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

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

**Electronic meeting, Online, 01/03/2021 to 09/03/2021**

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## 1 Opening of the meeting

NOTE: minutes of the email discussions and conference calls in OAM can be found in the document "S5-212007 OAM Chair notes and conclusions". Charging exec report in S5-212009 contains a summary of discussions and results in the Charging SWG.

## 2 Approval of the agenda

**S5-212000 Agenda**

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

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

## 3 IPR and legal declaration

The attention of the delegates to the meeting of this Technical Specification Group was drawn to the fact that 3GPP Individual Members have the obligation under the IPR Policies of their respective Organizational Partners to inform their respective Organizational Partners of Essential IPRs they become aware of.

The delegates were asked to take note that they were thereby invited:

to investigate whether their organization or any other organization owns IPRs which were, or were likely to become Essential in respect of the work of 3GPP.

to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Information Statement and the Licensing declaration forms.

The attention of the delegates to the meeting was drawn to the fact that 3GPP activities were subject to all applicable antitrust and competition laws and that compliance with said laws was therefore required by any participant of the meeting, including the Chairman and Vice-Chairmen and were invited to seek any clarification needed with their legal counsel. The leadership would conduct the present meeting with impartiality and in the interests of 3GPP. Delegates were reminded that timely submission of work items in advance of TSG/WG meetings was important to allow for full and fair consideration of such matters.

## 4 Meetings and activities reports

### 4.1 Last SA5 meeting report

**S5-212001 Report from last SA5 meeting**

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

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

### 4.2 Last SA meeting report

### 4.3 Inter-organizational reports

## 5 Cross-SWG issues

### 5.1 Administrative issues at SA5 level

**S5-212002 e-meeting process**

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

**Decision:** The document was **revised to S5-212325**.

**S5-212325 e-meeting process**

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

(Replaces S5-212002)

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

**S5-212003 Post e-meeting email approval status**

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

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

**S5-212010 SA5 working procedures**

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

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

**S5-212011 Process for management of draft TS-TRs**

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

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

### 5.2 Technical issues at SA5 level

**S5-212064 3GPP SA5 inputs to progressing the Multi SDO Autonomous Network coordination**

*Type: other For: Information  
 Source: SA5 Vice chair (Huawei)*

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

**S5-212129 Discussion paper on Use Case template**

*Type: discussion For: Endorsement  
 Source: SA5 Vice chair (Huawei)*

**Decision:** The document was **revised to S5-212326**.

**S5-212326 Discussion paper on Use Case template**

*Type: discussion For: Endorsement  
 Source: SA5 Vice chair (Huawei)*

(Replaces S5-212129)

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

**S5-212235 Recommended OpenAPI specification file handling and design guidelines**

*Type: discussion For: Decision  
 Source: 3GPP TSG CT chair*

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

**S5-212307 Comparison between TS 32.158 and TS 29.501/21.900**

*Type: discussion For: discussion  
 Source: Nokia*

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

### 5.3 Liaison statements at SA5 level

**S5-212015 Resubmitted LS New Whitepaper: “Operator Platform Telco Edge proposal"**

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

**Decision:** The document was **replied to in S5-212319**.

**S5-212319 Reply to: Resubmitted LS New Whitepaper: “Operator Platform Telco Edge proposal"**

*Type: LS out For: approval  
 to GSMA, cc SA2,SA6  
 Source: Intel*

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

**S5-212026 Progressing the Multi SDO Autonomous Network coordination**

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

**Decision:** The document was **replied to in S5-212310**.

**S5-212029 LS on NG.116 support of service categories**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: GSMA 5G Joint-Activity (5GJA)*

**Decision:** The document was **replied to in S5-212320**.

**S5-212320 Reply to: LS on NG.116 support of service categories**

*Type: LS out For: approval  
 to GSMA 5G Joint-Activity (5GJA)  
 Source: Ericsson*

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

**S5-212309 LS on Postponement of Multi SDO Autonomous Network strategic coordination meeting**

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

**Decision:** The document was **replied to in S5-212310**.

**S5-212310 Reply to: LS on Postponement of Multi SDO Autonomous Network strategic coordination meeting**

*Type: LS out For: approval  
 to TMF, cc 3GPP SA, ETSI (AN initiative, ZSM, NFV, ENI, F5G), GSMA, NGMN, CCSA TC7,ITU-T, IETF, IEEE  
 Source: Huawei*

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

**S5-212311 LS on migration from ETSI forge to 3GPP forge**

*Type: LS in For: discussion  
 Original outgoing LS: -, to -, cc -  
 Source: C4-211513*

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

**S5-212312 LS on OpenAPI guidelines**

*Type: LS out For: Approval  
 to SA,CT, cc CT3,CT4  
 Source: Ericsson*

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

### 5.4 SA5 meeting calendar

**S5-212013 SA5 meeting calendar**

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

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

## 6 OAM&P

### 6.1 OAM&P Plenary

**S5-212004 OAM&P action list**

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

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

**S5-212005 agenda\_with\_Tdocs\_sequence\_proposal\_OAM**

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

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

**S5-212006 OAM Exec Report**

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

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

**S5-212007 OAM Chair notes and conclusions**

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

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

**S5-212012 List of DraftCR input and output**

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

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

**S5-212014 Resubmitted LS reply to 3GPP SA5 on the relation between EDGEAPP and ETSI MEC architectures**

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

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

**S5-212016 Resubmitted LS to SA5 on Relation between 3GPP EDGEAPP and ETSI MEC architectures**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-202355*

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

**S5-212017 Resubmitted LS on O-RAN – 3GPP Cooperation on Management Services**

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

**Decision:** The document was **replied to in S5-212328**.

**S5-212328 Reply to: Resubmitted LS on O-RAN – 3GPP Cooperation on Management Services**

*Type: LS out For: approval  
 to O-RAN  
 Source: Ericsson*

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

**S5-212018 Resubmitted LS/r on methodology harmonization and REST-based network management framework (reply to 3GPP TSG SA5-S5-204647)**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: ITU-T SG2*

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

**S5-212019 Resubmitted LS/r on work progress on M.resm-AI "Requirements for energy saving management of 5G RAN system with AI" (reply to 3GPP SA5-LS1225)**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: ITU-T SG2*

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

**S5-212020 Liaison reply to 3GPP SA5/SA2 on relation between ENI and MDAF/NWDAF**

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

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

**S5-212021 Reply LS ccSA5 on SA WG2 assumptions from conclusion of study on architecture aspects for using satellite access in 5G**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R2-2102498*

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

**S5-212022 LS reply to SA5 on QoE Measurement Collection**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R2-2102500*

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

**S5-212023 Reply LS to SA5 on MDT Stage 2 and Stage 3 alignment**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-211140*

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

**S5-212024 LS to SA5 on the details of logging forms reported by the gNB-CU-CP, gNB-CU-UP and gNB-DU under measurement pollution conditions**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-211334*

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

**S5-212025 Reply LS to SA5 on limitation of Propagation of immediate MDT configuration in case of Xn inter-RAT HO**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-211335*

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

**S5-212034 Reply LS on work progress on ITU-T draft Rec. M.resm-AI**

*Type: LS out For: Agreement  
 to ITU-T SG2, cc 3GPP SA  
 Source: Orange*

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

**S5-212061 Rel-17 time plan proposal for OAM**

*Type: other For: Presentation  
 Source: SA5 Vice chair (Huawei)*

(Replaces S5-211081)

**Decision:** The document was **revised to S5-212330**.

**S5-212330 Rel-17 time plan proposal for OAM**

*Type: other For: Presentation  
 Source: SA5 Vice chair (Huawei)*

(Replaces S5-212061)

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

**S5-212062 List of Approved DraftCR**

*Type: other For: Information  
 Source: SA5 Vice chair (Huawei)*

(Replaces S5-211461)

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

**S5-212063 Collection of useful endorsed document and external communication documents**

*Type: other For: (not specified)  
 Source: Huawei Technologies (Korea)*

(Replaces S5-211088)

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

**S5-212131 Rel-17 CR TS 32.160 Update on template for requirement specifications**

*Type: CR For: (not specified)  
 32.160 v17.0.0 CR-0013 rev 1 Cat: C (Rel-17)  
  
 Source: Huawei*

(Replaces S5-211078)

**Decision:** The document was **revised to S5-212329**.

**S5-212329 Rel-17 CR TS 32.160 Update on template for requirement specifications**

*Type: CR For: -  
 32.160 v17.0.0 CR-0013 rev 2 Cat: C (Rel-17)  
  
 Source: Huawei*

(Replaces S5-212131)

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

**S5-212274 Discussion on new WID Plug and Connect**

*Type: discussion For: Endorsement  
 Source: Orange, AT&T, Deutsche Telekom, Telecom Italia, Telefonica S.A., Verizon*

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

**S5-212308 Ls to SA5 on Conclusion of NR QoE Management and Optimizations for Diverse Services SI in RAN3**

*Type: LS in For: discussion  
 Original outgoing LS: -, to -, cc -  
 Source: R3-211234*

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

**S5-212313 Mega CR plan**

*Type: discussion For: discussion  
 Source: Huawei*

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

### 6.2 New OAM&P Work Item proposals

**S5-212033 New SID on management aspects of network slice management capability exposure**

*Type: SID new For: (not specified)  
 Source: Alibaba Group*

(Replaces S5-211205)

**Decision:** The document was **revised to S5-212368**.

**S5-212368 New SID on management aspects of network slice management capability exposure**

*Type: SID new For: -  
 Source: Alibaba Group*

(Replaces S5-212033)

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

**S5-212059 New WID Enhancements of Management Data Analytics Service**

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

**Decision:** The document was **revised to S5-212369**.

**S5-212369 New WID Enhancements of Management Data Analytics Service**

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

(Replaces S5-212059)

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

**S5-212074 New WID on File Management**

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

**Decision:** The document was **revised to S5-212331**.

**S5-212331 New WID on File Management**

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

(Replaces S5-212074)

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

**S5-212132 New WID on enhancement of service based management architecture**

*Type: WID new For: (not specified)  
 Source: Huawei, China Telecom, China Unicom, China Mobile, Ericsson*

(Replaces S5-211460)

**Decision:** The document was **revised to S5-212332**.

**S5-212332 New WID on enhancement of service based management architecture**

*Type: WID new For: -  
 Source: Huawei, China Telecom, China Unicom, China Mobile, Ericsson*

(Replaces S5-212132)

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

### 6.3 OAM&P Maintenance and Rel-16 small Enhancements (only Rel-16 CRs or earlier)

**S5-212027 Remove the XML Solution set**

*Type: CR For: Approval  
 28.541 v16.7.0 CR-0456 Cat: C (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-212028 Remove the XML Solution set**

*Type: CR For: Approval  
 28.541 v17.1.0 CR-0457 Cat: C (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-212036 Remove unneeded solution sets**

*Type: CR For: Approval  
 28.623 v16.6.0 CR-0123 Cat: C (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-212069 Rel-16 CR 28.552 Update measurements to consider abnormal releases in RRC connected state**

*Type: CR For: Approval  
 28.552 v16.8.0 CR-0292 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-212070 Rel-16 CR 28.554 Update retainability KPIs to consider abnormal releases in RRC connected state**

*Type: CR For: Approval  
 28.554 v16.7.0 CR-0076 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-212071 Rel-17 CR 28.552 Update measurements to consider abnormal releases in RRC connected state**

*Type: CR For: Approval  
 28.552 v17.1.0 CR-0293 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-212072 Rel-17 CR 28.554 Update retainability KPIs to consider abnormal releases in RRC connected state**

*Type: CR For: Approval  
 28.554 v17.1.1 CR-0077 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-212075 Rel-16 CR 28.532 Correct definitions for the File MnS (stage 2)**

*Type: CR For: Approval  
 28.532 v16.6.0 CR-0163 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-211242)

**Decision:** The document was **revised to S5-212370**.

**S5-212370 Rel-16 CR 28.532 Correct definitions for the File MnS (stage 2)**

*Type: CR For: Approval  
 28.532 v16.6.0 CR-0163 rev 2 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-212075)

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

**S5-212076 Rel-16 CR 28.532 Correct definitions for the File MnS (REST SS)**

*Type: CR For: Approval  
 28.532 v16.6.0 CR-0164 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia; Nokia Shanghai Bell*

(Replaces S5-211246)

**Decision:** The document was **revised to S5-212371**.

**S5-212371 Rel-16 CR 28.532 Correct definitions for the File MnS (REST SS)**

*Type: CR For: Approval  
 28.532 v16.6.0 CR-0164 rev 2 Cat: F (Rel-16)  
  
 Source: Nokia; Nokia Shanghai Bell*

(Replaces S5-212076)

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

**S5-212077 Rel-16 CR 28.532 Correct definitions for the File MnS (OpenAPI definitions)**

*Type: CR For: Approval  
 28.532 v16.6.0 CR-0165 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-211247)

**Decision:** The document was **revised to S5-212372**.

**S5-212372 Rel-16 CR 28.532 Correct definitions for the File MnS (OpenAPI definitions)**

*Type: CR For: Approval  
 28.532 v16.6.0 CR-0165 rev 2 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-212077)

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

**S5-212078 Rel-16 CR 28.622 Correct notification support table for ManagedElement and ManagementNode**

*Type: CR For: Approval  
 28.622 v16.6.0 CR-0097 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-212080 Rel-17 Input to DraftCR 28.537 Add requirements for File Management**

*Type: other For: Approval  
 28.537 v..  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-211300)

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

**S5-212107 Rel-16 CR 28.535 Clean up the business level use cases and requirements**

*Type: CR For: Approval  
 28.535 v16.2.0 CR-0031 Cat: F (Rel-16)  
  
 Source: Nokia Germany*

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

**S5-212108 Rel-16 CR 28.535 Clean up the concepts and background**

*Type: CR For: Approval  
 28.535 v16.2.0 CR-0032 Cat: F (Rel-16)  
  
 Source: Nokia Germany*

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

**S5-212109 Rel-16 CR 28.535 Clean up the specification level use cases and requirements**

*Type: CR For: Approval  
 28.535 v16.2.0 CR-0033 Cat: F (Rel-16)  
  
 Source: Nokia Germany*

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

**S5-212110 Rel-16 CR 28.536 Clean up the Stage 2 model**

*Type: CR For: Approval  
 28.536 v16.2.1 CR-0024 Cat: F (Rel-16)  
  
 Source: Nokia Germany*

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

**S5-212145 Add new clauses and clarification for MDT collection peroid in NR**

*Type: CR For: Approval  
 32.422 v16.4.0 CR-0359 Cat: F (Rel-16)  
  
 Source: Ericsson Japan K-K*

**Decision:** The document was **revised to S5-212363**.

**S5-212363 Add new clauses and clarification for MDT collection peroid in NR**

*Type: CR For: Approval  
 32.422 v16.4.0 CR-0359 rev 1 Cat: A (Rel-16)  
  
 Source: Ericsson Japan K-K*

(Replaces S5-212145)

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

**S5-212146 Add new clauses and clarification for MDT collection peroid in NR**

*Type: CR For: Approval  
 32.422 v17.1.0 CR-0360 Cat: A (Rel-17)  
  
 Source: Ericsson Japan K-K*

**Decision:** The document was **revised to S5-212364**.

**S5-212364 Add new clauses and clarification for MDT collection peroid in NR**

*Type: CR For: Approval  
 32.422 v17.1.0 CR-0360 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson Japan K-K*

(Replaces S5-212146)

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

**S5-212147 Correct MDT collection peroid in LTE**

*Type: CR For: Approval  
 32.422 v15.5.0 CR-0361 Cat: A (Rel-15)  
  
 Source: Ericsson Japan K-K*

**Decision:** The document was **revised to S5-212355**.

**S5-212355 Correct MDT collection peroid in LTE**

*Type: CR For: Approval  
 32.422 v15.5.0 CR-0361 rev 1 Cat: A (Rel-15)  
  
 Source: Ericsson Japan K-K*

(Replaces S5-212147)

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

**S5-212148 Correct MDT collection peroid in LTE**

*Type: CR For: Approval  
 32.422 v14.1.0 CR-0362 Cat: A (Rel-14)  
  
 Source: Ericsson Japan K-K*

**Decision:** The document was **revised to S5-212356**.

**S5-212356 Correct MDT collection peroid in LTE**

*Type: CR For: Approval  
 32.422 v14.1.0 CR-0362 rev 1 Cat: A (Rel-14)  
  
 Source: Ericsson Japan K-K*

(Replaces S5-212148)

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

**S5-212153 Correct MDT collection peroid in LTE**

*Type: CR For: Approval  
 32.422 v13.1.0 CR-0363 Cat: A (Rel-13)  
  
