |
| S5-238310 | Rel-17 CR TS28.623 Correct the yaml definition for ThresholdMonitor IOC to align with stage2 definition | Huawei | 28.623 | 0286 | 1 | Rel-17 | F | adNRM | agreed |
| S5-237442 | Rel-18 CR TS28.623 Correct the yaml definition for ThresholdMonitor IOC to align with stage2 definition | Huawei | 28.623 | 0287 | - | Rel-18 | A | adNRM | revised |
| S5-238311 | Rel-18 CR TS28.623 Correct the yaml definition for ThresholdMonitor IOC to align with stage2 definition | Huawei | 28.623 | 0287 | 1 | Rel-18 | A | adNRM | agreed |
| S5-237449 | Rel-18 CR TS28.623 Separate yaml file for trace control NRM fragment | Huawei | 28.623 | 0288 | - | Rel-18 | F | AdNRM\_ph2 | revised |
| S5-238241 | Rel-18 CR TS28.623 Separate yaml file for trace control NRM fragment | Huawei | 28.623 | 0288 | 1 | Rel-18 | F | AdNRM\_ph2 | agreed |
| S5-237464 | Rel-18 CR TS 28.623 Enhance the ManagementDataCollection to support request management data per PLMN | Huawei,Ericsson,China Unicom | 28.623 | 0289 | - | Rel-18 | B | MANS\_ph2 | agreed |
| S5-237508 | Rel-18 CR TS28.623 Adding NPN Area Scope of MDT | Ericsson LM | 28.623 | 0290 | - | Rel-18 | B | 5GMDT\_Ph2 | revised |
| S5-238152 | Rel-18 CR TS28.623 Adding NPN Area Scope of MDT | Ericsson LM | 28.623 | 0290 | 1 | Rel-18 | B | 5GMDT\_Ph2 | agreed |
| S5-237530 | Rel-18 CR TS 28.623 Solution Sets clarifications | Ericsson Hungary Ltd | 28.623 | 0291 | - | Rel-18 | F | TEI18 | agreed |
| S5-237557 | Rel-16 CR TS 28.623 Align N38 in SMF with TS23.501 | Ericsson LM | 28.623 | 0292 | - | Rel-16 | F | TEI16 | revised |
| S5-237919 | Rel-16 CR TS 28.623 Align N38 in SMF with TS23.501 | Ericsson Ltd | 28.623 | 0292 | 1 | Rel-16 | F | TEI16 | revised |
| S5-238249 | Rel-16 CR TS 28.623 Align N38 in SMF with TS23.501 | Ericsson Ltd | 28.623 | 0292 | 2 | Rel-16 | F | TEI16 | agreed |
| S5-237558 | Rel-17 CR TS28.623 Align N38 in SMF with TS23.501 | Ericsson LM | 28.623 | 0293 | - | Rel-17 | A | TEI16 | revised |
| S5-237912 | Rel-17 CR TS28.623 Align N38 in SMF with TS23.501 | Ericsson LM | 28.623 | 0293 | 1 | Rel-17 | A | TEI16 | revised |
| S5-238250 | Rel-17 CR TS28.623 Align N38 in SMF with TS23.501 | Ericsson LM | 28.623 | 0293 | 2 | Rel-17 | A | TEI16 | agreed |
| S5-237560 | Rel-18 CR TS 28.623 Align N38 in SMF with TS23.501 | Ericsson LM | 28.623 | 0294 | - | Rel-18 | A | TEI16 | revised |
| S5-237887 | Rel-18 CR TS 28.623 Align N38 in SMF with TS23.501 | Ericsson LM | 28.623 | 0294 | 1 | Rel-18 | A | TEI16 | revised |
| S5-237888 | Rel-18 CR TS 28.623 Align N38 in SMF with TS23.501 | Ericsson Ltd | 28.623 | 0294 | 2 | Rel-18 | A | TEI16 | revised |
| S5-238251 | Rel-18 CR TS 28.623 Align N38 in SMF with TS23.501 | Ericsson Ltd | 28.623 | 0294 | 3 | Rel-18 | A | TEI16 | agreed |
| S5-237627 | Rel-18 CR TS 28.623 MDT support for NPN | Nokia, Nokia Shangai Bell | 28.623 | 0295 | - | Rel-18 | B | 5GMDT\_Ph2 | revised |
| S5-238153 | Rel-18 CR TS 28.623 MDT support for NPN | Nokia, Nokia Shangai Bell | 28.623 | 0295 | 1 | Rel-18 | B | 5GMDT\_Ph2 | agreed |
| S5-237631 | Rel-18 CR TS 28.623 Addressing tracing gaps in signalling based trace activation | Nokia, Nokia Shanghai Bell | 28.623 | 0296 | - | Rel-18 | B | 5GMDT\_Ph2 | not pursued |
| S5-238156 | Rel-18 CR TS 28.623 Addressing tracing gaps in signalling based trace activation | Nokia, Nokia Shanghai Bell | 28.623 | 0296 | 1 | Rel-18 | B | 5GMDT\_Ph2 | withdrawn |
| S5-237697 | Rel-18 CR TS 28.623 add inidcations to support MDT measurements collection in NR-DC | Huawei | 28.623 | 0297 | - | Rel-18 | B | 5GMDT\_Ph2 | not pursued |
| S5-237900 | Rel-17 CR 28.623 Add measurement bin support to NRM (stage3, yang) | Ericsson Inc. | 28.623 | 0298 | - | Rel-17 | F | ePM\_KPI\_5G | revised |
| S5-238316 | Rel-17 CR 28.623 Add measurement bin support to NRM (stage3, yang) | Ericsson Inc. | 28.623 | 0298 | 1 | Rel-17 | F | ePM\_KPI\_5G | agreed |
| S5-237901 | Rel-18 CR 28.623 Add measurement bin support to NRM (stage3, yang) | Ericsson Inc. | 28.623 | 0299 | - | Rel-18 | A | ePM\_KPI\_5G | revised |
| S5-238317 | Rel-18 CR 28.623 Add measurement bin support to NRM (stage3, yang) | Ericsson Inc. | 28.623 | 0299 | 1 | Rel-18 | A | ePM\_KPI\_5G | agreed |
| S5-237920 | Rel-16 CR TS28.623 Adding N16 and N16a into module\_3gpp-common-trace.yang | Ericsson LM | 28.623 | 0300 | - | Rel-16 | F | TEI16 | agreed |
| S5-237922 | Rel-17 CR TS28.623 Adding N16 and N16a into module\_3gpp-common-trace.yang | Ericsson LM | 28.623 | 0301 | - | Rel-17 | A | TEI16 | agreed |
| S5-237925 | Rel-18 CR TS28.623 Adding N16 and N16a into module\_3gpp-common-trace.yang | Ericsson Ltd | 28.623 | 0302 | - | Rel-18 | A | TEI16 | agreed |
| S5-237933 | Rel-18 CR TS 28.623 Removal of the Corba and XML Solution Sets | Ericsson Hungary Ltd | 28.623 | 0303 | - | Rel-18 | C | eSBMA | not pursued |
| S5-237942 | Rel-18 CR 28.623 Remove-Update FM related parts | Ericsson Hungary Ltd. | 28.623 | 0304 | - | Rel-18 | C | eSBMA | not pursued |
| S5-237957 | Rel-18 TS 28.623 YANG Correction of GeoAreaGrp and GeoCoordinateGrp | Ericsson India Private Limited | 28.623 | 0305 | - | Rel-18 | F | TEI18 | revised |
| S5-238284 | Rel-18 TS 28.623 YANG Correction of GeoAreaGrp and GeoCoordinateGrp | Ericsson India Private Limited | 28.623 | 0305 | 1 | Rel-18 | F | TEI18 | agreed |
| S5-237962 | Rel-17 CR 28.623 YANG Corrections (SA5#152) | Ericsson Hungary Ltd | 28.623 | 0306 | - | Rel-17 | F | TEI17 | agreed |
| S5-237937 | Rel-17 CR TS 28.632 Correct multiplicities in relations to ManagedFunction | Nokia, Nokia Shanghai Bell | 28.632 | 0006 | - | Rel-17 | A | TEI16 | revised |
| S5-238332 | Rel-17 CR TS 28.632 Correct multiplicities in relations to ManagedFunction | Nokia, Nokia Shanghai Bell | 28.632 | 0006 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-237959 | Rel-16 CR TS 28.632 Correct multiplicities in relations to ManagedFunction | Nokia, Nokia Shanghai Bell | 28.632 | 0007 | - | Rel-16 | F | TEI16 | revised |
| S5-238331 | Rel-16 CR TS 28.632 Correct multiplicities in relations to ManagedFunction | Nokia, Nokia Shanghai Bell | 28.632 | 0007 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-237676 | Rel-18 CR TS 32.130 Add requirements for NG-RAN MOCN network sharing scenario with multiple Cell Identity broadcast | China Unicom | 32.130 | 0025 | - | Rel-18 | B | MANS\_ph2 | withdrawn |
| S5-237929 | Rel-18 CR TS 32.130 Add requirements for NG-RAN MOCN network sharing scenario with multiple Cell Identity broadcast | China Unicom | 32.130 | 0026 | - | Rel-18 | B | MANS\_ph2 | agreed |
| S5-237584 | Rel-18 CR TS 32.156 Supplement the specification for establishing a relationship between <<dataType>> and model elements in UML class diagram | China Mobile Com. Corporation | 32.156 | 0084 | - | Rel-18 | F | TEI18 | revised |