 Source: Ericsson Japan K-K*

**Decision:** The document was **revised to S5-212357**.

**S5-212357 Correct MDT collection peroid in LTE**

*Type: CR For: Approval  
 32.422 v13.1.0 CR-0363 rev 1 Cat: A (Rel-13)  
  
 Source: Ericsson Japan K-K*

(Replaces S5-212153)

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

**S5-212154 Correct MDT collection peroid in LTE**

*Type: CR For: (not specified)  
 32.422 v12.5.0 CR-0364 Cat: A (Rel-12)  
  
 Source: Ericsson Japan K-K*

**Decision:** The document was **revised to S5-212358**.

**S5-212358 Correct MDT collection peroid in LTE**

*Type: CR For: -  
 32.422 v12.5.0 CR-0364 rev 1 Cat: A (Rel-12)  
  
 Source: Ericsson Japan K-K*

(Replaces S5-212154)

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

**S5-212155 Correct MDT collection peroid in LTE**

*Type: CR For: Approval  
 32.422 v11.13.0 CR-0365 Cat: F (Rel-11)  
  
 Source: Ericsson Japan K-K*

**Decision:** The document was **revised to S5-212359**.

**S5-212359 Correct MDT collection peroid in LTE**

*Type: CR For: Approval  
 32.422 v11.13.0 CR-0365 rev 1 Cat: F (Rel-11)  
  
 Source: Ericsson Japan K-K*

(Replaces S5-212155)

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

**S5-212157 Update of PCI configuration for D-SON and C-SON**

*Type: CR For: Approval  
 28.313 v16.1.0 CR-0015 Cat: F (Rel-16)  
  
 Source: Huawei Telecommunication India*

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

**S5-212159 Update of PCI configuration for D-SON and C-SON**

*Type: CR For: Approval  
 28.313 v17.0.0 CR-0016 Cat: A (Rel-17)  
  
 Source: Huawei Telecommunication India*

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

**S5-212192 Update of the PCI and DESManagementFunction**

*Type: CR For: Approval  
 28.541 v16.7.0 CR-0460 Cat: F (Rel-16)  
  
 Source: Huawei Telecommunication India*

**Decision:** The document was **revised to S5-212339**.

**S5-212339 Update of the PCI and DESManagementFunction**

*Type: CR For: Approval  
 28.541 v16.7.0 CR-0460 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei Telecommunication India*

(Replaces S5-212192)

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

**S5-212194 Update of the PCI and DESManagementFunction**

*Type: CR For: Approval  
 28.541 v17.1.0 CR-0461 Cat: A (Rel-17)  
  
 Source: Huawei Telecommunication India*

**Decision:** The document was **revised to S5-212340**.

**S5-212340 Update of the PCI and DESManagementFunction**

*Type: CR For: Approval  
 28.541 v17.1.0 CR-0461 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei Telecommunication India*

(Replaces S5-212194)

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

**S5-212198 Rel-16 CR TS 28.541 Correction on misalignment issues on EP\_Transport IOC**

*Type: CR For: Agreement  
 28.541 v16.7.0 CR-0463 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-212341**.

**S5-212341 Rel-16 CR TS 28.541 Correction on misalignment issues on EP\_Transport IOC**

*Type: CR For: Agreement  
 28.541 v16.7.0 CR-0463 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-212198)

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

**S5-212199 Rel-17 CR TS 28.541 Correction on misalignment issues on EP\_Transport IOC**

*Type: CR For: Agreement  
 28.541 v17.1.0 CR-0464 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-212342**.

**S5-212342 Rel-17 CR TS 28.541 Correction on misalignment issues on EP\_Transport IOC**

*Type: CR For: Agreement  
 28.541 v17.1.0 CR-0464 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-212199)

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

**S5-212200 Rel-16 CR TS 28.622 Correction of attribute properties and IOC inheritance description**

*Type: CR For: Agreement  
 28.622 v16.6.0 CR-0099 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-212354**.

**S5-212354 Rel-16 CR TS 28.622 Correction of attribute properties and IOC inheritance description**

*Type: CR For: Agreement  
 28.622 v16.6.0 CR-0099 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-212200)

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

**S5-212201 Rel-16 CR TS 28.532 Correct the misalignment information for stage 2 Fault Supervision MnS**

*Type: CR For: Agreement  
 28.532 v16.6.0 CR-0168 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-212334**.

**S5-212334 Rel-16 CR TS 28.532 Correct the misalignment information for stage 2 Fault Supervision MnS**

*Type: CR For: Agreement  
 28.532 v16.6.0 CR-0168 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-212201)

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

**S5-212202 Rel-16 CR TS 28.541 Correct multiplicity issue for several attributes of NR NRM**

*Type: CR For: Agreement  
 28.541 v16.7.0 CR-0441 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-211218)

**Decision:** The document was **revised to S5-212343**.

**S5-212343 Rel-16 CR TS 28.541 Correct multiplicity issue for several attributes of NR NRM**

*Type: CR For: Agreement  
 28.541 v16.7.0 CR-0441 rev 2 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-212202)

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

**S5-212203 Rel-17 CR TS 28.541 Correct multiplicity issue for several attributes of NR NRM**

*Type: CR For: Agreement  
 28.541 v17.1.0 CR-0442 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-211219)

**Decision:** The document was **revised to S5-212344**.

**S5-212344 Rel-17 CR TS 28.541 Correct multiplicity issue for several attributes of NR NRM**

*Type: CR For: Agreement  
 28.541 v17.1.0 CR-0442 rev 2 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-212203)

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

**S5-212204 Rel-16 CR TS 28.536 Correct the misalignment information for COSLA**

*Type: CR For: Agreement  
 28.536 v16.2.1 CR-0025 Cat: F (Rel-16)  
  
 Source: Huawei,Ericsson*

**Decision:** The document was **revised to S5-212338**.

**S5-212338 Rel-16 CR TS 28.536 Correct the misalignment information for COSLA**

*Type: CR For: Agreement  
 28.536 v16.2.1 CR-0025 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei,Ericsson*

(Replaces S5-212204)

**Decision:** The document was **revised to S5-212379**.

**S5-212379 Rel-16 CR TS 28.536 Correct the misalignment information for COSLA**

*Type: CR For: Agreement  
 28.536 v16.2.1 CR-0025 rev 2 Cat: F (Rel-16)  
  
 Source: Huawei,Ericsson*

(Replaces S5-212338)

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

**S5-212213 Discussion on how to use the Network Slicing NRM fragment to support two network slicing business model defined in TS 28.530**

*Type: discussion For: Endorsement  
 28.541 v..  
 Source: Huawei*

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

**S5-212215 Rel-16 CR TS 28.541 Correct the NF name in definition of EP\_NgU**

*Type: CR For: Agreement  
 28.541 v16.7.0 CR-0434 rev 2 Cat: A (Rel-16)  
  
 Source: China Telecommunications, Huawei*

(Replaces S5-211492)

**Decision:** The document was **revised to S5-212345**.

**S5-212345 Rel-16 CR TS 28.541 Correct the NF name in definition of EP\_NgU**

*Type: CR For: Agreement  
 28.541 v16.7.0 CR-0434 rev 3 Cat: F (Rel-16)  
  
 Source: China Telecommunications, Huawei*

(Replaces S5-212215)

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

**S5-212217 Rel-17 CR TS 28.541 Correct the NF name in definition of EP\_NgU**

*Type: CR For: Agreement  
 28.541 v17.1.0 CR-0435 rev 2 Cat: A (Rel-17)  
  
 Source: China Telecommunications, Huawei*

(Replaces S5-211493)

**Decision:** The document was **revised to S5-212346**.

**S5-212346 Rel-17 CR TS 28.541 Correct the NF name in definition of EP\_NgU**

*Type: CR For: Agreement  
 28.541 v17.1.0 CR-0435 rev 3 Cat: A (Rel-17)  
  
 Source: China Telecommunications, Huawei*

(Replaces S5-212217)

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

**S5-212219 Discussion on issues with NSI and NSSI state management**

*Type: discussion For: Endorsement  
 28.541 v..  
 Source: Huawei, Orange*

**Decision:** The document was **revised to S5-212347**.

**S5-212347 Discussion on issues with NSI and NSSI state management**

*Type: discussion For: Endorsement  
 28.541 v..  
 Source: Huawei, Orange,Telefonica*

(Replaces S5-212219)

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

**S5-212220 Rel-15 CR 28.541 Correction to NSI and NSSI state management**

*Type: CR For: Agreement  
 28.541 v15.7.0 CR-0465 Cat: F (Rel-15)  
  
 Source: Huawei, Orange*

**Decision:** The document was **revised to S5-212348**.

**S5-212348 Rel-15 CR 28.541 Correction to NSI and NSSI state management**

*Type: CR For: Agreement  
 28.541 v15.7.0 CR-0465 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei, Orange,Telefonica*

(Replaces S5-212220)

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

**S5-212221 Rel-16 CR 28.541 Correction to NSI and NSSI state management**

*Type: CR For: Agreement  
 28.541 v16.7.0 CR-0466 Cat: A (Rel-16)  
  
 Source: Huawei, Orange*

**Decision:** The document was **revised to S5-212349**.

**S5-212349 Rel-16 CR 28.541 Correction to NSI and NSSI state management**

*Type: CR For: Agreement  
 28.541 v16.7.0 CR-0466 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei, Orange,Telefonica*

(Replaces S5-212221)

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

**S5-212222 Rel-17 CR 28.541 Correction to NSI and NSSI state management**

*Type: CR For: Agreement  
 28.541 v17.1.0 CR-0467 Cat: A (Rel-17)  
  
 Source: Huawei, Orange*

**Decision:** The document was **revised to S5-212350**.

**S5-212350 Rel-17 CR 28.541 Correction to NSI and NSSI state management**

*Type: CR For: Agreement  
 28.541 v17.1.0 CR-0467 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei, Orange,Telefonica*

(Replaces S5-212222)

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

**S5-212244 TD clarify roles and actors related to network slice management**

*Type: discussion For: Endorsement  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-212271 Add missing Alarm Requirements and Use Cases**

*Type: CR For: Approval  
 28.545 v16.1.0 CR-0010 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-212353**.

**S5-212353 Add missing Alarm Requirements and Use Cases**

*Type: CR For: Approval  
 28.545 v16.1.0 CR-0010 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-212271)

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

**S5-212276 Rel-16 CR 28.532 Correct some minor errors in the Fault MnS definition (REST SS)**

*Type: CR For: Approval  
 28.532 v16.6.0 CR-0170 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-212333**.

**S5-212333 Rel-16 CR 28.532 Correct some minor errors in the Fault MnS definition (REST SS)**

*Type: CR For: Approval  
 28.532 v16.6.0 CR-0170 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-212276)

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

**S5-212277 Rel-16 CR 28.532 Correct some minor errors in the Prov MnS definition (REST SS)**

*Type: CR For: Approval  
 28.532 v16.6.0 CR-0171 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-212283 Rel-16 CR 28.541 Correction of ServiceProfile attributes**

*Type: CR For: Approval  
 28.541 v16.7.0 CR-0429 rev 3 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

(Replaces S5-211362)

**Decision:** The document was **revised to S5-212351**.

**S5-212351 Rel-16 CR 28.541 Correction of ServiceProfile attributes**

*Type: CR For: Approval  
 28.541 v16.7.0 CR-0429 rev 4 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

(Replaces S5-212283)

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

**S5-212285 Rel-17 CR 28.541 Correction of ServiceProfile attributes**

*Type: CR For: Approval  
 28.541 v17.1.0 CR-0430 rev 2 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-211363)

**Decision:** The document was **revised to S5-212352**.

**S5-212352 Rel-17 CR 28.541 Correction of ServiceProfile attributes**

*Type: CR For: Approval  
 28.541 v17.1.0 CR-0430 rev 3 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-212285)

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

**S5-212287 Correct NtfSubscriptionControl containment in YANG**

*Type: CR For: Approval  
 28.623 v16.6.0 CR-0124 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-212288 Correct NR endpoint classes containment in YANG**

*Type: CR For: Approval  
 28.541 v16.7.0 CR-0469 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-212289 Correct NR endpoint classes containment in YANG**

*Type: CR For: Approval  
 28.541 v17.1.0 CR-0470 Cat: A (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-212292 Rel-16 CR 28.552 Message names correction**

*Type: CR For: Approval  
 28.552 v16.8.0 CR-0297 Cat: F (Rel-16)  
  
 Source: Ericsson France S.A.S*

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

**S5-212293 Rel-17 CR 28.552 Message names correction**

*Type: CR For: Approval  
 28.552 v17.1.0 CR-0298 Cat: A (Rel-17)  
  
 Source: Ericsson France S.A.S*

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

**S5-212295 Remove use cases clause 5.1.3 and 5.1.4**

*Type: CR For: Approval  
 28.535 v16.2.0 CR-0035 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Deutsche Telekom AG, Huawei*

**Decision:** The document was **revised to S5-212337**.

**S5-212337 Remove use cases clause 5.1.3 and 5.1.4**

*Type: CR For: Approval  
 28.535 v16.2.0 CR-0035 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Deutsche Telekom AG, Huawei*

(Replaces S5-212295)

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

**S5-212297 Update use cases and requirements to replace communication service**

*Type: CR For: Approval  
 28.535 v16.2.0 CR-0036 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Deutsche Telekom AG, Huawei*

**Decision:** The document was **revised to S5-212335**.

**S5-212335 Update use cases and requirements to replace communication service**

*Type: CR For: Approval  
 28.535 v16.2.0 CR-0036 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Deutsche Telekom AG, Huawei*

(Replaces S5-212297)

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

**S5-212298 Update use cases and requirements to replace communication service**

*Type: CR For: Approval  
 28.535 v17.0.0 CR-0037 Cat: A (Rel-17)  
  
 Source: Ericsson LM, Deutsche Telekom AG, Huawei*

**Decision:** The document was **revised to S5-212336**.

**S5-212336 Update use cases and requirements to replace communication service**

*Type: CR For: Approval  
 28.535 v17.0.0 CR-0037 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson LM, Deutsche Telekom AG, Huawei*

(Replaces S5-212298)

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

**S5-212302 Rel 16 CR TS 28.536 add explanation for Entities in loop**

*Type: CR For: (not specified)  
 28.536 v16.2.1 CR-0027 Cat: F (Rel-16)  
  
 Source: Lenovo, Motorola Mobility*

**Decision:** The document was **revised to S5-212375**.

**S5-212375 Rel 16 CR TS 28.536 add explanation for Entities in loop**

*Type: CR For: -  
 28.536 v16.2.1 CR-0027 rev 1 Cat: F (Rel-16)  
  
 Source: Lenovo, Motorola Mobility*

(Replaces S5-212302)

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

**S5-212314 Rel-16 CR 28.536 Correct OpenAPI definition of the COSLA NRM**

*Type: CR For: Agreement  
 28.536 v16.2.1 CR-0019 rev 3 Cat: F (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-211529)

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

**S5-212315 Rel-16 fix containment relationship for EP\_Transport IOC**

*Type: CR For: Agreement  
 28.541 v16.7.0 CR-0444 rev 2 Cat: F (Rel-16)  
  
 Source: Nokia*

(Replaces S5-211456)

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

**S5-212316 Rel-17 fix containment relationship for EP\_Transport IOC**

*Type: CR For: Agreement  
 28.541 v17.1.0 CR-0445 rev 2 Cat: A (Rel-17)  
  
 Source: Nokia*

(Replaces S5-211457)

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

**S5-212321 Fix of compilation and other errors**

*Type: CR For: Agreement  
 28.541 v16.7.0 CR-0473 Cat: F (Rel-16)  
  
 Source: Nokia*

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

**S5-212322 YANG update to follow stage 2 definitions and correct earlier YANG compilation errors.**

*Type: CR For: Agreement  
 28.541 v16.7.0 CR-0471 Cat: F (Rel-16)  
  
 Source: Ericsson*

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

**S5-212323 Fix compilation and other errors**

*Type: CR For: Agreement  
 28.541 v17.1.0 CR-0474 Cat: A (Rel-17)  
  
 Source: Nokia*

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

**S5-212376 YANG update to follow stage 2 definitions and correct earlier YANG compilation errors.**

*Type: CR For: discussion  
 28.623 v16.6.0 CR-0125 Cat: F (Rel-16)  
  
 Source: Ericsson*

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

### 6.4 Rel-17 Operations, Administration, Maintenance and Provisioning (OAM&P)

#### 6.4.1 Management of non-public networks

**S5-212073 pCR 28.557 Add 5GLAN group management in UE related management aspects**

*Type: pCR For: Approval  
 28.557 v0.3.0  
 Source: TELEFONICA S.A.*

**Decision:** The document was **revised to S5-212360**.

**S5-212360 pCR 28.557 Add 5GLAN group management in UE related management aspects**

*Type: pCR For: Approval  
 28.557 v0.3.0  
 Source: TELEFONICA S.A.*

(Replaces S5-212073)

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

**S5-212090 pCR 28.557 Applicability of management modes considering the deployment options of individual NPN functions.**

*Type: pCR For: Approval  
 28.557 v0.3.0  
 Source: TELEFONICA S.A.*

**Decision:** The document was **revised to S5-212361**.

**S5-212361 pCR 28.557 Applicability of management modes considering the deployment options of individual NPN functions.**

*Type: pCR For: Approval  
 28.557 v0.3.0  
 Source: TELEFONICA S.A.*

(Replaces S5-212090)

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

**S5-212138 pCR 28.557 Exposure of management capabilities**

*Type: pCR For: Approval  
 28.557 v0.3.0  
 Source: Huawei*

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

**S5-212139 pCR 28.557 Add requirements for management of PNI-NPN**

*Type: pCR For: Approval  
 28.557 v0.3.0  
 Source: Huawei*

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

**S5-212140 pCR 28.557 Add requirements for management of SNPN**

*Type: pCR For: Approval  
 28.557 v0.3.0  
 Source: Huawei*

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

**S5-212444 Latest draft TS 28.557**

*Type: draft TS For: Approval  
 28.557 v0.4.0  
 Source: Huawei*

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

#### 6.4.2 Enhancement on Management Aspects of 5G Service-Level Agreement

**S5-212037 Rel-17 Input to draftCR 28.541 Define performance requirements in different domains and update the related slice profile**

*Type: draftCR For: (not specified)  
 28.541 v17.1.0  
 Source: China Mobile Com. Corporation*

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

**S5-212079 Update the information model definitions for network slice NRM**

*Type: CR For: (not specified)  
 28.541 v17.1.0 CR-0459 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-212362**.

**S5-212362 Update the information model definitions for network slice NRM**

*Type: CR For: -  
 28.541 v17.1.0 CR-0459 rev 1 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-212079)

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

**S5-212141 Rel-17 Input to draftCR 28.541 Delete the PerfReq and add some attributes of original perfReq to RANSliceSubnetProfile**

*Type: other For: Approval  
 28.541 v..  
 Source: Huawei*

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

**S5-212272 Input to DraftCR 28.541 Discussion including perfRec mapping to domain specific attributes**

*Type: other For: Endorsement  
 28.541 v..  
 Source: Ericsson LM*

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

**S5-212275 Rel-17 Input to DraftCR 28.541 Define perfRec domain specific attributes**

*Type: other For: Approval  
 28.541 v..  
 Source: Ericsson LM*

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

**S5-212279 Updated WID Enhancement on Management Aspects of 5G Service-Level Agreement**

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

**Decision:** The document was **revised to S5-212373**.

**S5-212373 Updated WID Enhancement on Management Aspects of 5G Service-Level Agreement**

*Type: WID revised For: -  
 Source: Ericsson,Deutsche Telekom*

(Replaces S5-212279)

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

**S5-212280 Handling of slice input data**

*Type: CR For: (not specified)  
 28.530 v17.0.0 CR-0044 Cat: C (Rel-17)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-212374**.

**S5-212374 Handling of slice input data**

*Type: CR For: -  
 28.530 v17.0.0 CR-0044 rev 1 Cat: C (Rel-17)  
  
 Source: Ericsson,Deutsche Telekom*

(Replaces S5-212280)

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

**S5-212282 Rel-16 CR 28.541 Correction of ServiceProfile attributes**

*Type: CR For: Approval  
 28.541 v16.7.0 CR-0429 rev 2 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

(Replaces S5-211362)

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

#### 6.4.3 Management of MDT enhancement in 5G

**S5-212144 Add new MR-DC related requirements**

*Type: CR For: Approval  
 32.421 v17.0.0 CR-0098 Cat: B (Rel-17)  
  
 Source: Ericsson Japan K-K*

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

#### 6.4.4 Additional NRM features

**S5-212038 YANG NRM for Network Slicing**

*Type: CR For: Agreement  
 28.541 v17.1.0 CR-0458 Cat: B (Rel-17)  
  
 Source: Cisco Systems Belgium*

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

**S5-212088 Discussion paper: Modeling managed management entities**

*Type: discussion For: Endorsement  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-212089 Rel-17 CR 28.622 Clarify model for managed Management Functions**

*Type: CR For: Approval  
 28.622 v16.6.0 CR-0098 Cat: C (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-212301 Code begin end markers and longer prefix length**

*Type: CR For: Approval  
 32.160 v17.0.0 CR-0016 Cat: C (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-212324 YANG stage 3 for Slice management**

*Type: CR For: Agreement  
 28.541 v17.1.0 CR-0472 Cat: F (Rel-17)  
  
 Source: Ericsson*

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

#### 6.4.5 Enhancement of QoE Measurement Collection

**S5-212273 Adding Signalling Based Activation for UTRAN and LTE**

*Type: other For: Approval  
 28.405 v16.0.0  
 Source: Ericsson LM*

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

**S5-212440 DraftCR for eQoE - TS 28.405**

*Type: draftCR For: Approval  
 28.405 v16.0.0  
 Source: Ericsson*

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

#### 6.4.6 Enhancements of 5G performance measurements and KPIs

**S5-212055 Proposal to stop using draftCR for WI ePM\_KPI\_5G**

*Type: discussion For: Endorsement  
 Source: Intel*

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

**S5-212056 CR Rel-17 28.552 CR for WI ePM\_KPI\_5G converted from draftCR S5-211355**

*Type: CR For: Agreement  
 28.552 v17.1.0 CR-0288 Cat: B (Rel-17)  
  
 Source: Intel*

**Decision:** The document was **revised to S5-212365**.

**S5-212365 CR Rel-17 28.552 CR for WI ePM\_KPI\_5G converted from draftCR S5-211355**

*Type: CR For: Agreement  
 28.552 v17.1.0 CR-0288 rev 1 Cat: B (Rel-17)  
  
 Source: Intel*

(Replaces S5-212056)

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

**S5-212057 CR Rel-17 28.552 Add measurements related data management for UDR**

*Type: CR For: Agreement  
 28.552 v17.1.0 CR-0289 Cat: B (Rel-17)  
  
 Source: Intel*

**Decision:** The document was **revised to S5-212366**.

**S5-212366 CR Rel-17 28.552 Add measurements related data management for UDR**

*Type: CR For: Agreement  
 28.552 v17.1.0 CR-0289 rev 1 Cat: B (Rel-17)  
  
 Source: Intel*

(Replaces S5-212057)

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

**S5-212058 CR Rel-17 28.552 Add measurements related to background data transfer policy control for PCF**

*Type: CR For: Agreement  
 28.552 v17.1.0 CR-0290 Cat: B (Rel-17)  
  
 Source: Intel*

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

**S5-212067 Rel-17 CR 28.552 Add measurements to cover all accessibility types**

*Type: CR For: Approval  
 28.552 v17.1.0 CR-0291 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-212367**.

**S5-212367 Rel-17 CR 28.552 Add measurements to cover all accessibility types**

*Type: CR For: Approval  
 28.552 v17.1.0 CR-0291 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-212067)

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

**S5-212068 Rel-17 CR 28.554 Update the Accessibility KPI to cover RRC Resume**

*Type: CR For: Approval  
 28.554 v17.1.1 CR-0075 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

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

#### 6.4.7 Management of the enhanced tenant concept

#### 6.4.8 Management data collection control and discovery

**S5-212066 Simplified Request for Data Collection**

*Type: discussion For: Endorsement  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-212382**.

**S5-212382 Simplified Request for Data Collection**

*Type: discussion For: Endorsement  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-212066)

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

**S5-212081 Rel-17 Input to DraftCR 28.537 Add management data management requirements**

*Type: other For: Approval  
 28.537 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-212384**.

**S5-212384 Rel-17 Input to DraftCR 28.537 Add management data management requirements**

*Type: other For: Approval  
 28.537 v..  
 Source: Nokia, Nokia Shanghai Bell,Deutsche Telekom*

(Replaces S5-212081)

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

**S5-212085 Rel-17 Input to DraftCR 28.537 Add management data management requirements (pictures and video)**

*Type: other For: Approval  
 28.537 v..  
 Source: Nokia, Nokia Shanghai Bell,*

**Decision:** The document was **revised to S5-212385**.

**S5-212385 Rel-17 Input to DraftCR 28.537 Add management data management requirements (pictures and video)**

*Type: other For: Approval  
 28.537 v..  
 Source: Nokia, Nokia Shanghai Bell,Deutsche Telekom*

(Replaces S5-212085)

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

**S5-212086 Rel-17 Input to DraftCR 28.537 Add management data management requirements (“easy-to-use” data request job)**

*Type: other For: Approval  
 28.537 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-212383**.

**S5-212383 Rel-17 Input to DraftCR 28.537 Add management data management requirements (“easy-to-use” data request job)**

*Type: other For: Approval  
 28.537 v..  
 Source: Nokia, Nokia Shanghai Bell,Deutsche Telekom*

(Replaces S5-212086)

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

**S5-212087 Rel-17 Input to DraftCR 28.622 Add data store control NRM fragment**

*Type: other For: Approval  
 28.537 v..  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-212441 DraftCR for MADCOL TS 28.537**

*Type: draftCR For: Approval  
 28.537 v16.0.0  
 Source: Nokia*

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

#### 6.4.9 Autonomous network levels

**S5-212205 pCR TS 28.100 Add autonomous network level for RAN NE deployment**

*Type: pCR For: Approval  
 28.100 v0.3.0  
 Source: Huawei,China Mobile,China Telecom,China Unicom*

**Decision:** The document was **revised to S5-212386**.

**S5-212386 pCR TS 28.100 Add autonomous network level for RAN NE deployment**

*Type: pCR For: Approval  
 28.100 v0.3.0  
 Source: Huawei,China Mobile,China Telecom,China Unicom*

(Replaces S5-212205)

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

**S5-212206 pCR TS 28.100 Add autonomous network level for RAN UE throughput optimization**

*Type: pCR For: Approval  
 28.100 v0.3.0  
 Source: Huawei,China Mobile,China Telecom,China Unicom*

**Decision:** The document was **revised to S5-212387**.

**S5-212387 pCR TS 28.100 Add autonomous network level for RAN UE throughput optimization**

*Type: pCR For: Approval  
 28.100 v0.3.0  
 Source: Huawei,China Mobile,China Telecom,China Unicom*

(Replaces S5-212206)

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

**S5-212245 pCR 28.100 Add definition of network and service planning**

*Type: pCR For: Approval  
 28.100 v0.3.0  
 Source: China Mobile, Huawei, China Telecom, China Unicom*

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

**S5-212246 pCR 28.100 Update Clause 4.1 Autonomous network concept**

*Type: pCR For: Approval  
 28.100 v0.3.0  
 Source: China Mobile, Huawei, China Telecom, China Unicom*

**Decision:** The document was **revised to S5-212388**.

**S5-212388 pCR 28.100 Update Clause 4.1 Autonomous network concept**

*Type: pCR For: Approval  
 28.100 v0.3.0  
 Source: China Mobile, Huawei, China Telecom, China Unicom*

(Replaces S5-212246)

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

**S5-212247 pCR 28.100 Add generic classification of autonomous network level for network optimization**

*Type: pCR For: Approval  
 28.100 v0.3.0  
 Source: China Mobile, Huawei, China Telecom, China Unicom*

**Decision:** The document was **revised to S5-212389**.

**S5-212389 pCR 28.100 Add generic classification of autonomous network level for network optimization**

*Type: pCR For: Approval  
 28.100 v0.3.0  
 Source: China Mobile, Huawei, China Telecom, China Unicom*

(Replaces S5-212247)

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

**S5-212248 LS to TM Forum on introduction of 3GPP Autonomous Network Levels**

*Type: LS out For: Approval  
 to TM Forum  
 Source: China Mobile*

**Decision:** The document was **revised to S5-212390**.

**S5-212390 LS to TM Forum on introduction of 3GPP Autonomous Network Levels**

*Type: LS out For: Approval  
 to TM Forum, cc 3GPP SA, ITU-T (FG-AN), ETSI (AN initiative, ZSM, NFV, ENI, F5G), IETF  
 Source: China Mobile*

(Replaces S5-212248)

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

**S5-212429 Latest draft TS 28.100**

*Type: draft TS For: Approval  
 28.100 v0.4.0  
 Source: China Mobile*

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

#### 6.4.10 Intent driven management service for mobile networks

**S5-212091 pCR TS 28.312 Add conceptual description for intent MnS**

*Type: pCR For: Approval  
 28.312 v0.3.0  
 Source: Nokia*

**Decision:** The document was **revised to S5-212391**.

**S5-212391 pCR TS 28.312 Add conceptual description for intent MnS**

*Type: pCR For: Approval  
 28.312 v0.3.0  
 Source: Nokia*

(Replaces S5-212091)

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

**S5-212101 pCR TS 28.312 Add capabilities of an intent Driven MnS**

*Type: pCR For: Approval  
 28.312 v0.3.0  
 Source: Nokia*

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

**S5-212207 pCR TS 28.312 Add concept for intent lifecycle management**

*Type: pCR For: Approval  
 28.312 v0.3.0  
 Source: Huawei,China Mobile*

(Replaces S5-211222)

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

**S5-212208 pCR TS 28.312 Add stage 2 information model definition for intent**

*Type: pCR For: Approval  
 28.312 v0.3.0  
 Source: Huawei,China Mobile*

(Replaces S5-211223)

**Decision:** The document was **revised to S5-212443**.

**S5-212443 pCR TS 28.312 Add stage 2 information model definition for intent**

*Type: pCR For: Approval  
 28.312 v0.3.0  
 Source: Huawei,China Mobile*

(Replaces S5-212208)

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

**S5-212209 pCR TS 28.312 Add stage 2 procedure for intent lifecycle management**

*Type: pCR For: Approval  
 28.312 v0.3.0  
 Source: Huawei,China Mobile*

(Replaces S5-211225)

**Decision:** The document was **revised to S5-212442**.

**S5-212442 pCR TS 28.312 Add stage 2 procedure for intent lifecycle management**

*Type: pCR For: Approval  
 28.312 v0.3.0  
 Source: Huawei,China Mobile*

(Replaces S5-212209)

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

**S5-212210 pCR TS 28.312 Add stage 2 management operation for intent**

*Type: pCR For: Approval  
 28.312 v0.3.0  
 Source: Huawei,China Mobile*

(Replaces S5-211224)

**Decision:** The document was **revised to S5-212392**.

**S5-212392 pCR TS 28.312 Add stage 2 management operation for intent**

*Type: pCR For: Approval  
 28.312 v0.3.0  
 Source: Huawei,China Mobile*

(Replaces S5-212210)

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

**S5-212218 pCR 28.312 Requirement of Intent for service at edge**

*Type: pCR For: Agreement  
 28.312 v0.3.0  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **revised to S5-212448**.

**S5-212448 pCR 28.312 Requirement of Intent for service at edge**

*Type: pCR For: Agreement  
 28.312 v0.3.0  
 Source: Samsung R&D Institute UK*

(Replaces S5-212218)

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

**S5-212430 Latest draft TS 28.312**

*Type: draft TS For: Approval  
 28.312 v0.4.0  
 Source: Huawei*

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

#### 6.4.11 Network policy management for 5G mobile networks based on NFV scenarios

**S5-212111 pCR 28.555 add specification level requirement**

*Type: pCR For: (not specified)  
 28.555 v1.1.0  
 Source: China Mobile Com. Corporation*

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

**S5-212112 pCR 28.555 add specification level use cases-policy deletion**

*Type: pCR For: (not specified)  
 28.555 v1.1.0  
 Source: China Mobile Com. Corporation*

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

**S5-212113 pCR 28.555 add specification level use cases-policy update**

*Type: pCR For: (not specified)  
 28.555 v1.1.0  
 Source: China Mobile Com. Corporation*

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

**S5-212114 pCR 28.555 add specification level use cases-policy query**

*Type: pCR For: (not specified)  
 28.555 v1.1.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-212395**.

**S5-212395 pCR 28.555 add specification level use cases-policy query**

*Type: pCR For: -  
 28.555 v1.1.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-212114)

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

**S5-212115 pCR 28.555 add specification level use cases-policy activation**

*Type: pCR For: (not specified)  
 28.555 v1.1.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-212393**.