| S5-238287 | Rel-18 CR TS 32.156 Supplement the specification for establishing a relationship between <<dataType>> and model elements in UML class diagram | China Mobile Com. Corporation, Ericsson, Huawei, Nokia | 32.156 | 0084 | 1 | Rel-18 | F | TEI18 | agreed |
| S5-237722 | Rel-15 CR TS 32.156 Clarification on predefined dataType and example | L.M. Ericsson Limited | 32.156 | 0085 | - | Rel-15 | F | TEI15 | not pursued |
| S5-237723 | Rel-16 CR TS 32.156 Clarification on predefined dataType and example | L.M. Ericsson Limited | 32.156 | 0086 | - | Rel-16 | A | TEI15 | not pursued |
| S5-237724 | Rel-17 CR TS 32.156 Clarification on predefined dataType and example | L.M. Ericsson Limited | 32.156 | 0087 | - | Rel-17 | A | TEI15 | not pursued |
| S5-237725 | Rel-18 CR TS 32.156 Clarification on predefined dataType and example | L.M. Ericsson Limited | 32.156 | 0088 | - | Rel-18 | A | TEI15 | revised |
| S5-238290 | Rel-18 CR TS 32.156 Clarification on predefined dataType and example | L.M. Ericsson Limited | 32.156 | 0088 | 1 | Rel-18 | F | TEI18 | agreed |
| S5-237917 | Rel-18 CR 32.156 Editorial clean up | Ericsson Inc. | 32.156 | 0089 | - | Rel-18 | F | TEI18 | revised |
| S5-238330 | Rel-18 CR 32.156 Editorial clean up | Ericsson Inc. | 32.156 | 0089 | 1 | Rel-18 | D | TEI18 | agreed |
| S5-237909 | Rel-16 CR 32.158 Clarify mapping of DNs to URIs | Ericsson Inc. | 32.158 | 0118 | - | Rel-16 | F | TEI16 | not pursued |
| S5-237911 | Rel-17 CR 32.158 Clarify mapping of DNs to URIs | Ericsson Inc. | 32.158 | 0119 | - | Rel-17 | A | TEI16 | not pursued |
| S5-237913 | Rel-18 CR 32.158 Clarify mapping of DNs to URIs | Ericsson Inc. | 32.158 | 0120 | - | Rel-18 | A | TEI16 | not pursued |
| S5-237376 | Rel-17 CR 32.160 Clarify YANG revision date handling | Ericsson Hungary Ltd | 32.160 | 0047 | - | Rel-17 | F | TEI17 | agreed |
| S5-237532 | Rel-18 CR 32.160 Clarify YANG revision date handling | Ericsson Hungary Ltd | 32.160 | 0048 | - | Rel-18 | A | TEI17 | agreed |
| S5-237780 | Rel-18 CR 32.240 Addition of business CHF via consumer CHF | Ericsson LM | 32.240 | 0477 | - | Rel-18 | B | B2B\_CH | revised |
| S5-238016 | Rel-18 CR 32.240 Addition of business CHF via consumer CHF | Ericsson LM | 32.240 | 0477 | 1 | Rel-18 | B | B2B\_CH | agreed |
| S5-237825 | Introduce the charging business roles for the integration of satellite into 5GS | CATT | 32.240 | 0478 | - | Rel-18 | B | DUMMY | merged |
| S5-237993 | Introduce the charging business roles for the integration of satellite into 5GS | CATT | 32.240 | 0478 | 1 | Rel-18 | B | DUMMY | withdrawn |
| S5-237357 | AI/ML support for NEF based charging | OPPO Beijing | 32.254 | 0034 | - | Rel-18 | B | DUMMY | revised |
| S5-237989 | AI/ML support for NEF based charging | OPPO Beijing | 32.254 | 0034 | 1 | Rel-18 | B | DUMMY | agreed |
| S5-237565 | Rel-18 CR TS 32.254 SUPI and APF ID Correction | Nokia, Nokia Shanghai Bell | 32.254 | 0035 | - | Rel-18 | C | TEI18 | not pursued |
| S5-237758 | Rel-16 CR 32.254 Removal of editor's note for the NEF API Charging Information | Ericsson LM | 32.254 | 0036 | - | Rel-16 | F | TEI16 | revised |
| S5-238072 | Rel-16 CR 32.254 Correcting identifiers as a list | Ericsson LM | 32.254 | 0036 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-237759 | Rel-17 CR 32.254 Correction external identifiers as a list | Ericsson LM | 32.254 | 0037 | - | Rel-17 | F | TEI17 | revised |
| S5-238073 | Rel-17 CR 32.254 Correcting identifiers as a list | Ericsson LM | 32.254 | 0037 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-237760 | Rel-18 CR 32.254 Correction external and internal identifiers as a list | Ericsson LM | 32.254 | 0038 | - | Rel-18 | A | TEI17 | revised |
| S5-238074 | Rel-18 CR 32.254 Correction of cardinality for NEF external id | Ericsson LM | 32.254 | 0038 | 1 | Rel-18 | A | TEI16 | agreed |
| S5-237766 | Rel-18 CR 32.254 Correction of subscriber identifier | Ericsson LM | 32.254 | 0039 | - | Rel-18 | F | TEI18 | not pursued |
| S5-237769 | Rel-18 CR 32.254 Addition of Trusted AF | Ericsson LM | 32.254 | 0040 | - | Rel-18 | C | TEI18 | not pursued |
| S5-237846 | Rel-17 CR 32.254 Correct the 5G VNGM Charging Information | Huawei | 32.254 | 0041 | - | Rel-17 | F | TEI17 | revised |
| S5-238253 | Rel-17 CR 32.254 Correct the 5G VNGM Charging Information | Huawei | 32.254 | 0041 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-237847 | Rel-18 CR 32.254 Correct the 5G VNGM Charging Information | Huawei | 32.254 | 0042 | - | Rel-18 | A | TEI17 | revised |
| S5-238254 | Rel-18 CR 32.254 Correct the 5G VNGM Charging Information | Huawei | 32.254 | 0042 | 1 | Rel-18 | A | TEI17 | agreed |
| S5-237871 | Rel-18 CR 32.254 Add charging support for TSN service | Huawei | 32.254 | 0043 | - | Rel-18 | B | TSN\_CH | revised |
| S5-238014 | Rel-18 CR 32.254 Add charging support for TSN service | Huawei | 32.254 | 0043 | 1 | Rel-18 | B | TSN\_CH | agreed |
| S5-238258 | Rel-18 CR 32.255 Clarification on roaming charging profile | Huawei | 32.255 | 0443 | 2 | Rel-18 | F | TEI18 | agreed |
| S5-238259 | Rel-18 CR 32.255 Update the roaming charging profile transfer | Huawei | 32.255 | 0444 | 2 | Rel-18 | F | TEI18 | agreed |
| S5-238260 | Rel-18 CR 32.255 Clarification on QBC triggers | Charging | 32.255 | 0445 | 2 | Rel-18 | F | TEI18 | agreed |
| S5-237842 | Rel-18 CR 32.255 Clarification on message flow of home routed charging | Huawei | 32.255 | 0446 | 1 | Rel-18 | C | TEI18 | revised |
| S5-238092 | Rel-18 CR 32.255 Clarification on message flow of home routed charging | Huawei | 32.255 | 0446 | 2 | Rel-18 | F | TEI18 | agreed |
| S5-237771 | Rel-18 CR 32.255 Correction of record opening time | Ericsson LM | 32.255 | 0458 | 1 | Rel-18 | F | TEI18 | revised |
| S5-238081 | Rel-18 CR 32.255 Correction of record opening time | Ericsson LM | 32.255 | 0458 | 2 | Rel-18 | F | TEI18 | agreed |
| S5-237773 | Rel-18 CR 32.255 Addition of invocation timestamp in CDR | Ericsson LM | 32.255 | 0460 | 1 | Rel-18 | C | TEI18 | revised |
| S5-238083 | Rel-18 CR 32.255 Addition of invocation timestamp in CDR | Ericsson LM | 32.255 | 0460 | 2 | Rel-18 | C | TEI18 | agreed |
| S5-237777 | Rel-18 CR 32.255 Correction of Multiple Unit Usage | Ericsson LM | 32.255 | 0462 | 1 | Rel-18 | F | TEI18 | revised |
| S5-238087 | Rel-18 CR 32.255 Correction of Multiple Unit Usage | Ericsson LM | 32.255 | 0462 | 2 | Rel-18 | F | TEI18 | agreed |
| S5-237529 | Addition of CHF-CHF architecture to support Network Slice Charging | MATRIXX Software | 32.255 | 0468 | - | Rel-18 | B | NETSLICE\_CH\_Ph2 | revised |
| S5-238002 | Addition of CHF-CHF architecture to support Network Slice Charging | MATRIXX Software | 32.255 | 0468 | 1 | Rel-18 | B | NETSLICE\_CH\_Ph2 | agreed |
| S5-237566 | Rel-18 CR TS 32.254 Enhance Application Charging description | Nokia, Nokia Shanghai Bell | 32.255 | 0469 | - | Rel-18 | F | TEI18 | revised |