**S5-212393 pCR 28.555 add specification level use cases-policy activation**

*Type: pCR For: -  
 28.555 v1.1.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-212115)

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

**S5-212116 pCR 28.555 add specification level use cases-policy deactivation**

*Type: pCR For: (not specified)  
 28.555 v1.1.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-212394**.

**S5-212394 pCR 28.555 add specification level use cases-policy deactivation**

*Type: pCR For: -  
 28.555 v1.1.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-212116)

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

**S5-212117 pCR 28.555 add specification level use cases-policy conflicts notification**

*Type: pCR For: (not specified)  
 28.555 v1.1.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-212396**.

**S5-212396 pCR 28.555 add specification level use cases-policy conflicts notification**

*Type: pCR For: -  
 28.555 v1.1.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-212117)

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

**S5-212431 Latest draft TS 28.555**

*Type: draft TS For: Approval  
 28.555 v1.2.0  
 Source: China Mobile*

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

#### 6.4.12 Enhanced Closed loop SLS Assurance

**S5-212119 DP on assurance policy for closed control loop**

*Type: discussion For: Approval  
 28.536 v..  
 Source: Huawei Technologies Japan K.K.*

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

**S5-212120 DP on assurance report for closed control loop**

*Type: discussion For: Approval  
 28.536 v..  
 Source: Huawei Technologies Japan K.K.*

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

**S5-212121 Rel-17 Input to draftCR TS 28.536 Add assurance policy for closed control loop**

*Type: draftCR For: Agreement  
 28.536 v16.2.1  
 Source: Huawei Technologies Japan K.K.*

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

**S5-212122 Rel-17 Input to draftCR TS 28.536 Add assurance report for closed control loop**

*Type: draftCR For: Agreement  
 28.536 v16.2.1  
 Source: Huawei Technologies Japan K.K.*

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

**S5-212123 Rel-17 Input to draftCR TS 28.535 Configure policies for closed control loop**

*Type: draftCR For: Agreement  
 28.535 v17.0.0  
 Source: Huawei Technologies Japan K.K.*

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

**S5-212196 Add requirements of closed loop SLS assurance**

*Type: CR For: Approval  
 28.530 v17.0.0 CR-0043 Cat: B (Rel-17)  
  
 Source: Huawei Telecommunication India*

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

**S5-212294 Rel 17 CR TS28.535 Add Use Case on ACCL Goal translation**

*Type: CR For: Decision  
 28.535 v17.0.0 CR-0034 Cat: B (Rel-17)  
  
 Source: Lenovo, Motorola Mobility*

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

**S5-212296 Rel 17 CR TS28.536 Solution for configuring conditions for ACCL state change**

*Type: CR For: (not specified)  
 28.536 v16.2.1 CR-0026 Cat: B (Rel-17)  
  
 Source: Lenovo, Motorola Mobility*

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

**S5-212299 Rel 17 draft CR TS28.536 Solution for pausing a closed loop**

*Type: other For: (not specified)  
 Source: Lenovo, Motorola Mobility*

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

**S5-212300 Input to eCOSLA draft CR S5-211358**

*Type: other For: Approval  
 28.535 v..  
 Source: Ericsson LM, Deutsche Telekom AG*

**Decision:** The document was **revised to S5-212397**.

**S5-212397 Input to eCOSLA draft CR S5-211358**

*Type: other For: Approval  
 28.535 v..  
 Source: Ericsson LM, Deutsche Telekom AG*

(Replaces S5-212300)

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

**S5-212303 Add editors note to clause 5.1.3 and 5.1.4**

*Type: CR For: Approval  
 28.535 v17.0.0 CR-0038 Cat: F (Rel-17)  
  
 Source: Ericsson LM, Deutsche Telekom AG, Huawei*

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

**S5-212304 Add lifecycle of closed control loop and clarify relationship between CSA and intent**

*Type: CR For: Approval  
 28.535 v17.0.0 CR-0039 Cat: B (Rel-17)  
  
 Source: Ericsson LM, Deutsche Telekom AG*

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

**S5-212439 DraftCR for eCOSLA - TS 28.535**

*Type: draftCR For: Approval  
 28.535 v17.0.0  
 Source: Ericsson*

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

#### 6.4.13 Self-Organizing Networks (SON) for 5G networks

**S5-212291 Requirements, use cases and services for C-PCI**

*Type: CR For: Approval  
 28.313 v17.0.0 CR-0017 Cat: B (Rel-18)  
  
 Source: Ericsson France S.A.S*

**Decision:** The document was **revised to S5-212306**.

**S5-212306 Requirements, use cases and services for C-PCI**

*Type: CR For: Approval  
 28.313 v17.0.0 CR-0017 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson France S.A.S*

(Replaces S5-212291)

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

#### 6.4.14 Enhancement of Handover Optimization

**S5-212290 CHO measurements**

*Type: CR For: Approval  
 28.552 v17.1.0 CR-0287 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson France S.A.S*

(Replaces S5-211322)

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

#### 6.4.15 Enhancements on EE for 5G networks

**S5-212128 Rel-17 CR TS 28.310 Add use case and requirements for switching off edge UPFs**

*Type: CR For: Agreement  
 28.310 v16.3.0 CR-0010 Cat: B (Rel-17)  
  
 Source: Orange, AT&T, Deutsche Telekom,Telefonica*

**Decision:** The document was **revised to S5-212398**.

**S5-212398 Rel-17 CR TS 28.310 Add use case and requirements for switching off edge UPFs**

*Type: CR For: Agreement  
 28.310 v16.3.0 CR-0010 rev 1 Cat: B (Rel-17)  
  
 Source: Orange, AT&T, Deutsche Telekom,Telefonica*

(Replaces S5-212128)

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

#### 6.4.16 Discovery of management services in 5G

**S5-212082 TS 28.533 Add Management Service Type**

*Type: draftCR For: (not specified)  
 28.533 v16.6.0  
 Source: China Mobile Com. Corporation*

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

**S5-212083 Discussion on AddMnSType**

*Type: discussion For: Endorsement  
 Source: China Mobile Com. Corporation*

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

**S5-212084 Discussion on AddMnSType**

*Type: discussion For: (not specified)  
 Source: China Mobile Com. Corporation*

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

**S5-212223 Rel-17 CR 28.533 Add operations for discovery of management services**

*Type: other For: Agreement  
 28.533 v..  
 Source: Huawei*

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

**S5-212224 Rel-17 CR 28.532 Add operations for discovery of management services**

*Type: CR For: Agreement  
 28.532 v16.6.0 CR-0169 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-212225 Revised WID on Discovery of management services in 5G**

*Type: WID revised For: Agreement  
 Source: Huawei*

**Decision:** The document was **revised to S5-212399**.

**S5-212399 Revised WID on Discovery of management services in 5G**

*Type: WID revised For: Agreement  
 Source: Huawei*

(Replaces S5-212225)

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

#### 6.4.17 Management Aspects of 5G Network Sharing

**S5-212130 Rel-17 CR TS 28.552 Add PLMN granularity for RRC connection number measurements**

*Type: CR For: Agreement  
 28.552 v17.1.0 CR-0294 Cat: B (Rel-17)  
  
 Source: China Telecom Corporation Ltd.*

**Decision:** The document was **revised to S5-212400**.

**S5-212400 Rel-17 CR TS 28.552 Add PLMN granularity for RRC connection number measurements**

*Type: CR For: Agreement  
 28.552 v17.1.0 CR-0294 rev 1 Cat: B (Rel-17)  
  
 Source: China Telecom Corporation Ltd.*

(Replaces S5-212130)

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

**S5-212156 Rel-17 CR TS 28.552 Add PLMN granularity for packet delay measurements in split gNB scenario**

*Type: CR For: Agreement  
 28.552 v17.1.0 CR-0295 Cat: B (Rel-17)  
  
 Source: China Telecom Corporation Ltd., Ericsson*

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

**S5-212193 LS from SA5 to RAN2,RAN3 on network sharing with multiple SSB**

*Type: LS out For: Approval  
 to RAN2, RAN3  
 Source: ZTE*

**Decision:** The document was **revised to S5-212403**.

**S5-212403 LS from SA5 to RAN2,RAN3 on network sharing with multiple SSB**

*Type: LS out For: Approval  
 to RAN2, RAN3  
 Source: ZTE*

(Replaces S5-212193)

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

**S5-212195 Discussion on NRM enhancement to support NG-RAN network sharing**

*Type: discussion For: Endorsement  
 Source: ZTE*

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

**S5-212197 Rel-17 CR TS 28.541 Enhance the NRM definitions to support NG-RAN network sharing**

*Type: CR For: Agreement  
 28.541 v17.1.0 CR-0462 Cat: B (Rel-17)  
  
 Source: ZTE*

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

**S5-212211 Rel-17 CR TS 32.130 Add business level requirements for NG-RAN MOCN network sharing**

*Type: CR For: Agreement  
 32.130 v16.0.0 CR-0008 Cat: B (Rel-17)  
  
 Source: Huawei,China Telecom,China Unicom*

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

**S5-212212 Rel-17 CR TS 32.130 Update role definition and business requirements for network sharing**

*Type: CR For: Agreement  
 32.130 v16.0.0 CR-0009 Cat: B (Rel-17)  
  
 Source: Huawei,China Telecom,China Unicom*

**Decision:** The document was **revised to S5-212402**.

**S5-212402 Rel-17 CR TS 32.130 Update role definition and business requirements for network sharing**

*Type: CR For: Agreement  
 32.130 v16.0.0 CR-0009 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei,China Telecom,China Unicom*

(Replaces S5-212212)

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

**S5-212214 Discussion on NG-RAN network sharing with multiple CellId**

*Type: discussion For: Endorsement  
 Source: ZTE, China Unicom*

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

**S5-212216 Rel-17 CR TS 32.130 add NG-RAN sharing deployment example in Annex**

*Type: CR For: Agreement  
 32.130 v16.0.0 CR-0010 Cat: B (Rel-17)  
  
 Source: ZTE*

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

**S5-212234 Discussion on support RRC connection number measurements per PLMN in MOCN network sharing**

*Type: discussion For: Endorsement  
 Source: China Telecom Corporation Ltd.*

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

**S5-212249 Rel-17 CR 28.552 Add Filter and Filter naming description**

*Type: CR For: Approval  
 28.552 v17.1.0 CR-0296 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-212401**.

**S5-212401 Rel-17 CR 28.552 Add Filter and Filter naming description**

*Type: CR For: Approval  
 28.552 v17.1.0 CR-0296 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-212249)

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

**S5-212270 RAN Sharing NRM support for MOCN**

*Type: CR For: Approval  
 28.541 v17.1.0 CR-0468 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

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

### 6.5 OAM&P Studies

#### 6.5.1 Study on management and orchestration aspects with integrated satellite components in a 5G network

**S5-212044 Reference architecture for the management of integrated satellite transport network for backhaul**

*Type: pCR For: Approval  
 28.808 v1.1.0  
 Source: Airbus*

**Abstract:**

This contribution proposes the inclusion of satellite backhaul management architecture in the concept and background considered in the “Study on management and orchestration aspects with integrated satellite components in a 5G network” FS\_5GSAT\_MO

**Decision:** The document was **revised to S5-212404**.

**S5-212404 Reference architecture for the management of integrated satellite transport network for backhaul**

*Type: pCR For: Approval  
 28.808 v1.1.0  
 Source: Airbus*

(Replaces S5-212044)

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

**S5-212045 Two architecture scenarios for 5G networks with an integrated satellite transport network for backhaul**

*Type: pCR For: Approval  
 28.808 v1.1.0  
 Source: Airbus;*

**Abstract:**

This contribution proposes to add two satellite backhaul architecture scenarios in the concept and background considered in the “Study on management and orchestration aspects with integrated satellite components in a 5G network” FS\_5GSAT\_MO

**Decision:** The document was **revised to S5-212405**.

**S5-212405 Two architecture scenarios for 5G networks with an integrated satellite transport network for backhaul**

*Type: pCR For: Approval  
 28.808 v1.1.0  
 Source: Airbus;*

(Replaces S5-212045)

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

**S5-212232 Presentation sheet for approval of TR28.808**

*Type: TS or TR cover For: Approval  
 28.808 v1.1.0  
 Source: TNO*

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

**S5-212432 Latest draft TR 28.808**

*Type: draft TR For: Approval  
 28.808 v1.2.0  
 Source: TNO*

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

#### 6.5.2 Study on new aspects of EE for 5G networks

**S5-212065 pCR 28.813: Update Resource Consumption Estimation Methods**

*Type: pCR For: Approval  
 28.813 v0.4.0  
 Source: China Telecom Corporation Ltd.*

**Abstract:**

This contribution proposes update the ResourceConsumption5GC Estimation

**Decision:** The document was **revised to S5-212406**.

**S5-212406 pCR 28.813: Update Resource Consumption Estimation Methods**

*Type: pCR For: Approval  
 28.813 v0.4.0  
 Source: China Telecom Corporation Ltd.*

(Replaces S5-212065)

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

**S5-212126 pCR TR 28.813 EE KPI definition for RAN-only eMBB network slice**

*Type: pCR For: Approval  
 28.813 v0.4.0  
 Source: Orange, AT&T, Deutsche Telekom*

**Decision:** The document was **revised to S5-212407**.

**S5-212407 pCR TR 28.813 EE KPI definition for RAN-only eMBB network slice**

*Type: pCR For: Approval  
 28.813 v0.4.0  
 Source: Orange, AT&T, Deutsche Telekom*

(Replaces S5-212126)

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

**S5-212127 pCR TR 28.813 Potential solution for KI#5 (5GC NF Energy Consumption)**

*Type: pCR For: Approval  
 28.813 v0.4.0  
 Source: Orange, Intel, AT&T, Nokia, Deutsche Telekom*

**Decision:** The document was **revised to S5-212408**.

**S5-212408 pCR TR 28.813 Potential solution for KI#5 (5GC NF Energy Consumption)**

*Type: pCR For: Approval  
 28.813 v0.4.0  
 Source: Orange, Intel, AT&T, Nokia, Deutsche Telekom*

(Replaces S5-212127)

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

**S5-212137 pCR 28.813 Update on EE KPI for URLLC type of network slice**

*Type: pCR For: Approval  
 28.813 v0.4.0  
 Source: Huawei, China Telecom*

**Decision:** The document was **revised to S5-212409**.

**S5-212409 pCR 28.813 Update on EE KPI for URLLC type of network slice**

*Type: pCR For: Approval  
 28.813 v0.4.0  
 Source: Huawei, China Telecom*

(Replaces S5-212137)

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

**S5-212231 New Key Issue: SLS assurance for EE**

*Type: pCR For: Approval  
 28.813 v0.4.0  
 Source: Huawei Telecommunication India*

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

**S5-212236 pCR TR 28.813 New Key Issue: SLS assurance for EE**

*Type: pCR For: Approval  
 28.813 v0.4.0  
 Source: Huawei Telecommunication India*

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

**S5-212433 Latest draft TR 28.813**

*Type: draft TR For: Approval  
 28.813 v0.5.0  
 Source: ORANGE*

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

#### 6.5.3 Study on management aspects of edge computing

**S5-212030 pCR 28.814 clarification of 3GPP management system**

*Type: pCR For: Approval  
 28.814 v0.3.0  
 Source: Intel Corporation Italia SpA*

**Decision:** The document was **revised to S5-212416**.

**S5-212416 pCR 28.814 clarification of 3GPP management system**

*Type: pCR For: Approval  
 28.814 v0.3.0  
 Source: Intel Corporation Italia SpA*

(Replaces S5-212030)

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

**S5-212031 pCR 28.814 UC of UPF selection to support EAS deployment**

*Type: pCR For: Approval  
 28.814 v0.3.0  
 Source: Intel Corporation Italia SpA*

**Decision:** The document was **revised to S5-212410**.

**S5-212410 pCR 28.814 UC of UPF selection to support EAS deployment**

*Type: pCR For: Approval  
 28.814 v0.3.0  
 Source: Intel Corporation Italia SpA*

(Replaces S5-212031)

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

**S5-212032 pCR 28.814 add solutions for UPF selection to assist EAS deployment**

*Type: pCR For: Approval  
 28.814 v0.3.0  
 Source: Intel Corporation Italia SpA*

**Decision:** The document was **revised to S5-212411**.

**S5-212411 pCR 28.814 add solutions for UPF selection to assist EAS deployment**

*Type: pCR For: Approval  
 28.814 v0.3.0  
 Source: Intel Corporation Italia SpA*

(Replaces S5-212032)

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

**S5-212040 pCR 28.814 5GC NF performance assurance use case**

*Type: pCR For: Approval  
 28.814 v0.3.0  
 Source: Intel Corporation Italia SpA*

**Decision:** The document was **revised to S5-212412**.

**S5-212412 pCR 28.814 5GC NF performance assurance use case**

*Type: pCR For: Approval  
 28.814 v0.3.0  
 Source: Intel Corporation Italia SpA*

(Replaces S5-212040)

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

**S5-212041 pCR 28.814 5GC NF performance assurance solution**

*Type: pCR For: Approval  
 28.814 v0.3.0  
 Source: Intel Corporation Italia SpA*

**Decision:** The document was **revised to S5-212413**.

**S5-212413 pCR 28.814 5GC NF performance assurance solution**

*Type: pCR For: Approval  
 28.814 v0.3.0  
 Source: Intel Corporation Italia SpA*

(Replaces S5-212041)

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

**S5-212042 pCR 28.814 5GC NF fault supervision use case**

*Type: pCR For: Approval  
 28.814 v0.3.0  
 Source: Intel Corporation Italia SpA*

**Decision:** The document was **revised to S5-212414**.

**S5-212414 pCR 28.814 5GC NF fault supervision use case**

*Type: pCR For: Approval  
 28.814 v0.3.0  
 Source: Intel Corporation Italia SpA*

(Replaces S5-212042)

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

**S5-212043 pCR 28.814 5GC NF fault supervision solution**

*Type: pCR For: Approval  
 28.814 v0.3.0  
 Source: Intel Corporation Italia SpA*

**Decision:** The document was **revised to S5-212415**.

**S5-212415 pCR 28.814 5GC NF fault supervision solution**

*Type: pCR For: Approval  
 28.814 v0.3.0  
 Source: Intel Corporation Italia SpA*

(Replaces S5-212043)

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

**S5-212226 pCR 28.814 correct EAS deployment UC**

*Type: pCR For: Approval  
 28.814 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-212447**.

**S5-212447 pCR 28.814 correct EAS deployment UC**

*Type: pCR For: Approval  
 28.814 v0.3.0  
 Source: Huawei*

(Replaces S5-212226)

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

**S5-212227 pCR 28.814 correct EES and ECS deployment requirement**

*Type: pCR For: Approval  
 28.814 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-212417**.

**S5-212417 pCR 28.814 correct EES and ECS deployment requirement**

*Type: pCR For: Approval  
 28.814 v0.3.0  
 Source: Huawei*

(Replaces S5-212227)

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

**S5-212228 pCR 28.814 correct EAS deployment solution**

*Type: pCR For: Approval  
 28.814 v0.3.0  
 Source: Huawei*

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

**S5-212434 Latest draft TR 28.814**

*Type: draft TR For: Approval  
 28.814 v0.4.0  
 Source: Intel*

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

#### 6.5.4 Study on enhancement of Management Data Analytics Service

**S5-212035 pCR TR 28.809 Add reference to ITU-T draft Rec. M.resm-AI**

*Type: pCR For: Approval  
 28.809 v1.2.0  
 Source: Orange, Intel*

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

**S5-212049 pCR 28.809 Add evaluation for cross-slice resource optimization**

*Type: pCR For: Approval  
 28.809 v1.2.0  
 Source: Intel Sweden AB*

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

**S5-212050 pCR 28.809 Add evaluation for RAN user plane congestion analysis**

*Type: pCR For: Approval  
 28.809 v1.2.0  
 Source: Intel Sweden AB*

**Decision:** The document was **revised to S5-212419**.

**S5-212419 pCR 28.809 Add evaluation for RAN user plane congestion analysis**

*Type: pCR For: Approval  
 28.809 v1.2.0  
 Source: Intel Sweden AB*

(Replaces S5-212050)

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

**S5-212051 pCR 28.809 Add evaluation for UE throughput in network slice analysis**

*Type: pCR For: Approval  
 28.809 v1.2.0  
 Source: Intel Sweden AB*

**Decision:** The document was **revised to S5-212420**.

**S5-212420 pCR 28.809 Add evaluation for UE throughput in network slice analysis**

*Type: pCR For: Approval  
 28.809 v1.2.0  
 Source: Intel Sweden AB*

(Replaces S5-212051)

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

**S5-212052 pCR 28.809 Update and evaluate the solution for jitter analysis**

*Type: pCR For: Approval  
 28.809 v1.2.0  
 Source: Intel Sweden AB*

**Decision:** The document was **revised to S5-212421**.

**S5-212421 pCR 28.809 Update and evaluate the solution for jitter analysis**

*Type: pCR For: Approval  
 28.809 v1.2.0  
 Source: Intel Sweden AB*

(Replaces S5-212052)

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

**S5-212053 pCR 28.809 Update and evaluate the mobility performance analysis**

*Type: pCR For: Approval  
 28.809 v1.2.0  
 Source: Intel Sweden AB*

**Decision:** The document was **revised to S5-212422**.

**S5-212422 pCR 28.809 Update and evaluate the mobility performance analysis**

*Type: pCR For: Approval  
 28.809 v1.2.0  
 Source: Intel Sweden AB*

(Replaces S5-212053)

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

**S5-212054 Presentation of TR 28.809 for approval**

*Type: TS or TR cover For: Approval  
 28.809 v2.0.0  
 Source: Intel Sweden AB*

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

**S5-212060 pCR 28.809 Add general conclusions and recommendations**

*Type: pCR For: Approval  
 28.809 v1.1.0  
 Source: Intel, HUAWEI*

**Decision:** The document was **revised to S5-212446**.

**S5-212446 pCR 28.809 Add general conclusions and recommendations**

*Type: pCR For: Approval  
 28.809 v1.1.0  
 Source: Intel, HUAWEI*

(Replaces S5-212060)

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

**S5-212102 Report Validation**

*Type: pCR For: Approval  
 28.809 v1.2.0  
 Source: Nokia Germany*

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

**S5-212103 Report Validation**

*Type: pCR For: Approval  
 28.809 v1.2.0  
 Source: Nokia Germany, Ericsson, Intel*

**Decision:** The document was **revised to S5-212445**.

**S5-212445 Report Validation**

*Type: pCR For: Approval  
 28.809 v1.2.0  
 Source: Nokia Germany, Ericsson, Intel*

(Replaces S5-212103)

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

**S5-212106 Enahancing analytics request and reporting use case**

*Type: pCR For: Approval  
 28.809 v1.2.0  
 Source: Nokia Germany*

**Decision:** The document was **revised to S5-212418**.

**S5-212418 Enahancing analytics request and reporting use case**

*Type: pCR For: Approval  
 28.809 v1.2.0  
 Source: Nokia Germany*

(Replaces S5-212106)

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

**S5-212118 SOD on MDAS use cases**

*Type: other For: Information  
 Source: Huawei Technologies (Korea)*

(Replaces S5-211085)

**Decision:** The document was **revised to S5-212423**.

**S5-212423 SOD on MDAS use cases**

*Type: discussion For: Information  
 Source: Huawei Technologies (Korea)*

(Replaces S5-212118)

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

**S5-212142 pCR 28.809 Update on MDA assisted energy saving**

*Type: pCR For: (not specified)  
 28.809 v1.2.0  
 Source: China Telecom Corporation Ltd.*

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

**S5-212143 pCR 28.809 Update the MDA process and Add Feedback Use case**

*Type: pCR For: (not specified)  
 28.809 v1.2.0  
 Source: China Telecom Corporation Ltd.*

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

**S5-212158 pCR 28.809 update descriptions of MDA process**

*Type: pCR For: Approval  
 28.809 v1.2.0  
 Source: HuaWei Technologies Co., Ltd*

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

**S5-212160 pCR 28.809 Add MDA job creation and data reporting use cases**

*Type: pCR For: Approval  
 28.809 v1.2.0  
 Source: HuaWei Technologies Co., Ltd*

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

**S5-212191 pCR 28.809 Update descriptions of MDA overview architecture**

*Type: pCR For: Approval  
 28.809 v1.2.0  
 Source: HuaWei Technologies Co., Ltd*

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

**S5-212229 pCR 28.809 re-arranging paging UC**

*Type: pCR For: Agreement  
 28.809 v1.2.0  
 Source: Samsung R&D Institute UK*

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

**S5-212230 pCR 28.809 re-arranging traffic projection UC**

*Type: pCR For: Agreement  
 28.809 v1.2.0  
 Source: Samsung R&D Institute UK*

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

**S5-212233 pCR 28.809 re-arranging software upgrade UC**

*Type: pCR For: Agreement  
 28.809 v1.2.0  
 Source: Samsung R&D Institute UK*

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

**S5-212269 ML Model training report**

*Type: pCR For: Approval  
 28.809 v1.2.0  
 Source: Nokia Germany*

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

**S5-212435 Latest draft TR 28.809**

*Type: draft TR For: Approval  
 28.809 v1.3.0  
 Source: Intel*

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

#### 6.5.5 Study on network slice management enhancement (revised to include security aspects)

**S5-212250 pCR 28.811 Enhancement of operations for network slice management**

*Type: pCR For: Approval  
 28.811 v0.3.0  
 Source: Ericsson LM*

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

**S5-212281 pCR 28.811 Addition of national roaming scenario**

*Type: pCR For: Approval  
 28.811 v0.3.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-212424**.

**S5-212424 pCR 28.811 Addition of national roaming scenario**

*Type: pCR For: Approval  
 28.811 v0.3.0  
 Source: Ericsson LM*

(Replaces S5-212281)

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

**S5-212436 Latest draft TR 28.811**

*Type: draft TR For: Approval  
 28.811 v0.4.0  
 Source: Huawei*

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

#### 6.5.6 Study on YANG PUSH

**S5-212039 Functionality of YANG-Push**

*Type: pCR For: Approval  
 28.818 v0.0.0  
 Source: Ericsson Hungary Ltd*

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

**S5-212284 Using YANG-Push**

*Type: pCR For: Approval  
 28.818 v0.0.0  
 Source: Ericsson Hungary Ltd*

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

**S5-212286 YANG-Push Impact on Specifications**

*Type: pCR For: Approval  
 28.818 v0.0.0  
 Source: Ericsson Hungary Ltd*

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

#### 6.5.7 Study on access control for management service

**S5-212241 28.817 use case - granular access control by operator**

*Type: pCR For: Approval  
 28.817 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-212242 28.817 use case - integrate with existing AAA system of operator**

*Type: pCR For: Approval  
 28.817 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-212243 28.817 use case - trust relationship between MnS producer and consumer**

*Type: pCR For: Approval  
 28.817 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-212425**.

**S5-212425 28.817 use case - trust relationship between MnS producer and consumer**

*Type: pCR For: Approval  
 28.817 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-212243)

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

**S5-212437 Latest draft TR 28.817**

*Type: draft TR For: Approval  
 28.817 v0.2.0  
 Source: Nokia*

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

## 7 Charging

### 7.1 Charging Plenary

**S5-212008 CH agenda and time plan**

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

**Decision:** The document was **revised to S5-212458**.

**S5-212458 CH agenda and time plan**

*Type: agenda For: -  
 Source: WG vice Chair (Nokia)*

(Replaces S5-212008)

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

**S5-212009 Charging exec report**

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

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

**S5-212305 LS from WSOLU to 3GPP SA5 - 5G charging architecture for wholesale scenarios**

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

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

**S5-212501 List of approved DraftCRs**

*Type: discussion For: Information  
 Source: Nokia*

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

### 7.2 New Charging Work Item proposals

### 7.3 Charging Maintenance and Rel-16 small Enhancements

**S5-212092 Rel-16 CR 32.291 Correction on different identities for NEF charging**

*Type: CR For: Agreement  
 32.291 v16.6.1 CR-0312 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-212480**.

**S5-212480 Rel-16 CR 32.291 Correction on different identities for NEF charging**

*Type: CR For: Agreement  
 32.291 v16.6.1 CR-0312 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-212092)

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

**S5-212093 Rel-16 CR 32.298 Correction on different identities for NEF charging**

*Type: CR For: Agreement  
 32.298 v16.7.0 CR-0862 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-212481**.

**S5-212481 Rel-16 CR 32.298 Correction on different identities for NEF charging**

*Type: CR For: Agreement  
 32.298 v16.7.0 CR-0862 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-212093)

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

**S5-212094 Rel-16 CR 32.298 Correction on user location information**

*Type: CR For: Agreement  
 32.298 v16.7.0 CR-0863 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-212482**.

**S5-212482 Rel-16 CR 32.298 Correction on user location information**

*Type: CR For: Agreement  
 32.298 v16.7.0 CR-0863 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-212094)

**Decision:** The document was **revised to S5-212508**.

**S5-212508 Rel-16 CR 32.298 Correction on user location information**

*Type: CR For: Agreement  
 32.298 v16.7.0 CR-0863 rev 2 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-212482)

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

**S5-212095 Rel-16 CR 32.291 Correction on missing MnS producer**

*Type: CR For: Agreement  
 32.291 v16.6.1 CR-0313 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-212096 Rel-16 CR 32.298 Correction on missing MnS producer**

*Type: CR For: Agreement  
 32.298 v16.7.0 CR-0864 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-212507**.

**S5-212507 Rel-16 CR 32.298 Correction on missing MnS producer**

*Type: CR For: Agreement  
 32.298 v16.7.0 CR-0864 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-212096)

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

**S5-212097 Rel-17 CR 32.240 Inclusive language review**

*Type: CR For: Agreement  
 32.240 v17.0.0 CR-0418 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-212098 Rel-16 CR 32.256 Correction on Registration flows and message content**

*Type: CR For: Agreement  
 32.256 v16.1.0 CR-0003 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-212099 Rel-16 CR 32.298 Correction on missing fields for CHF CDR - AMF**

*Type: CR For: Agreement  
 32.298 v16.7.0 CR-0865 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-212100 Rel-16 CR 32.291 Correction on missing attributes for AMF charging**

*Type: CR For: Agreement  
 32.291 v16.6.1 CR-0314 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-212104 Rel-16 CR 32.240 Correction for Network Slice Charging**

*Type: CR For: Agreement  
 32.240 v16.1.0 CR-0419 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-212483**.

**S5-212483 Rel-16 CR 32.240 Correction for Network Slice Charging**

*Type: CR For: Agreement  
 32.240 v16.1.0 CR-0419 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-212104)

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

**S5-212105 Rel-17 CR 32.240 Correction for Network Slice Charging**

*Type: CR For: Agreement  
 32.240 v17.0.0 CR-0420 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-212484**.

**S5-212484 Rel-17 CR 32.240 Correction for Network Slice Charging**

*Type: CR For: Agreement  
 32.240 v17.0.0 CR-0420 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-212105)

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

**S5-212167 Rel-16 32.255 charging id clarification**

*Type: CR For: Approval  
 32.255 v16.7.0 CR-0286 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-212485**.

**S5-212485 Rel-16 32.255 charging id clarification**

*Type: CR For: Approval  
 32.255 v16.7.0 CR-0286 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-212167)

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

**S5-212168 Rel-17 32.255 charging id clarification**

*Type: CR For: Approval  
 32.255 v17.0.0 CR-0287 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-212486**.

**S5-212486 Rel-17 32.255 charging id clarification**

*Type: CR For: Approval  
 32.255 v17.0.0 CR-0287 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-212168)

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

**S5-212169 Rel-16 32.255 Trigger Override Clarification**

*Type: CR For: Approval  
 32.255 v16.7.0 CR-0288 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-212487**.

**S5-212487 Rel-16 32.255 Trigger Override Clarification**

*Type: CR For: Approval  
 32.255 v16.7.0 CR-0288 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-212169)

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

**S5-212170 Rel-17 32.255 Trigger Override Clarification**

*Type: CR For: Approval  
 32.255 v17.0.0 CR-0289 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-212488**.

**S5-212488 Rel-17 32.255 Trigger Override Clarification**

*Type: CR For: Approval  
 32.255 v17.0.0 CR-0289 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-212170)

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

**S5-212171 Rel-16 32.291 Add the Bindings for NSM Charging**

*Type: CR For: Approval  
 32.291 v16.6.1 CR-0315 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-212489**.

**S5-212489 Rel-16 32.291 Add the Bindings for NSM Charging**

*Type: CR For: Approval  
 32.291 v16.6.1 CR-0315 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-212171)

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

**S5-212172 Rel-16 32.291 support of stateless NF**

*Type: CR For: Approval  
 32.291 v16.6.1 CR-0316 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-212173 Rel-17 32.291 Optional header clearification**

*Type: CR For: Approval  
 32.291 v16.6.1 CR-0317 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-212498**.

**S5-212498 Rel-17 32.291 Optional header clearification**

*Type: CR For: Approval  
 32.291 v16.6.1 CR-0317 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-212173)

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

**S5-212174 Rel-16 32.240 Add the CCS in the Definitions**

*Type: CR For: Approval  
 32.240 v16.1.0 CR-0421 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-212490**.