| S5-238070 | Rel-18 CR TS 32.254 Enhance Application Charging description | Nokia, Nokia Shanghai Bell | 32.255 | 0469 | 1 | Rel-18 | F | TEI18 | agreed |
| S5-237657 | R18 CR 32.255 Add clarification text for use of UE behind the RGs | China Unicom, Huawei | 32.255 | 0470 | - | Rel-18 | B | 5WWC\_Ph2 | revised |
| S5-238030 | R18 CR 32.255 Add clarification text for use of UE behind the RGs | China Unicom, Huawei | 32.255 | 0470 | 1 | Rel-18 | B | 5WWC\_Ph2 | agreed |
| S5-237753 | Remove MBS session charging information | China Mobile Com. Corporation, Huawei | 32.255 | 0471 | - | Rel-18 | F | 5MBS\_CH | revised |
| S5-238018 | Remove MBS session charging information | China Mobile Com. Corporation, Huawei | 32.255 | 0471 | 1 | Rel-18 | F | 5MBS\_CH | agreed |
| S5-237778 | Rel-17 CR 32.255 Correction of LBO CHF selection | Ericsson LM | 32.255 | 0472 | - | Rel-17 | F | TEI17 | revised |
| S5-238088 | Rel-17 CR 32.255 Correction of LBO CHF selection | Ericsson LM | 32.255 | 0472 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-237779 | Rel-18 CR 32.255 Correction of LBO CHF selection | Ericsson LM | 32.255 | 0473 | - | Rel-18 | A | TEI17 | revised |
| S5-238089 | Rel-18 CR 32.255 Correction of LBO CHF selection | Ericsson LM | 32.255 | 0473 | 1 | Rel-18 | A | TEI17 | agreed |
| S5-237784 | Rel-18 CR 32.255 Addition of CHF selection by H-CHF | Ericsson LM | 32.255 | 0474 | - | Rel-18 | B | CHRACHF | merged |
| S5-237785 | Rel-18 CR 32.255 Addition of CHF to CHF roaming charging profile | Ericsson LM | 32.255 | 0475 | - | Rel-18 | B | CHRACHF | revised |
| S5-238037 | Rel-18 CR 32.255 Addition of CHF to CHF roaming charging profile | Ericsson LM | 32.255 | 0475 | 1 | Rel-18 | B | CHRACHF | agreed |
| S5-237786 | Rel-18 CR 32.255 Addition of CHF to CHF flow | Ericsson LM | 32.255 | 0476 | - | Rel-18 | B | CHRACHF | revised |
| S5-238042 | Rel-18 CR 32.255 Addition of CHF to CHF flow | Ericsson LM | 32.255 | 0476 | 1 | Rel-18 | B | CHRACHF | agreed |
| S5-237787 | Rel-18 CR 32.255 Addition of CHF information | Ericsson LM | 32.255 | 0477 | - | Rel-18 | B | CHRACHF | revised |
| S5-238043 | Rel-18 CR 32.255 Addition of CHF information | Ericsson LM | 32.255 | 0477 | 1 | Rel-18 | B | CHRACHF | agreed |
| S5-237826 | Addition of the satellite backhaul in charging principle | CATT | 32.255 | 0478 | - | Rel-18 | B | DUMMY | revised |
| S5-237994 | Addition of the satellite backhaul in charging principle | CATT | 32.255 | 0478 | 1 | Rel-18 | B | DUMMY | agreed |
| S5-237827 | Add charging information for the satellite backhaul | CATT | 32.255 | 0479 | - | Rel-18 | B | DUMMY | revised |
| S5-237995 | Add charging information for the satellite backhaul | CATT | 32.255 | 0479 | 1 | Rel-18 | B | DUMMY | agreed |
| S5-237828 | Add trigger conditions for the satellite backhaul | CATT | 32.255 | 0480 | - | Rel-18 | B | DUMMY | revised |
| S5-238060 | Add trigger conditions for the satellite backhaul | CATT | 32.255 | 0480 | 1 | Rel-18 | B | DUMMY | agreed |
| S5-237829 | Add message flow for the satellite backhaul | CATT | 32.255 | 0481 | - | Rel-18 | B | DUMMY | revised |
| S5-238061 | Add message flow for the satellite backhaul | CATT | 32.255 | 0481 | 1 | Rel-18 | B | DUMMY | agreed |
| S5-237843 | Rel-18 CR 32.255 Addition of Roaming Charging Profile Change | Huawei | 32.255 | 0482 | - | Rel-18 | C | TEI18 | revised |
| S5-238093 | Rel-18 CR 32.255 Addition of Roaming Charging Profile Change | Huawei | 32.255 | 0482 | 1 | Rel-18 | F | TEI18 | agreed |
| S5-237844 | Rel-18 CR 32.255 Addition of 5G Data Connectivity Converged Charging per network slice | Huawei | 32.255 | 0483 | - | Rel-18 | C | TEI18 | revised |
| S5-238080 | Rel-18 CR 32.255 Addition of 5G Data Connectivity Converged Charging per network slice | Huawei | 32.255 | 0483 | 1 | Rel-18 | B | NETSLICE\_CH\_Ph2 | agreed |
| S5-237845 | Rel-18 CR 32.255 Clarification on EPS to 5GS handover for roaming in Home routed scenario | Huawei | 32.255 | 0484 | - | Rel-18 | F | TEI18 | revised |
| S5-238094 | Rel-18 CR 32.255 Clarification on EPS to 5GS handover for roaming in Home routed scenario | Huawei | 32.255 | 0484 | 1 | Rel-18 | F | TEI18 | agreed |
| S5-237850 | Clarify the reference to CHF to CHF interaction | Huawei | 32.255 | 0485 | - | Rel-18 | F | TEI18 | revised |
| S5-238257 | Clarify the reference to CHF to CHF interaction | Huawei | 32.255 | 0485 | 1 | Rel-18 | F | TEI18 | agreed |
| S5-237855 | Rel-18 CR 32.255 Addition of the Architecture considerations for NPN charging | Huawei, China Mobile | 32.255 | 0486 | - | Rel-18 | B | eNPN\_CH | revised |
| S5-238017 | Rel-18 CR 32.255 Addition of the Architecture considerations for NPN charging | Huawei, China Mobile | 32.255 | 0486 | 1 | Rel-18 | B | eNPN\_CH | agreed |
| S5-237872 | Rel-18 CR 32.255 Clarify the selection of two LBO roaming architectures | Huawei | 32.255 | 0487 | - | Rel-18 | B | CHRACHF | revised |
| S5-238035 | Rel-18 CR 32.255 Clarify the selection of two LBO roaming architectures | Huawei | 32.255 | 0487 | 1 | Rel-18 | B | CHRACHF | agreed |
| S5-237874 | Rel-18 CR 32.255 Add CHF to CHF interaction principle for LBO roaming | Huawei | 32.255 | 0488 | - | Rel-18 | B | CHRACHF | revised |
| S5-238036 | Rel-18 CR 32.255 Add CHF to CHF interaction principle for LBO roaming | Huawei | 32.255 | 0488 | 1 | Rel-18 | B | CHRACHF | agreed |
| S5-237878 | Add charging requirements for satellite access charging | CATT | 32.255 | 0489 | - | Rel-18 | B | 5GSAT\_Ph2\_CH | revised |
| S5-238057 | Add charging requirements for satellite access charging | CATT | 32.255 | 0489 | 1 | Rel-18 | B | 5GSAT\_Ph2\_CH | agreed |
| S5-237781 | Rel-18 CR 32.256 Addition of CHF selection by H-CHF | Ericsson LM | 32.256 | 0023 | - | Rel-18 | B | CHRACHF | revised |
| S5-238032 | Rel-18 CR 32.256 Addition of CHF selection by H-CHF | Ericsson LM | 32.256 | 0023 | 1 | Rel-18 | B | CHRACHF | agreed |
| S5-237782 | Rel-18 CR 32.256 Addition of CHF to CHF flow | Ericsson LM | 32.256 | 0024 | - | Rel-18 | B | CHRACHF | revised |
| S5-238033 | Rel-18 CR 32.256 Addition of CHF to CHF flow | Ericsson LM | 32.256 | 0024 | 1 | Rel-18 | B | CHRACHF | agreed |
| S5-237783 | Rel-18 CR 32.256 Addition of CHF information | Ericsson LM | 32.256 | 0025 | - | Rel-18 | B | CHRACHF | revised |
| S5-238034 | Rel-18 CR 32.256 Addition of CHF information | Ericsson LM | 32.256 | 0025 | 1 | Rel-18 | B | CHRACHF | agreed |
| S5-237841 | Rel-18 CR 32.256 Update on Triggers for AMF charging | Huawei | 32.256 | 0026 | - | Rel-18 | F | TEI18 | revised |
| S5-238091 | Rel-18 CR 32.256 Update on Triggers for AMF charging | Huawei | 32.256 | 0026 | 1 | Rel-18 | F | TEI18 | agreed |
| S5-237873 | Rel-18 CR 32.256 Clarify the selection of two LBO roaming architectures | Huawei | 32.256 | 0027 | - | Rel-18 | B | CHRACHF | revised |
| S5-238031 | Rel-18 CR 32.256 Clarify the selection of two LBO roaming architectures | Huawei | 32.256 | 0027 | 1 | Rel-18 | B | CHRACHF | agreed |
| S5-237830 | Add the satellite backhaul information in EAS deployment charging | CATT | 32.257 | 0011 | - | Rel-18 | B | DUMMY | revised |
| S5-238062 | Add the satellite backhaul information in EAS deployment charging | CATT | 32.257 | 0011 | 1 | Rel-18 | B | DUMMY | agreed |
| S5-237831 | Addition of the satellite backhaul in edge computing charging principles | CATT | 32.257 | 0012 | - | Rel-18 | B | DUMMY | revised |
| S5-238063 | Addition of the satellite backhaul in edge computing charging principles | CATT | 32.257 | 0012 | 1 | Rel-18 | B | DUMMY | agreed |
| S5-237774 | Rel-18 CR 32.260 Addition of invocation timestamp in CDR | Ericsson LM | 32.260 | 0435 | 1 | Rel-18 | C | TEI18 | revised |
| S5-238085 | Rel-18 CR 32.260 Addition of invocation timestamp in CDR | Ericsson LM | 32.260 | 0435 | 2 | Rel-18 | C | TEI18 | agreed |
| S5-237840 | Rel-18 CR 32.260 Update on Triggers for IMS charging | Huawei | 32.260 | 0436 | - | Rel-18 | F | TEI18 | not pursued |
| S5-237876 | Rel-18 CR 32.290 Quota mangement for CHF to CHF communication | Huawei | 32.290 | 0202 | 2 | Rel-18 | B | CHRACHF | revised |
| S5-238045 | Rel-18 CR 32.290 Quota mangement for CHF to CHF communication | Huawei | 32.290 | 0202 | 3 | Rel-18 | B | CHRACHF | agreed |
| S5-237525 | Add a new clause for CHF to CHF to support B2B charging - architecture | MATRIXX Software | 32.290 | 0204 | - | Rel-18 | B | B2B\_CH | not pursued |
| S5-237576 | Rel-18 CR TS 32.290 Failure handling without CHF connectivity | Nokia. Nokia Shanghai Bell | 32.290 | 0205 | - | Rel-18 | C | TEI18 | revised |
| S5-238071 | Rel-18 CR TS 32.290 Failure handling without CHF connectivity | Nokia. Nokia Shanghai Bell | 32.290 | 0205 | 1 | Rel-18 | C | TEI18 | agreed |
| S5-237823 | Rel-18 CR 32.291 Correction of tenant identifier | Ericsson LM | 32.290 | 0206 | - | Rel-18 | F | TEI18 | not pursued |
| S5-237875 | Rel-18 CR 32.290 Add CHF to CHF interaction failure handling | Huawei | 32.290 | 0207 | - | Rel-18 | B | CHRACHF | revised |
| S5-238044 | Rel-18 CR 32.290 Add CHF to CHF interaction failure handling | Huawei | 32.290 | 0207 | 1 | Rel-18 | B | CHRACHF | agreed |
| S5-237879 | Add satellite indication for satellite charging | CATT | 32.290 | 0208 | - | Rel-18 | B | 5GSAT\_Ph2\_CH | not pursued |
| S5-237757 | Rel-18 CR 32.291 Correction of content of type problem json | Ericsson LM | 32.291 | 0506 | 1 | Rel-18 | F | TEI18 | not pursued |
| S5-237775 | Rel-18 CR 32.291 Addition of invocation timestamp in CDR | Ericsson LM | 32.291 | 0508 | 1 | Rel-18 | F | TEI18 | revised |
| S5-238084 | Rel-18 CR 32.291 Addition of invocation timestamp in CDR | Ericsson LM | 32.291 | 0508 | 2 | Rel-18 | F | TEI18 | agreed |
| S5-237427 | Rel-18 CR TS 32291 AI/ML support for NEF based charging | OPPO Beijing | 32.291 | 0512 | - | Rel-18 | B | DUMMY | merged |
| S5-237990 | Rel-18 CR TS 32291 AI/ML support for NEF based charging | OPPO Beijing | 32.291 | 0512 | 1 | Rel-18 | B | DUMMY | withdrawn |
| S5-237460 | Resolve References to nrm yaml | MATRIXX Software | 32.291 | 0513 | - | Rel-17 | F | TEI17, 5GS\_NSMCH | agreed |
| S5-237461 | Resolve References to nrm yaml | MATRIXX Software | 32.291 | 0514 | - | Rel-18 | A | TEI17, 5GS\_NSMCH | revised |
| S5-237976 | Resolve References to nrm yaml | MATRIXX Software | 32.291 | 0514 | 1 | Rel-18 | A | TEI17, 5GS\_NSMCH | agreed |
| S5-237577 | Rel-18 CR TS 32.291 Service Consumption with unlimited quota | Nokia. Nokia Shanghai Bell | 32.291 | 0515 | - | Rel-18 | C | TEI18 | not pursued |
| S5-237761 | Rel-16 CR 32.291 Correction of cardinality for NEF external id | Ericsson LM | 32.291 | 0516 | - | Rel-16 | F | TEI16 | revised |
| S5-238075 | Rel-16 CR 32.291 Correction of cardinality for NEF external id | Ericsson LM | 32.291 | 0516 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-237762 | Rel-17 CR 32.291 Correction of NEF external id as a list | Ericsson LM | 32.291 | 0517 | - | Rel-17 | F | TEI17 | revised |
| S5-238076 | Rel-17 CR 32.291 Correction of cardinality for NEF external id | Ericsson LM | 32.291 | 0517 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-237763 | Rel-18 CR 32.291 Correction of NEF internal and external id as lists | Ericsson LM | 32.291 | 0518 | - | Rel-18 | A | TEI17 | revised |
| S5-238077 | Rel-18 CR 32.291 Correction of cardinality for NEF external id | Ericsson LM | 32.291 | 0518 | 1 | Rel-18 | A | TEI16 | agreed |
| S5-237767 | Rel-18 CR 32.291 Correction of tenant identifier | Ericsson LM | 32.291 | 0519 | - | Rel-18 | F | TEI18 | not pursued |
| S5-237839 | Rel-18 CR 32.291 Update the Trigger Type for IMS Charging | Huawei | 32.291 | 0520 | - | Rel-18 | F | TEI18 | revised |
| S5-238090 | Rel-18 CR 32.291 Update the Trigger Type for IMS Charging | Huawei | 32.291 | 0520 | 1 | Rel-18 | F | TEI18 | agreed |
| S5-237856 | CR TS 32.291 Support of MBS charging in 5G data connectivity domain charging in Stage 3 | Huawei | 32.291 | 0521 | - | Rel-18 | B | 5MBS\_CH | revised |
| S5-238027 | CR TS 32.291 Support of MBS charging in 5G data connectivity domain charging in Stage 3 | Huawei | 32.291 | 0521 | 1 | Rel-18 | B | 5MBS\_CH | agreed |
| S5-237857 | CR TS 32.291 Support of 5G Multicast-broadcast Services charging in Stage 3 | Huawei | 32.291 | 0522 | - | Rel-18 | B | 5MBS\_CH | not pursued |
| S5-238028 | CR TS 32.291 Support of 5G Multicast-broadcast Services charging in Stage 3 | Huawei | 32.291 | 0522 | 1 | Rel-18 | B | 5MBS\_CH | withdrawn |
| S5-237880 | Add satellite feature for satellite access charging | CATT | 32.291 | 0523 | - | Rel-18 | B | 5GSAT\_Ph2\_CH | revised |
| S5-238058 | Add satellite feature for satellite access charging | CATT | 32.291 | 0523 | 1 | Rel-18 | B | 5GSAT\_Ph2\_CH | agreed |
| S5-237986 | Rel-17 CR 32.291 Update OpenAPI version | Huawei | 32.291 | 0524 | - | Rel-17 | F | TEI17 | agreed |
| S5-237987 | Rel-18 CR 32.291 Update OpenAPI version | Huawei | 32.291 | 0525 | - | Rel-18 | A | TEI17 | agreed |
| S5-237770 | Rel-18 CR 32.298 Correction of record opening time | Ericsson LM | 32.298 | 0956 | 1 | Rel-18 | F | TEI18 | revised |
| S5-238082 | Rel-18 CR 32.298 Correction of record opening time | Ericsson LM | 32.298 | 0956 | 2 | Rel-18 | F | TEI18 | agreed |
| S5-237772 | Rel-18 CR 32.298 Correction of duration | Ericsson LM | 32.298 | 0958 | 1 | Rel-18 | F | TEI18 | agreed |
| S5-237776 | Rel-18 CR 32.298 Addition of invocation timestamp in CHF CDR | Ericsson LM | 32.298 | 0960 | 1 | Rel-18 | C | TEI18 | revised |
| S5-238086 | Rel-18 CR 32.298 Addition of invocation timestamp in CHF CDR | Ericsson LM | 32.298 | 0960 | 2 | Rel-18 | C | TEI18 | agreed |
| S5-237428 | Rel-18 CR TS 32298 AI/ML support for NEF based charging | OPPO Beijing | 32.298 | 0963 | - | Rel-18 | B | DUMMY | merged |
| S5-237991 | Rel-18 CR TS 32298 AI/ML support for NEF based charging | OPPO Beijing | 32.298 | 0963 | 1 | Rel-18 | B | DUMMY | withdrawn |