**S5-212490 Rel-16 32.240 Add the CCS in the Definitions**

*Type: CR For: Approval  
 32.240 v16.1.0 CR-0421 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-212174)

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

**S5-212175 Rel-17 32.240 Add the CCS in the Definitions**

*Type: CR For: Approval  
 32.240 v17.0.0 CR-0422 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-212491**.

**S5-212491 Rel-17 32.240 Add the CCS in the Definitions**

*Type: CR For: Approval  
 32.240 v17.0.0 CR-0422 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-212175)

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

**S5-212176 Rel-16 32.290 Trigger Clarification**

*Type: CR For: Approval  
 32.290 v16.6.0 CR-0152 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-212492**.

**S5-212492 Rel-16 32.290 Trigger Clarification**

*Type: CR For: Approval  
 32.290 v16.6.0 CR-0152 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-212176)

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

**S5-212177 Rel-17 32.290 Trigger Clarification**

*Type: CR For: Approval  
 32.290 v17.0.0 CR-0153 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-212493**.

**S5-212493 Rel-17 32.290 Trigger Clarification**

*Type: CR For: Approval  
 32.290 v17.0.0 CR-0153 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-212177)

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

**S5-212178 Rel-16 32.298 ECGI trigger and TAI trigger clarification**

*Type: CR For: Approval  
 32.298 v16.7.0 CR-0866 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-212179 Rel-16 32.255 Add the description for the trigger Condition**

*Type: CR For: Approval  
 32.255 v16.7.0 CR-0290 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-212180 Rel-17 32.255 Add the description for the trigger Condition**

*Type: CR For: Approval  
 32.255 v17.0.0 CR-0291 Cat: A (Rel-17)  
  
 Source: Huawei*

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

**S5-212181 Rel-16 32.255 Correct the description for the Multiple UPFs**

*Type: CR For: Approval  
 32.255 v16.7.0 CR-0292 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-212494**.

**S5-212494 Rel-16 32.255 Correct the description for the Multiple UPFs**

*Type: CR For: Approval  
 32.255 v16.7.0 CR-0292 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-212181)

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

**S5-212182 Rel-17 32.255 Correct the description for the Multiple UPFs**

*Type: CR For: Approval  
 32.255 v17.0.0 CR-0293 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-212495**.

**S5-212495 Rel-17 32.255 Correct the description for the Multiple UPFs**

*Type: CR For: Approval  
 32.255 v17.0.0 CR-0293 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-212182)

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

**S5-212183 Discussion paper on User Location for 5G Charging**

*Type: discussion For: Approval  
 Source: Huawei*

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

**S5-212184 Rel-17 32.290 Add the QCT mechanism**

*Type: CR For: Approval  
 32.290 v17.0.0 CR-0154 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-212185 Rel-17 32.290 Add the QCT Information Element**

*Type: CR For: Approval  
 32.290 v17.0.0 CR-0155 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-212186 Rel-17 32.290 Add the Combinational quota mechanism**

*Type: CR For: Approval  
 32.290 v17.0.0 CR-0156 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-212187 Rel-17 32.290 Add the Combinational quota in Message**

*Type: CR For: Approval  
 32.290 v17.0.0 CR-0157 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-212237 Rel-16 CR 32.255 Correction of Termination action**

*Type: CR For: Approval  
 32.255 v16.7.0 CR-0294 Cat: F (Rel-16)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-212496**.

**S5-212496 Rel-16 CR 32.255 Correction of Termination action**

*Type: CR For: Approval  
 32.255 v16.7.0 CR-0294 rev 1 Cat: F (Rel-16)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-212237)

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

**S5-212238 Rel-17 CR 32.255 Correction of Termination action**

*Type: CR For: Approval  
 32.255 v17.0.0 CR-0295 Cat: A (Rel-17)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-212497**.

**S5-212497 Rel-17 CR 32.255 Correction of Termination action**

*Type: CR For: Approval  
 32.255 v17.0.0 CR-0295 rev 1 Cat: A (Rel-17)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-212238)

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

**S5-212239 Rel-16 CR 32.255 Correction of Charging Id assigned by the V-SMF**

*Type: CR For: Approval  
 32.255 v16.7.0 CR-0296 Cat: F (Rel-16)  
  
 Source: China Mobile Com. Corporation*

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

**S5-212240 Rel-17 CR 32.255 Correction of Charging Id assigned by the V-SMF**

*Type: CR For: Approval  
 32.255 v17.0.0 CR-0297 Cat: A (Rel-17)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-212459**.

**S5-212459 Rel-17 CR 32.255 Correction of Charging Id assigned by the V-SMF**

*Type: CR For: Approval  
 32.255 v17.0.0 CR-0297 rev 1 Cat: A (Rel-17)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-212240)

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

**S5-212251 Rel-17 CR 32.290 Correcting final unit handling**

*Type: CR For: Agreement  
 32.290 v17.0.0 CR-0158 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-212499**.

**S5-212499 Rel-17 CR 32.290 Correcting final unit handling**

*Type: CR For: Agreement  
 32.290 v17.0.0 CR-0158 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-212251)

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

**S5-212252 Rel-17 draftCR 32.291 DraftCR correcting filter rule as list**

*Type: draftCR For: Approval  
 32.291 v16.6.1  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-212500**.

**S5-212500 Rel-17 draftCR 32.291 DraftCR correcting filter rule as list**

*Type: draftCR For: Approval  
 32.291 v16.6.1  
 Source: Ericsson LM*

(Replaces S5-212252)

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

**S5-212253 Rel-16 CR 32.255 Correcting QoS information description**

*Type: CR For: Agreement  
 32.355 v9.0.0 CR-0001 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-212254 Rel-17 CR 32.255 Correcting missing charging control policy data identifier**

*Type: CR For: Agreement  
 32.255 v17.0.0 CR-0298 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-212255 Rel-17 draftCR 32.291 DraftCR correcting missing charging control policy data identifier**

*Type: draftCR For: Approval  
 32.291 v16.6.1  
 Source: Ericsson LM*

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

**S5-212256 Rel-17 draftCR 32.298 DraftCR correcting missing charging control policy data identifier**

*Type: draftCR For: Approval  
 32.298 v16.7.0  
 Source: Ericsson LM*

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

**S5-212278 Rel-16 CR 32.255 Correcting QoS information description**

*Type: CR For: Agreement  
 32.255 v16.7.0 CR-0300 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-212457 Rel-16 CR 32.256 Correction on UE MM Core Network Capability**

*Type: CR For: Agreement  
 32.256 v16.1.0 CR-0004 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-212502 Rel-16 CR 32.291 Update OpenAPI version**

*Type: CR For: Agreement  
 32.291 v16.6.1 CR-0318 Cat: F (Rel-16)  
  
 Source: Huawei*

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

### 7.4 Rel-17 Charging

#### 7.4.1 IMS Charging in 5G System Architecture

**S5-212188 Rel-17 32.260 Correct the charging function**

*Type: CR For: Approval  
 32.260 v17.0.0 CR-0416 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-212257 Rel-17 CR 32.260 Updating CDR handling for converged charging**

*Type: CR For: Agreement  
 32.260 v17.0.0 CR-0417 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-212460**.

**S5-212460 Rel-17 CR 32.260 Updating CDR handling for converged charging**

*Type: CR For: Agreement  
 32.260 v17.0.0 CR-0417 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-212257)

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

**S5-212258 Rel-17 CR 32.260 Use of IMS node instead of the explicit nodes**

*Type: CR For: Agreement  
 32.260 v17.0.0 CR-0418 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-212259 Rel-17 CR 32.260 Adding converged charging to principles**

*Type: CR For: Agreement  
 32.260 v17.0.0 CR-0419 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-212461**.

**S5-212461 Rel-17 CR 32.260 Adding converged charging to principles**

*Type: CR For: Agreement  
 32.260 v17.0.0 CR-0419 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-212259)

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

**S5-212260 Rel-17 CR 32.281 Adding converged charging to scope**

*Type: CR For: Agreement  
 32.281 v16.1.0 CR-0010 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-212463**.

**S5-212463 Rel-17 CR 32.281 Adding converged charging to scope**

*Type: CR For: Agreement  
 32.281 v16.1.0 CR-0010 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-212260)

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

#### 7.4.2 Charging enhancement for URLLC

#### 7.4.3 N40 Interface Enhancements to Support GERAN and UTRAN

**S5-212261 Rel-17 CR 32.255 Adding of annex for GERAN and UTRAN support**

*Type: CR For: Agreement  
 32.255 v17.0.0 CR-0299 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

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

### 7.5 Charging studies

#### 7.5.1 Study on charging aspects of Edge Computing

**S5-212046 pCR 28.815 Add solution based on aggregation of usage by MnS producer for inter-provider charging for 5GS**

*Type: pCR For: Approval  
 28.815 v0.3.0  
 Source: Intel Finland Oy*

**Decision:** The document was **revised to S5-212464**.

**S5-212464 pCR 28.815 Add solution based on aggregation of usage by MnS producer for inter-provider charging for 5GS**

*Type: pCR For: Approval  
 28.815 v0.3.0  
 Source: Intel Finland Oy*

(Replaces S5-212046)

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

**S5-212047 pCR 28.815 Udpate edge enabling infrastructure resource charging solution with quota management**

*Type: pCR For: Approval  
 28.815 v0.3.0  
 Source: Intel Finland Oy*

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

**S5-212048 pCR 28.815 Correction on solution for EAS application context transfer charging**

*Type: pCR For: Approval  
 28.815 v0.3.0  
 Source: Intel Finland Oy*

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

**S5-212262 Rel-17 pCR 28.815 Updating performance based charging**

*Type: pCR For: Approval  
 28.815 v0.4.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-212503**.

**S5-212503 Rel-17 pCR 28.815 Updating performance based charging**

*Type: pCR For: Approval  
 28.815 v0.4.0  
 Source: Ericsson LM*

(Replaces S5-212262)

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

**S5-212263 Rel-17 pCR 28.815 Updating application server deployment charging**

*Type: pCR For: Approval  
 28.815 v0.4.0  
 Source: Ericsson LM*

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

**S5-212264 Rel-17 pCR 28.815 Updating enabling services charging**

*Type: pCR For: Approval  
 28.815 v0.4.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-212504**.

**S5-212504 Rel-17 pCR 28.815 Updating enabling services charging**

*Type: pCR For: Approval  
 28.815 v0.4.0  
 Source: Ericsson LM*

(Replaces S5-212264)

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

**S5-212265 Rel-17 pCR 28.815 Updating performance based charging**

*Type: pCR For: Approval  
 28.815 v0.4.0  
 Source: Ericsson LM*

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

**S5-212465 Draft TR 28.815**

*Type: draft TR For: Approval  
 28.815 v0.5.0  
 Source: Intel*

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

#### 7.5.2 Study on charging aspects of 5GS CIoT

**S5-212161 pCR 28.816 add use case of support for monitoring events charging**

*Type: pCR For: Approval  
 28.816 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-212466**.

**S5-212466 pCR 28.816 add use case of support for monitoring events charging**

*Type: pCR For: Approval  
 28.816 v0.3.0  
 Source: Huawei*

(Replaces S5-212161)

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

**S5-212162 pCR 28.816 add use case rate control of user data in 5G data connectivity charging**

*Type: pCR For: Approval  
 28.816 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-212505**.

**S5-212505 pCR 28.816 add use case rate control of user data in 5G data connectivity charging**

*Type: pCR For: Approval  
 28.816 v0.3.0  
 Source: Huawei*

(Replaces S5-212162)

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

**S5-212163 pCR 28.816 Add use case the access of 5GS CIoT device**

*Type: pCR For: Approval  
 28.816 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-212467**.

**S5-212467 pCR 28.816 Add use case the access of 5GS CIoT device**

*Type: pCR For: Approval  
 28.816 v0.3.0  
 Source: Huawei*

(Replaces S5-212163)

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

**S5-212164 pCR 28.816 add use case rate control of user data in home-routed roaming scenario**

*Type: pCR For: Approval  
 28.816 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-212506**.

**S5-212506 pCR 28.816 add use case rate control of user data in home-routed roaming scenario**

*Type: pCR For: Approval  
 28.816 v0.3.0  
 Source: Huawei*

(Replaces S5-212164)

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

**S5-212165 pCR 28.816 add description of key issues for 5G data connectivity domain charging**

*Type: pCR For: Approval  
 28.816 v0.3.0  
 Source: Huawei*

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

**S5-212166 pCR 28.816 add description of key issues for CP data transfer domain charging**

*Type: pCR For: Approval  
 28.816 v0.3.0  
 Source: Huawei*

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

**S5-212468 Draft TR 28.816**

*Type: draft TR For: Approval  
 28.816 v0.4.0  
 Source: Huawei*

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

#### 7.5.3 Study on charging aspects of Proximity-based Services in 5GC

**S5-212133 pCR 32.846 Add possible solution for ProSe Unicast mode Direct Communication**

*Type: pCR For: Approval  
 32.846 v0.3.0  
 Source: CATT*

**Decision:** The document was **revised to S5-212469**.

**S5-212469 pCR 32.846 Add possible solution for ProSe Unicast mode Direct Communication**

*Type: pCR For: Approval  
 32.846 v0.3.0  
 Source: CATT*

(Replaces S5-212133)

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

**S5-212134 pCR 32.846 Add topic for charging for ProSe Direct Communication based on QoS flow**

*Type: pCR For: Approval  
 32.846 v0.3.0  
 Source: CATT*

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

**S5-212135 pCR 32.846 Update reqirement and key issue**

*Type: pCR For: Approval  
 32.846 v0.3.0  
 Source: CATT*

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

**S5-212136 pCR 32.846 Update solution for Direct Discovery charging**

*Type: pCR For: Approval  
 32.846 v0.3.0  
 Source: CATT*

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

**S5-212266 Rel-17 pCR 32.846 Adding solutions to direct communication**

*Type: pCR For: Approval  
 32.846 v0.3.0  
 Source: Ericsson LM*

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

**S5-212474 Draft 32.846**

*Type: draft TR For: Approval  
 32.846 v0.4.0  
 Source: CATT*

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

#### 7.5.4 Study on Charging Aspect of 5G LAN-type Services

**S5-212189 Rel-17 pCR 28.822 Add the NEF based solution for 5G VN Group**

*Type: pCR For: Approval  
 28.822 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-212471**.

**S5-212471 Rel-17 pCR 28.822 Add the NEF based solution for 5G VN Group**

*Type: pCR For: Approval  
 28.822 v0.1.0  
 Source: Huawei*

(Replaces S5-212189)

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

**S5-212190 Rel-17 pCR 28.822 Add the Use case for 5G VN traffic forwarding**

*Type: pCR For: Approval  
 28.822 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-212472**.

**S5-212472 Rel-17 pCR 28.822 Add the Use case for 5G VN traffic forwarding**

*Type: pCR For: Approval  
 28.822 v0.1.0  
 Source: Huawei*

(Replaces S5-212190)

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

**S5-212473 Draft TR 28.822**

*Type: draft TR For: Approval  
 28.822 v0.2.0  
 Source: Huawei*

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

#### 7.5.5 Study on charging aspects for enhancements of Network Slicing Phase 2

**S5-212124 Rel-17 pCR TR 32.847 - add new solution for Key Issue #1 based on new charging service**

*Type: pCR For: Agreement  
 32.847 v0.1.1  
 Source: Matrixx*

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

**S5-212125 Rel-17 pCR TR 32.847 - update subclause on background from GSMA**

*Type: pCR For: Agreement  
 32.847 v0.1.1  
 Source: Matrixx*

**Decision:** The document was **revised to S5-212475**.

**S5-212475 Rel-17 pCR TR 32.847 - update subclause on background from GSMA**

*Type: pCR For: Agreement  
 32.847 v0.1.1  
 Source: Matrixx*

(Replaces S5-212125)

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

**S5-212149 Rel-17 pCR 32.847 Introduction of NS converged charging sol#1.1 single CCS for KI#1**

*Type: pCR For: Approval  
 32.847 v0.0.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **rejected**.

**S5-212150 Rel-17 pCR 28.847 Introduction NS converged charging sol#2.x single CCS for KI#2**

*Type: pCR For: Approval  
 32.847 v0.0.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **rejected**.

**S5-212151 Rel-17 pCR 28.847 Introduction of new requirements and Key issues - volume and duration**

*Type: pCR For: Approval  
 32.847 v0.0.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-212476**.

**S5-212476 Rel-17 pCR 28.847 Introduction of new requirements and Key issues - volume and duration**

*Type: pCR For: Approval  
 32.847 v0.0.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-212151)

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

**S5-212152 Rel-17 pCR 28.847 Introduction of NS converged charging solution#x.1 single CCS for KI#x**

*Type: pCR For: Approval  
 32.847 v0.0.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **rejected**.

**S5-212267 Rel-17 pCR 32.847 Adding key issue for number of UEs per network slice**

*Type: pCR For: Approval  
 32.847 v0.1.1  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-212477**.

**S5-212477 Rel-17 pCR 32.847 Adding key issue for number of UEs per network slice**

*Type: pCR For: Approval  
 32.847 v0.1.1  
 Source: Ericsson LM*

(Replaces S5-212267)

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

**S5-212268 Rel-17 pCR 32.847 Adding key issue for number of PDU sessions per network slice**

*Type: pCR For: Approval  
 32.847 v0.1.1  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-212478**.

**S5-212478 Rel-17 pCR 32.847 Adding key issue for number of PDU sessions per network slice**

*Type: pCR For: Approval  
 32.847 v0.1.1  
 Source: Ericsson LM*

(Replaces S5-212268)

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

**S5-212479 Draft TR 32.847**

*Type: draft TR For: discussion  
 32.847 v0.2.0  
 Source: Matrixx*

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

## 8 Any Other Business

## Annex A: Contribution documents and status

### A1: List of TDocs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| * S5-212000 | * Agenda | * WG Chair | * approved |  |  |
| * S5-212001 | * Report from last SA5 meeting | * MCC | * approved |  |  |
| * S5-212002 | * e-meeting process | * WG Chair | * revised |  | * S5-212325 |
| * S5-212003 | * Post e-meeting email approval status | * WG Chair | * available |  |  |
| * S5-212004 | * OAM&P action list | * WG Vice Chair | * noted |  |  |
| * S5-212005 | * agenda\_with\_Tdocs\_sequence\_proposal\_OAM | * WG Vice Chair | * noted |  |  |
| * S5-212006 | * OAM Exec Report | * WG Vice Chair | * reserved |  |  |
| * S5-212007 | * OAM Chair notes and conclusions | * WG Chair | * available |  |  |
| * S5-212008 | * CH agenda and time plan | * WG vice Chair (Nokia) | * revised |  | * S5-212458 |
| * S5-212009 | * Charging exec report | * WG vice Chair (Nokia) | * noted |  |  |
| * S5-212010 | * SA5 working procedures | * WG Chair | * noted |  |  |
| * S5-212011 | * Process for management of draft TS-TRs | * WG Chair | * noted |  |  |
| * S5-212012 | * List of DraftCR input and output | * WG Chair | * withdrawn |  |  |
| * S5-212013 | * SA5 meeting calendar | * WG CHair | * noted |  |  |
| * S5-212014 | * Resubmitted LS reply to 3GPP SA5 on the relation between EDGEAPP and ETSI MEC architectures | * ETSI ISG MEC | * noted |  |  |
| * S5-212015 | * Resubmitted LS New Whitepaper: “Operator Platform Telco Edge proposal" | * GSMA | * replied to |  |  |
| * S5-212016 | * Resubmitted LS to SA5 on Relation between 3GPP EDGEAPP and ETSI MEC architectures | * S6-202355 | * noted |  |  |
| * S5-212017 | * Resubmitted LS on O-RAN – 3GPP Cooperation on Management Services | * O-RAN | * replied to |  |  |
| * S5-212018 | * Resubmitted LS/r on methodology harmonization and REST-based network management framework (reply to 3GPP TSG SA5-S5-204647) | * ITU-T SG2 | * postponed |  |  |
| * S5-212019 | * Resubmitted LS/r on work progress on M.resm-AI "Requirements for energy saving management of 5G RAN system with AI" (reply to 3GPP SA5-LS1225) | * ITU-T SG2 | * postponed |  |  |
| * S5-212020 | * Liaison reply to 3GPP SA5/SA2 on relation between ENI and MDAF/NWDAF | * ETSI ISG ENI | * noted |  |  |
| * S5-212021 | * Reply LS ccSA5 on SA WG2 assumptions from conclusion of study on architecture aspects for using satellite access in 5G | * R2-2102498 | * noted |  |  |
| * S5-212022 | * LS reply to SA5 on QoE Measurement Collection | * R2-2102500 | * noted |  |  |
| * S5-212023 | * Reply LS to SA5 on MDT Stage 2 and Stage 3 alignment | * R3-211140 | * noted |  |  |
| * S5-212024 | * LS to SA5 on the details of logging forms reported by the gNB-CU-CP, gNB-CU-UP and gNB-DU under measurement pollution conditions | * R3-211334 | * postponed |  |  |
| * S5-212025 | * Reply LS to SA5 on limitation of Propagation of immediate MDT configuration in case of Xn inter-RAT HO | * R3-211335 | * noted |  |  |
| * S5-212026 | * Progressing the Multi SDO Autonomous Network coordination | * TM Forum | * replied to |  |  |
| * S5-212027 | * Remove the XML Solution set | * Ericsson Hungary Ltd | * not pursued |  |  |
| * S5-212028 | * Remove the XML Solution set | * Ericsson Hungary Ltd | * agreed |  |  |
| * S5-212029 | * LS on NG.116 support of service categories | * GSMA 5G Joint-Activity (5GJA) | * replied to |  |  |
| * S5-212030 | * pCR 28.814 clarification of 3GPP management system | * Intel Corporation Italia SpA | * revised |  | * S5-212416 |
| * S5-212031 | * pCR 28.814 UC of UPF selection to support EAS deployment | * Intel Corporation Italia SpA | * revised |  | * S5-212410 |
| * S5-212032 | * pCR 28.814 add solutions for UPF selection to assist EAS deployment | * Intel Corporation Italia SpA | * revised |  | * S5-212411 |
| * S5-212033 | * New SID on management aspects of network slice management capability exposure | * Alibaba Group | * revised | * S5-211205 | * S5-212368 |
| * S5-212034 | * Reply LS on work progress on ITU-T draft Rec. M.resm-AI | * Orange | * noted |  |  |
| * S5-212035 | * pCR TR 28.809 Add reference to ITU-T draft Rec. M.resm-AI | * Orange, Intel | * noted |  |  |
| * S5-212036 | * Remove unneeded solution sets | * Ericsson Hungary Ltd | * not pursued |  |  |
| * S5-212037 | * Rel-17 Input to draftCR 28.541 Define performance requirements in different domains and update the related slice profile | * China Mobile Com. Corporation | * noted |  |  |
| * S5-212038 | * YANG NRM for Network Slicing | * Cisco Systems Belgium | * merged |  | * S5-212324 |
| * S5-212039 | * Functionality of YANG-Push | * Ericsson Hungary Ltd | * noted |  |  |
| * S5-212040 | * pCR 28.814 5GC NF performance assurance use case | * Intel Corporation Italia SpA | * revised |  | * S5-212412 |
| * S5-212041 | * pCR 28.814 5GC NF performance assurance solution | * Intel Corporation Italia SpA | * revised |  | * S5-212413 |
| * S5-212042 | * pCR 28.814 5GC NF fault supervision use case | * Intel Corporation Italia SpA | * revised |  | * S5-212414 |
| * S5-212043 | * pCR 28.814 5GC NF fault supervision solution | * Intel Corporation Italia SpA | * revised |  | * S5-212415 |
| * S5-212044 | * Reference architecture for the management of integrated satellite transport network for backhaul | * Airbus | * revised |  | * S5-212404 |
| * S5-212045 | * Two architecture scenarios for 5G networks with an integrated satellite transport network for backhaul | * Airbus; | * revised |  | * S5-212405 |
| * S5-212046 | * pCR 28.815 Add solution based on aggregation of usage by MnS producer for inter-provider charging for 5GS | * Intel Finland Oy | * revised |  | * S5-212464 |
| * S5-212047 | * pCR 28.815 Udpate edge enabling infrastructure resource charging solution with quota management | * Intel Finland Oy | * merged |  | * S5-212503 |
| * S5-212048 | * pCR 28.815 Correction on solution for EAS application context transfer charging | * Intel Finland Oy | * merged |  | * S5-212504 |
| * S5-212049 | * pCR 28.809 Add evaluation for cross-slice resource optimization | * Intel Sweden AB | * approved |  |  |
| * S5-212050 | * pCR 28.809 Add evaluation for RAN user plane congestion analysis | * Intel Sweden AB | * revised |  | * S5-212419 |
| * S5-212051 | * pCR 28.809 Add evaluation for UE throughput in network slice analysis | * Intel Sweden AB | * revised |  | * S5-212420 |
| * S5-212052 | * pCR 28.809 Update and evaluate the solution for jitter analysis | * Intel Sweden AB | * revised |  | * S5-212421 |
| * S5-212053 | * pCR 28.809 Update and evaluate the mobility performance analysis | * Intel Sweden AB | * revised |  | * S5-212422 |
| * S5-212054 | * Presentation of TR 28.809 for approval | * Intel Sweden AB | * approved |  |  |
| * S5-212055 | * Proposal to stop using draftCR for WI ePM\_KPI\_5G | * Intel | * endorsed |  |  |
| * S5-212056 | * CR Rel-17 28.552 CR for WI ePM\_KPI\_5G converted from draftCR S5-211355 | * Intel | * revised |  | * S5-212365 |
| * S5-212057 | * CR Rel-17 28.552 Add measurements related data management for UDR | * Intel | * revised |  | * S5-212366 |
| * S5-212058 | * CR Rel-17 28.552 Add measurements related to background data transfer policy control for PCF | * Intel | * agreed |  |  |
| * S5-212059 | * New WID Enhancements of Management Data Analytics Service | * Intel, NEC | * revised |  | * S5-212369 |
| * S5-212060 | * pCR 28.809 Add general conclusions and recommendations | * Intel, HUAWEI | * revised |  | * S5-212446 |
| * S5-212061 | * Rel-17 time plan proposal for OAM | * SA5 Vice chair (Huawei) | * revised | * S5-211081 | * S5-212330 |
| * S5-212062 | * List of Approved DraftCR | * SA5 Vice chair (Huawei) | * noted | * S5-211461 |  |
| * S5-212063 | * Collection of useful endorsed document and external communication documents | * Huawei Technologies (Korea) | * noted | * S5-211088 |  |
| * S5-212064 | * 3GPP SA5 inputs to progressing the Multi SDO Autonomous Network coordination | * SA5 Vice chair (Huawei) | * noted |  |  |
| * S5-212065 | * pCR 28.813: Update Resource Consumption Estimation Methods | * China Telecom Corporation Ltd. | * revised |  | * S5-212406 |
| * S5-212066 | * Simplified Request for Data Collection | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-212382 |
| * S5-212067 | * Rel-17 CR 28.552 Add measurements to cover all accessibility types | * Ericsson LM | * revised |  | * S5-212367 |
| * S5-212068 | * Rel-17 CR 28.554 Update the Accessibility KPI to cover RRC Resume | * Ericsson LM | * not pursued |  |  |
| * S5-212069 | * Rel-16 CR 28.552 Update measurements to consider abnormal releases in RRC connected state | * Ericsson LM | * agreed |  |  |
| * S5-212070 | * Rel-16 CR 28.554 Update retainability KPIs to consider abnormal releases in RRC connected state | * Ericsson LM | * agreed |  |  |
| * S5-212071 | * Rel-17 CR 28.552 Update measurements to consider abnormal releases in RRC connected state | * Ericsson LM | * agreed |  |  |
| * S5-212072 | * Rel-17 CR 28.554 Update retainability KPIs to consider abnormal releases in RRC connected state | * Ericsson LM | * agreed |  |  |
| * S5-212073 | * pCR 28.557 Add 5GLAN group management in UE related management aspects | * TELEFONICA S.A. | * revised |  | * S5-212360 |
| * S5-212074 | * New WID on File Management | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-212331 |
| * S5-212075 | * Rel-16 CR 28.532 Correct definitions for the File MnS (stage 2) | * Nokia, Nokia Shanghai Bell | * revised | * S5-211242 | * S5-212370 |
| * S5-212076 | * Rel-16 CR 28.532 Correct definitions for the File MnS (REST SS) | * Nokia; Nokia Shanghai Bell | * revised | * S5-211246 | * S5-212371 |
| * S5-212077 | * Rel-16 CR 28.532 Correct definitions for the File MnS (OpenAPI definitions) | * Nokia, Nokia Shanghai Bell | * revised | * S5-211247 | * S5-212372 |
| * S5-212078 | * Rel-16 CR 28.622 Correct notification support table for ManagedElement and ManagementNode | * Nokia, Nokia Shanghai Bell | * agreed |  |  |
| * S5-212079 | * Update the information model definitions for network slice NRM | * China Mobile Com. Corporation | * revised |  | * S5-212362 |
| * S5-212080 | * Rel-17 Input to DraftCR 28.537 Add requirements for File Management | * Nokia, Nokia Shanghai Bell | * approved | * S5-211300 |  |
| * S5-212081 | * Rel-17 Input to DraftCR 28.537 Add management data management requirements | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-212384 |
| * S5-212082 | * TS 28.533 Add Management Service Type | * China Mobile Com. Corporation | * noted |  |  |
| * S5-212083 | * Discussion on AddMnSType | * China Mobile Com. Corporation | * withdrawn |  |  |
| * S5-212084 | * Discussion on AddMnSType | * China Mobile Com. Corporation | * noted |  |  |
| * S5-212085 | * Rel-17 Input to DraftCR 28.537 Add management data management requirements (pictures and video) | * Nokia, Nokia Shanghai Bell, | * revised |  | * S5-212385 |
| * S5-212086 | * Rel-17 Input to DraftCR 28.537 Add management data management requirements (“easy-to-use” data request job) | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-212383 |
| * S5-212087 | * Rel-17 Input to DraftCR 28.622 Add data store control NRM fragment | * Nokia, Nokia Shanghai Bell | * noted |  |  |
| * S5-212088 | * Discussion paper: Modeling managed management entities | * Nokia, Nokia Shanghai Bell | * noted |  |  |
| * S5-212089 | * Rel-17 CR 28.622 Clarify model for managed Management Functions | * Nokia, Nokia Shanghai Bell | * not pursued |  |  |
| * S5-212090 | * pCR 28.557 Applicability of management modes considering the deployment options of individual NPN functions. | * TELEFONICA S.A. | * revised |  | * S5-212361 |
| * S5-212091 | * pCR TS 28.312 Add conceptual description for intent MnS | * Nokia | * revised |  | * S5-212391 |
| * S5-212092 | * Rel-16 CR 32.291 Correction on different identities for NEF charging | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-212480 |
| * S5-212093 | * Rel-16 CR 32.298 Correction on different identities for NEF charging | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-212481 |
| * S5-212094 | * Rel-16 CR 32.298 Correction on user location information | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-212482 |
| * S5-212095 | * Rel-16 CR 32.291 Correction on missing MnS producer | * Nokia, Nokia Shanghai Bell | * agreed |  |  |
| * S5-212096 | * Rel-16 CR 32.298 Correction on missing MnS producer | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-212507 |
| * S5-212097 | * Rel-17 CR 32.240 Inclusive language review | * Nokia, Nokia Shanghai Bell | * agreed |  |  |
| * S5-212098 | * Rel-16 CR 32.256 Correction on Registration flows and message content | * Nokia, Nokia Shanghai Bell | * agreed |  |  |
| * S5-212099 | * Rel-16 CR 32.298 Correction on missing fields for CHF CDR - AMF | * Nokia, Nokia Shanghai Bell | * agreed |  |  |
| * S5-212100 | * Rel-16 CR 32.291 Correction on missing attributes for AMF charging | * Nokia, Nokia Shanghai Bell | * agreed |  |  |
| * S5-212101 | * pCR TS 28.312 Add capabilities of an intent Driven MnS | * Nokia | * noted |  |  |
| * S5-212102 | * Report Validation | * Nokia Germany | * withdrawn |  |  |
| * S5-212103 | * Report Validation | * Nokia Germany, Ericsson, Intel | * revised |  | * S5-212445 |
| * S5-212104 | * Rel-16 CR 32.240 Correction for Network Slice Charging | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-212483 |
| * S5-212105 | * Rel-17 CR 32.240 Correction for Network Slice Charging | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-212484 |