| S5-237764 | Rel-17 CR 32.298 Correction of NEF external id as a list | Ericsson LM | 32.298 | 0964 | - | Rel-17 | F | TEI17 | revised |
| S5-238078 | Rel-17 CR 32.298 Correction of NEF external id as a list | Ericsson LM | 32.298 | 0964 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-237765 | Rel-18 CR 32.298 Correction of NEF internal and external id as lists | Ericsson LM | 32.298 | 0965 | - | Rel-18 | A | TEI17 | revised |
| S5-238079 | Rel-18 CR 32.298 Correction of cardinality for NEF external id | Ericsson LM | 32.298 | 0965 | 1 | Rel-18 | A | TEI17 | agreed |
| S5-237768 | Rel-18 CR 32.298 Correction of CHF CDR tenant and subscriber identifier | Ericsson LM | 32.298 | 0966 | - | Rel-18 | F | TEI18 | not pursued |
| S5-237848 | Rel-17 CR 32.298 Correct the reference and term used for 5G charging | Huawei | 32.298 | 0967 | - | Rel-17 | F | TEI17 | revised |
| S5-238255 | Rel-17 CR 32.298 Correct the reference and term used for 5G charging | Huawei | 32.298 | 0967 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-237849 | Rel-18 CR 32.298 Correct the reference and term used for 5G charging | Huawei | 32.298 | 0968 | - | Rel-18 | A | TEI17 | revised |
| S5-238256 | Rel-18 CR 32.298 Correct the reference and term used for 5G charging | Huawei | 32.298 | 0968 | 1 | Rel-18 | A | TEI17 | agreed |
| S5-237973 | Introduction of SBMA in 32.300 | Ericsson | 32.300 | 0034 | - | Rel-18 | C | eSBMA | revised |
| S5-238143 | Introduction of SBMA in 32.300 | Ericsson | 32.300 | 0034 | 1 | Rel-18 | C | eSBMA | agreed |
| S5-237539 | Rel-16 CR TS32.421 Align N38 in SMF requirement with TS23.501 | Ericsson Ltd | 32.421 | 0108 | - | Rel-16 | F | TEI16 | agreed |
| S5-237540 | Rel-17 CR TS32.421 Align N38 in SMF with TS23.501 | Ericsson Ltd | 32.421 | 0109 | - | Rel-17 | A | TEI16 | agreed |
| S5-237541 | Rel-18 CR TS32.421 Align N38 in SMF with TS23.501 | Ericsson Ltd | 32.421 | 0110 | - | Rel-18 | A | TEI16 | agreed |
| S5-237586 | Rel-15 CR TS32.421 Missing N16 in SMF requirement | Ericsson Ltd | 32.421 | 0111 | - | Rel-15 | F | TEI15 | agreed |
| S5-237587 | Rel-16 CR TS32.421 Missing N16 in SMF requirement | Ericsson Ltd | 32.421 | 0112 | - | Rel-16 | A | TEI15 | agreed |
| S5-237589 | Rel-17 CR TS32.421 Missing N16 in SMF requirement | Ericsson Ltd | 32.421 | 0113 | - | Rel-17 | A | TEI15 | agreed |
| S5-237590 | Rel-18 CR TS32.421 Missing N16 in SMF requirement | Ericsson Ltd | 32.421 | 0114 | - | Rel-18 | A | TEI15 | agreed |
| S5-237591 | Rel-16 CR TS32.421 Missing N16a in SMF requirement | Ericsson LM | 32.421 | 0115 | - | Rel-16 | F | TEI16 | agreed |
| S5-237592 | Rel-17 CR TS32.421 Missing N16a in SMF requirement | Ericsson Ltd | 32.421 | 0116 | - | Rel-17 | A | TEI16 | agreed |
| S5-237609 | TS32.421 R18 Missing N16a in SMF requirement | Ericsson Ltd | 32.421 | 0117 | - | Rel-18 | A | TEI16 | agreed |
| S5-237634 | Rel-15 CR TS 32.421 Add the missing requirements for tracing of CHF and NWDAF | Nokia, Nokia Shangai Bell | 32.421 | 0118 | - | Rel-15 | F | TEI15 | not pursued |
| S5-237635 | Rel-16 CR TS 32.421 Add the missing requirements for tracing of CHF and NWDAF | Nokia, Nokia Shanghai Bell | 32.421 | 0119 | - | Rel-16 | A | TEI15 | not pursued |
| S5-237636 | Rel-17 CR TS 32.421 Add the missing requirements for tracing of CHF and NWDAF | Nokia, Nokia Shangai Bell | 32.421 | 0120 | - | Rel-17 | A | TEI15 | not pursued |
| S5-237637 | Rel-18 CR TS 32.421 Add the missing requirements for tracing of CHF and NWDAF | Nokia, Nokia Shangai Bell | 32.421 | 0121 | - | Rel-18 | A | TEI15 | not pursued |
| S5-237642 | Rel-17 CR TS 32.421 Adding the missing requirements for tracing new NFs | Nokia, Nokia Shangai Bell | 32.421 | 0122 | - | Rel-17 | F | TEI17 | not pursued |
| S5-237643 | Rel-18 CR TS 32.421 Adding the missing requirements for tracing new NFs | Nokia, Nokia Shanghai Bell | 32.421 | 0123 | - | Rel-18 | A | TEI17 | not pursued |
| S5-237505 | Rel-18 CR TS32.422 Adding NPN Area Scope of MDT | Ericsson LM | 32.422 | 0414 | - | Rel-18 | B | 5GMDT\_Ph2 | revised |
| S5-238150 | Rel-18 CR TS32.422 Adding NPN Area Scope of MDT | Ericsson LM,Nokia | 32.422 | 0414 | 1 | Rel-18 | B | 5GMDT\_Ph2 | agreed |
| S5-237543 | Rel-16 CR TS32.422 Align N38 in SMF requirement with TS23.501 | Ericsson Ltd | 32.422 | 0415 | - | Rel-16 | F | TEI16 | revised |
| S5-238318 | Rel-16 CR TS32.422 Align N38 in SMF requirement with TS23.501 | Ericsson Ltd | 32.422 | 0415 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-237545 | Rel-17 CR TS32.422 Align N38 in SMF requirement with TS23.501 | Ericsson Ltd | 32.422 | 0416 | - | Rel-17 | A | TEI16 | revised |
| S5-238319 | Rel-17 CR TS32.422 Align N38 in SMF requirement with TS23.501 | Ericsson Ltd | 32.422 | 0416 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-237547 | Rel-18 CR TS32.422 Align N38 in SMF requirement with TS23.501 | Ericsson Ltd | 32.422 | 0417 | - | Rel-18 | A | TEI16 | revised |
| S5-238320 | Rel-18 CR TS32.422 Align N38 in SMF requirement with TS23.501 | Ericsson Ltd | 32.422 | 0417 | 1 | Rel-18 | A | TEI16 | agreed |
| S5-237625 | Rel-18 CR TS 32.422 NPN support for MDT | Nokia, Nokia Shanghai Bell | 32.422 | 0418 | - | Rel-18 | B | 5GMDT\_Ph2 | merged |
| S5-237629 | Rel-18 CR TS 32.422 Addressing tracing gaps in signalling based trace activation | Nokia, Nokia Shangai Bell | 32.422 | 0419 | - | Rel-18 | B | 5GMDT\_Ph2 | revised |
| S5-238154 | Rel-18 CR TS 32.422 Addressing tracing gaps in signalling based trace activation | Nokia, Nokia Shangai Bell | 32.422 | 0419 | 1 | Rel-18 | B | 5GMDT\_Ph2 | not pursued |
| S5-237695 | Rel-18 CR TS 32.422 add inidcations to support MDT measurements collection in NR-DC | Huawei | 32.422 | 0420 | - | Rel-18 | B | 5GMDT\_Ph2 | not pursued |
| S5-237549 | Rel-16 CR TS32.423 Align N38 in SMF requirement with TS23.501 | Ericsson Ltd | 32.423 | 0153 | - | Rel-16 | F | TEI16 | agreed |
| S5-237551 | Rel-17 CR TS32.423 Align N38 in SMF requirement with TS23.501 | Ericsson Ltd | 32.423 | 0154 | - | Rel-17 | A | TEI16 | agreed |
| S5-237553 | Rel-18 CR TS32.423 Align N38 in SMF requirement with TS23.501 | Ericsson Ltd | 32.423 | 0155 | - | Rel-18 | A | TEI16 | agreed |
| S5-237638 | Rel-15 CR TS 32.423 Add the missing Trace record content for CHF | Nokia, Nokia Shangai Bell | 32.423 | 0156 | - | Rel-15 | F | TEI15 | not pursued |
| S5-237639 | Rel-16 CR TS 32.423 Add the missing Trace record content for CHF | Nokia, Nokia Shanghai Bell | 32.423 | 0157 | - | Rel-16 | A | TEI15 | not pursued |
| S5-237640 | Rel-17 CR TS 32.423 Add the missing Trace record content for CHF | Nokia, Nokia Shangai Bell | 32.423 | 0158 | - | Rel-17 | A | TEI15 | not pursued |
| S5-237641 | Rel-18 CR TS 32.423 Add the missing Trace record content for CHF | Nokia, Nokia Shangai Bell | 32.423 | 0159 | - | Rel-18 | A | TEI15 | not pursued |
| S5-237889 | Rel-16 CR 32.423 Correct trace administrative message definitions | Ericsson Inc. | 32.423 | 0160 | - | Rel-16 | F | TM\_SBMA | revised |
| S5-238336 | Rel-16 CR 32.423 Correct trace administrative message definitions | Ericsson Inc. | 32.423 | 0160 | 1 | Rel-16 | F | TM\_SBMA | agreed |
| S5-237890 | Rel-17 CR 32.423 Correct trace administrative message definitions | Ericsson Inc. | 32.423 | 0161 | - | Rel-17 | A | TM\_SBMA | revised |
| S5-238337 | Rel-17 CR 32.423 Correct trace administrative message definitions | Ericsson Inc. | 32.423 | 0161 | 1 | Rel-17 | A | TM\_SBMA | agreed |
| S5-237891 | Rel-18 CR 32.423 Correct trace administrative message definitions | Ericsson Inc. | 32.423 | 0162 | - | Rel-18 | A | TM\_SBMA | revised |
| S5-238338 | Rel-18 CR 32.423 Correct trace administrative message definitions | Ericsson Inc. | 32.423 | 0162 | 1 | Rel-18 | A | TM\_SBMA | agreed |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Original | Title | From | Decision | Reply TDoc |
| S5-237321 |  | Reply LS on Enhancement on the attribute for 5GLAN management | C4-234414 | replied to | S5-238099 |
| S5-237322 |  | LS on String based Charging Identifier over SBI | C4-234657 | postponed | (none) |
| S5-237323 |  | LS on a Framework for Network Slices in Networks Built from IETF Technologies Submission | IETF | noted | (none) |
| S5-237324 |  | Reply LS on area scope for QoE measurements | R2-2311400 | replied to | S5-238098 |
| S5-237325 |  | Reply LS on QMC support in RRC\_IDLE and RRC\_INACTIVE | R2-2311409 | noted | (none) |
| S5-237326 |  | Response LS on introduction new attribute to support source coordination between LTE and NR SA | R3-235702 | noted | (none) |
| S5-237327 |  | Reply LS on Reply to LS on AI/ML for NG-RAN Energy Saving Energy Cost index | R3-235743 | postponed | (none) |
| S5-237328 |  | Reply LS on Multiple Trace/MDT configurations | R3-235882 | postponed | (none) |
| S5-237329 |  | Reply LS on Priority information and NR-DC | R3-235912 | noted | (none) |
| S5-237330 |  | Reply LS on MBS communication service | R3-235913 | noted | (none) |
| S5-237331 |  | Further reply LS on Cell ID (re)configuration for mobile IAB cell | R3-235921 | noted | (none) |
| S5-237332 |  | Reply LS on the provisioning services specified in SA5 | S2-2311892 | noted | (none) |
| S5-237333 |  | LS on inputs for mapping GSMA OPG architecture roles with 3GPP defined Edge architectures | S6-233417 | replied to | S5-238096 |
| S5-237334 |  | LSout to 3GPP SA5 Reply to "5G network energy efficiency and energy saving" (NFV(22)000018) | ETSI ISG NFV | noted | (none) |
| S5-237335 |  | IETF HTTP RFCs obsoleted by RFCs 9110, 9111 and 9113 | C4-233513 | noted | (none) |
| S5-237336 |  | LS on user consent for SON/MDT for NB-IoT Ues | R2-2309030 | replied to | S5-238102 |
| S5-237337 |  | LS on MDT measurements collection in MR-DC | R3-232070 | postponed | S5-238100 |
| S5-237338 |  | LS on QoE measurement collection for application sessions delivered via MBS broadcast or multicast | R3-233457 | replied to | S5-238103 |
| S5-237339 |  | Reply LS on area scope for QoE measurements | S4-231490 | noted | (none) |
| S5-237340 |  | LS on MDT for NPN | R3-234744 | replied to | S5-238101 |
| S5-237341 |  | LS to SA, SA3 and SA5 on potential collaboration between 3GPP SA3/SA5 and ETSI SAI ISG | ETSI ISG SAI | postponed | (none) |
| S5-237342 |  | Liaison Multi-SDO Autonomous Networks (AN) Formal Liaison: Call for Candidate Proposals for AN SDO Information Sharing | TM Forum | replied to | S5-237698 |
| S5-237343 |  | LS to 3GPP re Monitoring of Encrypted 5GS Signalling Traffic | GSMA | replied to | S5-238140 |
| S5-237344 |  | LSout about PIM specification development by ETSI NFV | ETSI ISG NFV | replied to | S5-237440 |
| S5-237345 |  | Publication of ETSI NFV specification on Intent Management Service Interface and Intent Information Model | ETSI ISG NFV | replied to | S5-238162 |
| S5-237346 |  | LSout on “Certificate Management” | ETSI ISG NFV | postponed | (none) |
| S5-237974 |  | Update on autonomous networks key effectiveness indicators  LS(23)0004 Update on autonomous networks key effectiveness indicators | TM Forum | postponed | (none) |
| S5-238097 |  | Reply LS on Monitoring of Encrypted 5GS Signalling Traffic | S3-235009 | noted | (none) |
| S5-238108 |  | LS reply for LS on user consent for SON/MDT for NB-IoT Ues | S3-235004 | postponed | (none) |

### C2: Outgoing liaison statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document | Title | To | Cc | reply to i/c LS |
| S5-237440 | Reply LS on S5-237344 LSout about PIM specification development by ETSI NFV | ETSI ISG NFV | - | S5-237344 |
| S5-237698 | Reply to Liaison Multi-SDO Autonomous Networks (AN) Formal Liaison: Call for Candidate Proposals for AN SDO Information Sharing | TM Forum | ETSI, GSMA, ONAP, NGMN, CCSA, IEEE, IETF, ITU-T | S5-237342 |
| S5-237941 | LS on issues with Packet Uu Loss Rate with delay threshold in the DL per DRB per UE | 3GPP RAN2 | 3GPP SA, 3GPP RAN3 |  |
| S5-238096 | LS reply on inputs for mapping GSMA OPG architecture roles with 3GPP defined Edge architectures | SA6 | - | - |
| S5-238098 | Reply to: Reply LS on area scope for QoE measurements | RAN2 | RAN3,SA4 | S5-237324 |
| S5-238099 | Reply to: Reply LS on Enhancement on the attribute for 5GLAN management | CT4 | SA2 | S5-237321 |
| S5-238101 | Reply LS on MDT for NPN | RAN3 | RAN2, SA3 | S5-237340 |
| S5-238102 | Reply to: LS on user consent for SON/MDT for NB-IoT Ues | RAN2 | SA3 | S5-237336 |
| S5-238103 | Reply to: LS on QoE measurement collection for application sessions delivered via MBS broadcast or multicast | RAN3,SA4 | - | S5-237338 |
| S5-238106 | LS to SA2 on network energy related information exposure | SA2 | SA, SA1 | - |
| S5-238107 | LS on the progress update of AI/ML Management specifications in SA5 | RAN1, RAN2, RAN3, SA2 | SA1, SA, RAN | - |
| S5-238140 | Reply LS to LS to 3GPP re Monitoring of Encrypted 5GS Signalling Traffic | GSMA 5GPKIWP | SA,SA3 | S5-237343 |
| S5-238162 | Reply LS on S5-237345 Publication of ETSI NFV specification on Intent Management Service Interface and Intent Information Model | ETSI ISG NFV | TM Forum, ETSI ISG ZSM, ETSI ISG ENI, LFN, O-RAN Alliance, ITU-T SG13 | S5-237345 |

## Annex D: List of agreed/approved new and revised Work Items

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Title | Source | new/revised |
| S5-238133 | New Rel-19 SID Study on AI and ML management phase 2 | Intel, NEC | SID new |
| S5-238135 | New Rel-19 Study on intent driven management services for mobile networks phase 3 | Huawei | SID new |
| S5-238194 | New SID on cloud aspects of management and orchestration | Microsoft Europe SARL | SID new |
| S5-238196 | New SID on SBMA enhancement phase 3 | Huawei | SID new |
| S5-238201 | New Study on data management, regarding subscriptions and reporting | Ericsson | SID new |
| S5-238206 | New SID on Management Aspects of NTN Phase 2 | CATT, China Unicom | SID new |
| S5-238207 | New SID on Management of IAB Nodes | Ericsson LM | SID new |
| S5-238209 | New Rel-19 Study on Management of Network Sharing Phase 3 | China Unicom, China Telcom, Ericsson, Huawei, ZTE, CMCC | SID new |
| S5-238264 | Rel-19 New SID Enablers for Security Monitoring | Nokia UK,DTAG | SID new |
| S5-238342 | New SID on management aspects of RedCap feature | AsiaInfo Technologies Inc | SID new |
| S5-238344 | New SID on Management aspect of Network Digital Twin | China Mobile E-Commerce Co. | SID new |
| S5-238351 | New SID: Study on Management Data Analytics (MDA) – Phase 3 | NEC, Intel | SID new |
| S5-238352 | New Study on Enhancement of Management Aspects related to NWDAF Phase 2 | China Telecommunications | SID new |
| S5-238353 | New SID on energy efficiency and energy saving aspects of 5G networks and services | Huawei | SID new |
| S5-238354 | Rel-19 SID MExpo | Nokia,Telefonica, DTAG | SID new |
| S5-238275 | Revised Study on Key Quality Indicators (KQIs) for 5G service experience | Huawei | SID revised |
| S5-237988 | New WID on NEF Charging enhancement to support AI/ML in 5GS | OPPO | WID new |
| S5-237992 | New WID on charging aspects of Satellite Backhaul in 5GS | CATT | WID new |
| S5-238136 | New Study on Closed Control loop management | Samsung R&D Institute India | WID new |
| S5-238199 | Rel-19 New SID on Plan management | Nokia, Nokia Shanghai Bell | WID new |
| S5-238200 | Rel-19 New WID on Data Management phase 2 | Nokia, Nokia Shanghai Bell | WID new |
| S5-238202 | New WID on 5G performance measurements and KPIs phase 4 | China Telecom Corporation Ltd. | WID new |
| S5-238262 | New WID on 5G Advanced NRM features phase 3 | Nokia, Nokia Shanghai Bell | WID new |
| S5-238343 | New WID on Support for Subscriber and Equipment Trace and QoE collection functionality in RAN and core network | Ericsson | WID new |
| S5-237985 | Revised WID on Charging Aspects of Network Slicing Phase 2 | MATRIXX Software | WID revised |

## Annex E: List of draft Technical Specifications and Reports

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Spec | vers | Doc title |
| S5-237977 | 28.203 | 1.2.0 | Draft TS 28.203 |
| S5-237978 | 28.204 | 0.5.0 | Draft TS 28.204 |
| S5-237980 | 32.282 | 0.2.0 | Draft TS 32.282 |
| S5-237981 | 28.826 | 1.8.0 | Draft TR 28.826 |
| S5-237982 | 28.840 | 0.6.0 | Draft TR 28.840 |
| S5-237983 | 28.844 | 1.2.0 | Draft TR 28.844 |
| S5-237984 | 28.845 | 0.3.0 | Draft TR 28.845 |
| S5-238230 | 28.317 | 0.7.0 | Draft TS 28.317 |
| S5-238236 | 28.836 | 1.3.0 | Draft TR 28.836 |
| S5-238261 | 28.111 | 0.3.0 | Draft TS 28.111 |
| S5-238270 | 28.842 | 0.7.0 | Draft TR 28.842 |
| S5-238277 | 28.863 | 0.9.0 | Draft TR 28.863 |
| S5-238355 | 28.909 | 0.4.0 | Draft TR 28.909 |
| S5-238356 | 28.830 | 0.7.0 | Draft TR 28.830 |
| S5-238357 | 28.865 | 0.7.0 | Draft TR 28.865 |

## Annex F: List of participants

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TITLE | Family Name | Given Name | Employer Organization | Organization Represented |
| Dr. | Abhishek | Rohit | AT&T | AT&T |
| Dr. | Adhya | Aneek | IIT, Kharagpur | IIT, Kharagpur |
| Mr. | Agarwal | Deepak | CEWiT | CEWiT |
| Mr. | Ai | Ming | CATT | CATT |
| Mr. | Andrianov | Anatoly | Nokia Germany | Nokia Germany |
| Mrs. | Ayani | Zhulia | Ericsson LM | Ericsson-LG Co., LTD |
| Mr. | Bae | Jaehyeon | Samsung Electronics Co., Ltd | Samsung Electronics Czech |
| Mr. | Bhangu | Manmeet | Rakuten Mobile, Inc | Rakuten Mobile, Inc |
| Mr. | Bizzarri | Simone | TELECOM ITALIA S.p.A. | TELECOM ITALIA S.p.A. |
| Mr. | Burbidge | Richard | Intel Corporation (UK) Ltd | Intel Corporation (UK) Ltd |
| Mr. | Cano Soveri | Mirko | ETSI | ETSI |
| Dr. | Cetinkaya | Egemen | Verizon UK Ltd | Verizon Denmark |
| Ms. | CHAKRABARTI | SAMITA | Verizon UK Ltd | Verizon Sweden |
| Dr. | Chatterjee | Debdeep | Intel Corporation (UK) Ltd | Intel Technology India Pvt Ltd |
| Mr. | Chen | Ben | BJTU | BJTU |
| Mr. | Chen | Dong | Beijing Xiaomi Mobile Software | Beijing Xiaomi Electronics |
| Ms. | Chen | Zhuoyi | China Telecom Corporation Ltd. | CTSI |
| Dr. | CORNILY | Jean-Michel | Huawei Technologies France | Huawei Tech.(UK) Co.. Ltd |
| Mr. | Dawes | Peter | VODAFONE Group Plc | Vodafone GmbH |
| Dr. | Deng | Yimeng | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Telecommunication India |
| Dr. | Dong | Hao | ZTE Corporation | Nubia Technology Co.,Ltd |
| Ms. | Ebschbach | Linda | umlaut | umlaut |
| Ms. | Eitoku | Haruka | NTT corporation | NTT |
| Mr. | Fernandes | Clifton | Nokia UK | Nokia UK |
| Mrs. | Gardella | Maryse | MATRIXX Software | MATRIXX Software |
| Mr. | Gautam | Deepanshu | Samsung R&D Institute UK | Samsung R&D Institute India |
| Mrs. | Goldner | Alla | Guangdong OPPO Mobile Telecom. | OPPO Beijing |
| Ms. | Gong | Ruby | Beijing Xiaomi Mobile Software | Beijing Xiaomi Mobile Software |
| Miss | Gonzalez | Veronica | VODAFONE Group Plc | Vodafone Romania S.A. |
| Mr. | Görmer | Gerald | MATRIXX Software | MATRIXX Software |
| Mr. | Groenendijk | Jan | Ericsson LM | L.M. Ericsson Limited |
| Mr. | Guo | Yi | Intel Corporation (UK) Ltd | Intel Belgium SA/NV |
| Ms. | Gupta | Monika | Amdocs Software Systems Ltd | Amdocs Software Systems Ltd |
| Mr. | Gupta | Varini | Samsung R&D Institute India | Samsung R&D Institute UK |
| Dr. | Gutierrez Estevez | David | Samsung R&D Institute UK | BEIJING SAMSUNG TELECOM R&D |
| Mr. | Guttman | Erik | Samsung R&D Institute UK | Samsung Electronics GmbH |
| Mr. | Harper | Colby | Pivotal Commware | Pivotal Commware |
| Dr. | Harris | Paul | VIAVI Solutions | VIAVI Solutions |
| Mr. | Hassett | Brendan | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies Japan K.K. |
| Mr. | Hatanaka | Yoshitaka | NTT DOCOMO INC. | NTT DOCOMO INC. |
| Mr. | Huang | Changzheng | China Telecommunications | China Telecomunication Corp. |
| Mr. | Huang | Zhenning | China Mobile Com. Corporation | China Mobile International Ltd |
| Mr. | Inoue | Yoshihiro | NTT | NTT Advanced Technology Corpor |
| Mr. | Jain | Puneet | Intel | Intel |
| Mr. | Kaippallimalil | John | Futurewei Technologies | Futurewei Technologies |
| Dr. | Karampatsis | Dimitrios | Motorola Mobile Com Technology | Lenovo Future Communications |
| Mr. | Kaushik | Ashutosh | Samsung R&D Institute UK | Samsung Electronics Iberia SA |
| Miss | Kedalagudde | Meghashree D | Intel Deutschland GmbH | Intel Sweden AB |
| Dr. | Kiani | Abbas | Futurewei | Futurewei |
| Dr. | Kim | Hyesung | Samsung R&D Institute UK | Samsung Guangzhou Mobile R&D |
| Mr. | Klotz | Michael | Deutsche Telekom AG | Deutsche Telekom AG |
| Mr. | Kono | Tomoki | NTT DOCOMO INC. | NTT DOCOMO INC.. |
| Dr. | Koza | Yvette | ZTE FRANCE SASU | Sanechips |
| Mr. | Kuroiwa | Fumito | NTT DOCOMO INC.. | DOCOMO Beijing Labs |
| Ms. | Lam | Maria | Verizon Switzerland AG | Verizon Switzerland AG |
| Dr. | Lee | Daewon | Intel | Intel Korea, Ltd. |
| Ms. | Lee | Hoyeon | Samsung R&D Institute UK | Samsung Electronics Co., Ltd |
| Mr. | Lee | Jay | Verizon UK Ltd | Verizon UK Ltd |
| Mr. | Lee | Jicheol | Samsung R&D Institute UK | Samsung Electronics Nordic AB |
| Mr. | Lengyel | Balazs | Ericsson Hungary Ltd | Ericsson Hungary Ltd |
| Mr. | Li | Gang | Nanjing Ericsson Panda Com Ltd | Ericsson Telecomunicazioni SpA |
| Miss | Li | Mingxue | China Telecommunications | China Telecom Corporation Ltd. |
| Mr. | Li | Shitao | Huawei Tech.(UK) Co.. Ltd | Huawei Technologies France |
| Mr. | LI | Xiaoqiang | Cybercore | Cybercore |
| Mr. | Li | Zhendong | Nubia Technology Co.,Ltd | ZONSON |
| Ms. | Li | Ziyi | Intel Deutschland GmbH | Intel Technology Poland SP Zoo |
| Miss | Liang | Shuang | Nubia Technology Co.,Ltd | ZTE Corporation. |
| Mr. | Libunao | Gerardo | Verizon UK Ltd | Verizon Spain |
| Mr. | Lim | Suhwan | Meta Ireland | Meta Ireland |
| Ms. | Liping | Wu | CATT | CATT |
| Mr. | LIU | Jianning(Carry) | Beijing Xiaomi Software Tech | Xiaomi Communications |
| Mr. | Liu | Liu | China Telecom Corporation Ltd. | Chinatelecom Cloud |
| Miss | Liu | Yubing | China Telecommunications | E-surfing Digital |
| Mr. | Mangion | Mathieu | ETSI | ETSI |
| Mr. | MAO | Yuxin | Beijing Xiaomi Mobile Software | Xiaomi Technology |
| Miss | Martinez Tarradell | Marta | Intel | Intel Corporation Italia SpA |
| Mr. | Mayer | Georg | HUAWEI TECHNOLOGIES Co. Ltd. | HUAWEI TECHNOLOGIES Co. Ltd. |
| Mr. | Mohajeri | Shahram | AT&T GNS Belgium SPRL | AT&T GNS Belgium SPRL |
| Dr. | Moon | Sang-Jun | Samsung Electronics Co., Ltd | Harman GmbH |
| Mr. | Mouquet | Antoine | ETSI | ETSI |
| Dr. | Mwanje | Stephen | Nokia | Nokia Belgium |
| Mr. | NAKAMURA | Kazuo | NICT | NICT |
| Mr. | Nakano | Yusuke | KDDI Corporation | KDDI Corporation |
| Mr. | Nayak | Ashok Kumar | Samsung R&D Institute India | Samsung Electronics France SA |
| Mr. | Ordonez-Lucena | Jose | TELEFONICA S.A. | Telefonica Germany GmbH |
| Dr. | Park | Jungshin | Samsung Electronics Co., Ltd | Samsung Electronics Polska |
| Mr. | Petersen | Robert | Ericsson LM | Ericsson Japan K.K. |
| Dr. | Pollakowski | Olaf | Nokia Germany | Nokia Poland |
| Mr. | Potter | Benjamin | AT&T GNS Belgium SPRL | AT&T GNS Belgium SPRL |
| Mr. | Pozo | Sergio | VODAFONE Group Plc | VODAFONE Group Plc |
| Mr. | Probasco | Scott | Nokia | Nokia |
| Mr. | Pudney | Chris | VODAFONE Group Plc | Vodafone Ireland Plc |
| Mr. | Rajagopal | Sridhar | Mavenir | Mavenir |
| Miss | Ramazanirend | Elmira | VODAFONE Group Plc | Vodafone Telekomünikasyon A.S. |
| Mr. | Rodrigues | João | Nokia | Nokia Denmark |
| Ms. | Romaguera | Cristina | VODAFONE Group Plc | Vodafone Italia SpA |
| Mrs. | Rosa Bolzek | Cintia | Ericsson LM | Ericsson India Private Limited |
| Mr. | Ruan | Bangqiu | ZTE Corporation | ZTE Photonics |
| Ms. | Ryu | Jinsook | Dish Network | Dish Network |
| Ms. | Sabater | Susana | VODAFONE Group Plc | Vodafone España SA |
| Dr. | Sadeghi | Bahar | Microsoft Europe SARL | Microsoft Europe SARL |
| Dr. | Salkintzis | Apostolis | Motorola Mobility UK Ltd. | Motorola Mobility España SA |
| Mr. | Sangameshwara | Vijay | Samsung R&D Institute India | Samsung Research America |
| Mr. | Scott | Mark | Ericsson LM | Ericsson Inc. |
| Mr. | Shah | Sapan | Samsung R&D Institute India | SAMSUNG R&D INSTITUTE JAPAN |
| Mr. | Shan | Changhong | Intel Corporation (UK) Ltd | Intel China Ltd. |
| Mr. | Shao | Weixiang | ZTE Corporation | ShenZhen Zhongxing Shitong |
| Dr. | Shao | Xiao | TOYOTA MOTOR CORPORATION | TOYOTA MOTOR CORPORATION |
| Ms. | Shen | Yang | Beijing Xiaomi Mobile Software | Xiaomi EV Technology |
| Mrs. | Shi | xiaoli | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies Sweden AB |
| Mr. | Shu | Min | CATT | CATT |
| Mr. | SINHA | UTSAV | Samsung R&D Institute India | Samsung Shenzhen |
| Mr. | Sofuoglu | Serkan | P.I. WORKS | P.I. WORKS |
| Mr. | Song | Yue | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Miss | Srinivasaraju | Srilakshmi | Nokia Corporation | Nokia Japan |
| Mr. | Sriram | Sundar | CableLabs | CableLabs |
| Mr. | Stojanovski | Saso | Intel Deutschland GmbH | Intel Corporation SAS |
| Mr. | Subramanya | Tejas | Nokia Germany | Nokia France |
| Dr. | Suh | Dongeun | Samsung R&D Institute UK | Samsung Electronics Czech |
| Mr. | Sun | Sean | Nokia Shanghai Bell | Nokia Hungary |
| Dr. | Sun | Tao | China Mobile M2M Company Ltd. | China Mobile M2M Company Ltd. |
| Miss | Sun | Yue | China Telecommunications | China Telecommunications |
| Mr. | Swaminathan | Sivaramakrishnan | Nokia Germany | Nokia Corporation |
| Mr. | Takahashi | Tomohiko | ITOCHU Techno-Solutions Corp | ITOCHU Techno-Solutions Corp |
| Mr. | Tangudu | Narendranath Durga | Samsung R&D Institute India | Samsung Nanjing |
| Miss | Tao | Yuan | CICT | Datang Mobile Com. Equipment |
| Mr. | Thalanany | Sebastian | US Cellular Corporation | US Cellular Corporation. |
| Mr. | Törnkvist | Robert | Ericsson LM | Ericsson España S.A. |
| Mr. | Tovinger | Thomas | Ericsson LM | Ericsson LM |
| Mr. | Velev | Genadi | Motorola Mobility Germany GmbH | Motorola Mobility Germany GmbH |
| Ms. | Wang | Chan | Pengcheng laboratory | Pengcheng laboratory |
| Ms. | Wang | Dan | China Mobile Com. Corporation | China Mobile Group Device Co. |
| Dr. | Wang | Hucheng | CATT | Fiberhome Technologies Group |
| Ms. | Wang | Junfeng | Ericsson LM | Oy LM Ericsson AB |
| Miss | Wang | Menghan | ZTE Corporation | ZTE JAPAN K.K. |
| Ms. | WEI | QUN | China Unicom | China Unicom |
| Ms. | WU | Jinhua | Beijing Xiaomi Mobile Software | Beijing Xiaomi Mobile Software |
| Mr. | Xie | Baoguo | ZTE Corporation | Jetflow |
| Mr. | Xiong | Chunshan | CICT | Datang Linktester Technology |
| Mrs. | Xu | Ling | ZTE Corporation | ZTE Korea Limited |
| Mr. | Xu | Ruiyue | Huawei Tech.(UK) Co.. Ltd | HiSilicon Technologies Co. Ltd |
| Miss | Yan | Xiaojian | ZTE Corporation | ZTE Japan K.K. |
| Mr. | Yao | Yizhi | Intel Corporation (UK) Ltd | Intel K.K. |
| Mr. | Zhang | Kai | Huawei Tech.(UK) Co.. Ltd | HUAWEI TECH. GmbH |
| Ms. | Zhang | Ling | Siemens AG | Siemens AG |
| Miss | Zhang | Yuying | China Telecom Corporation Ltd. | Esurfing IoT |
| Miss | Zhao | Xian | Huawei Technologies France | HUAWEI Technologies Japan K.K. |
| Mr. | Zhu | Jinguo | ZTE Corporation. | ZXNE |
| Mr. | Zu | Qiang | Ericsson LM | Ericsson Limited |
| Mr. | Zwingmann | Holger | umlaut | umlaut |

## Annex G: List of future meetings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Title | Start date | End date (OP) | Town | Country | Reference |
| S5-153 | 29/01/2023 | 2/02/2023 | Seville | Spain |  |
| S5-154 | 15/04/2023 | 19/04/2023 | TBD | China |  |