| * S5-212106 | * Enahancing analytics request and reporting use case | * Nokia Germany | * revised |  | * S5-212418 |
| * S5-212107 | * Rel-16 CR 28.535 Clean up the business level use cases and requirements | * Nokia Germany | * merged |  | * S5-212335 |
| * S5-212108 | * Rel-16 CR 28.535 Clean up the concepts and background | * Nokia Germany | * not pursued |  |  |
| * S5-212109 | * Rel-16 CR 28.535 Clean up the specification level use cases and requirements | * Nokia Germany | * merged |  | * S5-212335 |
| * S5-212110 | * Rel-16 CR 28.536 Clean up the Stage 2 model | * Nokia Germany | * not pursued |  |  |
| * S5-212111 | * pCR 28.555 add specification level requirement | * China Mobile Com. Corporation | * noted |  |  |
| * S5-212112 | * pCR 28.555 add specification level use cases-policy deletion | * China Mobile Com. Corporation | * approved |  |  |
| * S5-212113 | * pCR 28.555 add specification level use cases-policy update | * China Mobile Com. Corporation | * approved |  |  |
| * S5-212114 | * pCR 28.555 add specification level use cases-policy query | * China Mobile Com. Corporation | * revised |  | * S5-212395 |
| * S5-212115 | * pCR 28.555 add specification level use cases-policy activation | * China Mobile Com. Corporation | * revised |  | * S5-212393 |
| * S5-212116 | * pCR 28.555 add specification level use cases-policy deactivation | * China Mobile Com. Corporation | * revised |  | * S5-212394 |
| * S5-212117 | * pCR 28.555 add specification level use cases-policy conflicts notification | * China Mobile Com. Corporation | * revised |  | * S5-212396 |
| * S5-212118 | * SOD on MDAS use cases | * Huawei Technologies (Korea) | * revised | * S5-211085 | * S5-212423 |
| * S5-212119 | * DP on assurance policy for closed control loop | * Huawei Technologies Japan K.K. | * noted |  |  |
| * S5-212120 | * DP on assurance report for closed control loop | * Huawei Technologies Japan K.K. | * noted |  |  |
| * S5-212121 | * Rel-17 Input to draftCR TS 28.536 Add assurance policy for closed control loop | * Huawei Technologies Japan K.K. | * noted |  |  |
| * S5-212122 | * Rel-17 Input to draftCR TS 28.536 Add assurance report for closed control loop | * Huawei Technologies Japan K.K. | * noted |  |  |
| * S5-212123 | * Rel-17 Input to draftCR TS 28.535 Configure policies for closed control loop | * Huawei Technologies Japan K.K. | * noted |  |  |
| * S5-212124 | * Rel-17 pCR TR 32.847 - add new solution for Key Issue #1 based on new charging service | * Matrixx | * noted |  |  |
| * S5-212125 | * Rel-17 pCR TR 32.847 - update subclause on background from GSMA | * Matrixx | * revised |  | * S5-212475 |
| * S5-212126 | * pCR TR 28.813 EE KPI definition for RAN-only eMBB network slice | * Orange, AT&T, Deutsche Telekom | * revised |  | * S5-212407 |
| * S5-212127 | * pCR TR 28.813 Potential solution for KI#5 (5GC NF Energy Consumption) | * Orange, Intel, AT&T, Nokia, Deutsche Telekom | * revised |  | * S5-212408 |
| * S5-212128 | * Rel-17 CR TS 28.310 Add use case and requirements for switching off edge UPFs | * Orange, AT&T, Deutsche Telekom,Telefonica | * revised |  | * S5-212398 |
| * S5-212129 | * Discussion paper on Use Case template | * SA5 Vice chair (Huawei) | * revised |  | * S5-212326 |
| * S5-212130 | * Rel-17 CR TS 28.552 Add PLMN granularity for RRC connection number measurements | * China Telecom Corporation Ltd. | * revised |  | * S5-212400 |
| * S5-212131 | * Rel-17 CR TS 32.160 Update on template for requirement specifications | * Huawei | * revised | * S5-211078 | * S5-212329 |
| * S5-212132 | * New WID on enhancement of service based management architecture | * Huawei, China Telecom, China Unicom, China Mobile, Ericsson | * revised | * S5-211460 | * S5-212332 |
| * S5-212133 | * pCR 32.846 Add possible solution for ProSe Unicast mode Direct Communication | * CATT | * revised |  | * S5-212469 |
| * S5-212134 | * pCR 32.846 Add topic for charging for ProSe Direct Communication based on QoS flow | * CATT | * approved |  |  |
| * S5-212135 | * pCR 32.846 Update reqirement and key issue | * CATT | * approved |  |  |
| * S5-212136 | * pCR 32.846 Update solution for Direct Discovery charging | * CATT | * approved |  |  |
| * S5-212137 | * pCR 28.813 Update on EE KPI for URLLC type of network slice | * Huawei, China Telecom | * revised |  | * S5-212409 |
| * S5-212138 | * pCR 28.557 Exposure of management capabilities | * Huawei | * noted |  |  |
| * S5-212139 | * pCR 28.557 Add requirements for management of PNI-NPN | * Huawei | * approved |  |  |
| * S5-212140 | * pCR 28.557 Add requirements for management of SNPN | * Huawei | * approved |  |  |
| * S5-212141 | * Rel-17 Input to draftCR 28.541 Delete the PerfReq and add some attributes of original perfReq to RANSliceSubnetProfile | * Huawei | * noted |  |  |
| * S5-212142 | * pCR 28.809 Update on MDA assisted energy saving | * China Telecom Corporation Ltd. | * approved |  |  |
| * S5-212143 | * pCR 28.809 Update the MDA process and Add Feedback Use case | * China Telecom Corporation Ltd. | * merged |  | * S5-212445 |
| * S5-212144 | * Add new MR-DC related requirements | * Ericsson Japan K-K | * agreed |  |  |
| * S5-212145 | * Add new clauses and clarification for MDT collection peroid in NR | * Ericsson Japan K-K | * revised |  | * S5-212363 |
| * S5-212146 | * Add new clauses and clarification for MDT collection peroid in NR | * Ericsson Japan K-K | * revised |  | * S5-212364 |
| * S5-212147 | * Correct MDT collection peroid in LTE | * Ericsson Japan K-K | * revised |  | * S5-212355 |
| * S5-212148 | * Correct MDT collection peroid in LTE | * Ericsson Japan K-K | * revised |  | * S5-212356 |
| * S5-212149 | * Rel-17 pCR 32.847 Introduction of NS converged charging sol#1.1 single CCS for KI#1 | * Nokia, Nokia Shanghai Bell | * rejected |  |  |
| * S5-212150 | * Rel-17 pCR 28.847 Introduction NS converged charging sol#2.x single CCS for KI#2 | * Nokia, Nokia Shanghai Bell | * rejected |  |  |
| * S5-212151 | * Rel-17 pCR 28.847 Introduction of new requirements and Key issues - volume and duration | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-212476 |
| * S5-212152 | * Rel-17 pCR 28.847 Introduction of NS converged charging solution#x.1 single CCS for KI#x | * Nokia, Nokia Shanghai Bell | * rejected |  |  |
| * S5-212153 | * Correct MDT collection peroid in LTE | * Ericsson Japan K-K | * revised |  | * S5-212357 |
| * S5-212154 | * Correct MDT collection peroid in LTE | * Ericsson Japan K-K | * revised |  | * S5-212358 |
| * S5-212155 | * Correct MDT collection peroid in LTE | * Ericsson Japan K-K | * revised |  | * S5-212359 |
| * S5-212156 | * Rel-17 CR TS 28.552 Add PLMN granularity for packet delay measurements in split gNB scenario | * China Telecom Corporation Ltd., Ericsson | * agreed |  |  |
| * S5-212157 | * Update of PCI configuration for D-SON and C-SON | * Huawei Telecommunication India | * not pursued |  |  |
| * S5-212158 | * pCR 28.809 update descriptions of MDA process | * HuaWei Technologies Co., Ltd | * merged |  | * S5-212445 |
| * S5-212159 | * Update of PCI configuration for D-SON and C-SON | * Huawei Telecommunication India | * not pursued |  |  |
| * S5-212160 | * pCR 28.809 Add MDA job creation and data reporting use cases | * HuaWei Technologies Co., Ltd | * noted |  |  |
| * S5-212161 | * pCR 28.816 add use case of support for monitoring events charging | * Huawei | * revised |  | * S5-212466 |
| * S5-212162 | * pCR 28.816 add use case rate control of user data in 5G data connectivity charging | * Huawei | * revised |  | * S5-212505 |
| * S5-212163 | * pCR 28.816 Add use case the access of 5GS CIoT device | * Huawei | * revised |  | * S5-212467 |
| * S5-212164 | * pCR 28.816 add use case rate control of user data in home-routed roaming scenario | * Huawei | * revised |  | * S5-212506 |
| * S5-212165 | * pCR 28.816 add description of key issues for 5G data connectivity domain charging | * Huawei | * noted |  |  |
| * S5-212166 | * pCR 28.816 add description of key issues for CP data transfer domain charging | * Huawei | * noted |  |  |
| * S5-212167 | * Rel-16 32.255 charging id clarification | * Huawei | * revised |  | * S5-212485 |
| * S5-212168 | * Rel-17 32.255 charging id clarification | * Huawei | * revised |  | * S5-212486 |
| * S5-212169 | * Rel-16 32.255 Trigger Override Clarification | * Huawei | * revised |  | * S5-212487 |
| * S5-212170 | * Rel-17 32.255 Trigger Override Clarification | * Huawei | * revised |  | * S5-212488 |
| * S5-212171 | * Rel-16 32.291 Add the Bindings for NSM Charging | * Huawei | * revised |  | * S5-212489 |
| * S5-212172 | * Rel-16 32.291 support of stateless NF | * Huawei | * not pursued |  |  |
| * S5-212173 | * Rel-17 32.291 Optional header clearification | * Huawei | * revised |  | * S5-212498 |
| * S5-212174 | * Rel-16 32.240 Add the CCS in the Definitions | * Huawei | * revised |  | * S5-212490 |
| * S5-212175 | * Rel-17 32.240 Add the CCS in the Definitions | * Huawei | * revised |  | * S5-212491 |
| * S5-212176 | * Rel-16 32.290 Trigger Clarification | * Huawei | * revised |  | * S5-212492 |
| * S5-212177 | * Rel-17 32.290 Trigger Clarification | * Huawei | * revised |  | * S5-212493 |
| * S5-212178 | * Rel-16 32.298 ECGI trigger and TAI trigger clarification | * Huawei | * not pursued |  |  |
| * S5-212179 | * Rel-16 32.255 Add the description for the trigger Condition | * Huawei | * agreed |  |  |
| * S5-212180 | * Rel-17 32.255 Add the description for the trigger Condition | * Huawei | * agreed |  |  |
| * S5-212181 | * Rel-16 32.255 Correct the description for the Multiple UPFs | * Huawei | * revised |  | * S5-212494 |
| * S5-212182 | * Rel-17 32.255 Correct the description for the Multiple UPFs | * Huawei | * revised |  | * S5-212495 |
| * S5-212183 | * Discussion paper on User Location for 5G Charging | * Huawei | * noted |  |  |
| * S5-212184 | * Rel-17 32.290 Add the QCT mechanism | * Huawei | * not pursued |  |  |
| * S5-212185 | * Rel-17 32.290 Add the QCT Information Element | * Huawei | * not pursued |  |  |
| * S5-212186 | * Rel-17 32.290 Add the Combinational quota mechanism | * Huawei | * not pursued |  |  |
| * S5-212187 | * Rel-17 32.290 Add the Combinational quota in Message | * Huawei | * not pursued |  |  |
| * S5-212188 | * Rel-17 32.260 Correct the charging function | * Huawei | * agreed |  |  |
| * S5-212189 | * Rel-17 pCR 28.822 Add the NEF based solution for 5G VN Group | * Huawei | * revised |  | * S5-212471 |
| * S5-212190 | * Rel-17 pCR 28.822 Add the Use case for 5G VN traffic forwarding | * Huawei | * revised |  | * S5-212472 |
| * S5-212191 | * pCR 28.809 Update descriptions of MDA overview architecture | * HuaWei Technologies Co., Ltd | * noted |  |  |
| * S5-212192 | * Update of the PCI and DESManagementFunction | * Huawei Telecommunication India | * revised |  | * S5-212339 |
| * S5-212193 | * LS from SA5 to RAN2,RAN3 on network sharing with multiple SSB | * ZTE | * revised |  | * S5-212403 |
| * S5-212194 | * Update of the PCI and DESManagementFunction | * Huawei Telecommunication India | * revised |  | * S5-212340 |
| * S5-212195 | * Discussion on NRM enhancement to support NG-RAN network sharing | * ZTE | * noted |  |  |
| * S5-212196 | * Add requirements of closed loop SLS assurance | * Huawei Telecommunication India | * not pursued |  |  |
| * S5-212197 | * Rel-17 CR TS 28.541 Enhance the NRM definitions to support NG-RAN network sharing | * ZTE | * not pursued |  |  |
| * S5-212198 | * Rel-16 CR TS 28.541 Correction on misalignment issues on EP\_Transport IOC | * Huawei | * revised |  | * S5-212341 |
| * S5-212199 | * Rel-17 CR TS 28.541 Correction on misalignment issues on EP\_Transport IOC | * Huawei | * revised |  | * S5-212342 |
| * S5-212200 | * Rel-16 CR TS 28.622 Correction of attribute properties and IOC inheritance description | * Huawei | * revised |  | * S5-212354 |
| * S5-212201 | * Rel-16 CR TS 28.532 Correct the misalignment information for stage 2 Fault Supervision MnS | * Huawei | * revised |  | * S5-212334 |
| * S5-212202 | * Rel-16 CR TS 28.541 Correct multiplicity issue for several attributes of NR NRM | * Huawei | * revised | * S5-211218 | * S5-212343 |
| * S5-212203 | * Rel-17 CR TS 28.541 Correct multiplicity issue for several attributes of NR NRM | * Huawei | * revised | * S5-211219 | * S5-212344 |
| * S5-212204 | * Rel-16 CR TS 28.536 Correct the misalignment information for COSLA | * Huawei,Ericsson | * revised |  | * S5-212338 |
| * S5-212205 | * pCR TS 28.100 Add autonomous network level for RAN NE deployment | * Huawei,China Mobile,China Telecom,China Unicom | * revised |  | * S5-212386 |
| * S5-212206 | * pCR TS 28.100 Add autonomous network level for RAN UE throughput optimization | * Huawei,China Mobile,China Telecom,China Unicom | * revised |  | * S5-212387 |
| * S5-212207 | * pCR TS 28.312 Add concept for intent lifecycle management | * Huawei,China Mobile | * approved | * S5-211222 |  |
| * S5-212208 | * pCR TS 28.312 Add stage 2 information model definition for intent | * Huawei,China Mobile | * revised | * S5-211223 | * S5-212443 |
| * S5-212209 | * pCR TS 28.312 Add stage 2 procedure for intent lifecycle management | * Huawei,China Mobile | * revised | * S5-211225 | * S5-212442 |
| * S5-212210 | * pCR TS 28.312 Add stage 2 management operation for intent | * Huawei,China Mobile | * revised | * S5-211224 | * S5-212392 |
| * S5-212211 | * Rel-17 CR TS 32.130 Add business level requirements for NG-RAN MOCN network sharing | * Huawei,China Telecom,China Unicom | * not pursued |  |  |
| * S5-212212 | * Rel-17 CR TS 32.130 Update role definition and business requirements for network sharing | * Huawei,China Telecom,China Unicom | * revised |  | * S5-212402 |
| * S5-212213 | * Discussion on how to use the Network Slicing NRM fragment to support two network slicing business model defined in TS 28.530 | * Huawei | * noted |  |  |
| * S5-212214 | * Discussion on NG-RAN network sharing with multiple CellId | * ZTE, China Unicom | * noted |  |  |
| * S5-212215 | * Rel-16 CR TS 28.541 Correct the NF name in definition of EP\_NgU | * China Telecommunications, Huawei | * revised | * S5-211492 | * S5-212345 |
| * S5-212216 | * Rel-17 CR TS 32.130 add NG-RAN sharing deployment example in Annex | * ZTE | * not pursued |  |  |
| * S5-212217 | * Rel-17 CR TS 28.541 Correct the NF name in definition of EP\_NgU | * China Telecommunications, Huawei | * revised | * S5-211493 | * S5-212346 |
| * S5-212218 | * pCR 28.312 Requirement of Intent for service at edge | * Samsung R&D Institute UK | * revised |  | * S5-212448 |
| * S5-212219 | * Discussion on issues with NSI and NSSI state management | * Huawei, Orange | * revised |  | * S5-212347 |
| * S5-212220 | * Rel-15 CR 28.541 Correction to NSI and NSSI state management | * Huawei, Orange | * revised |  | * S5-212348 |
| * S5-212221 | * Rel-16 CR 28.541 Correction to NSI and NSSI state management | * Huawei, Orange | * revised |  | * S5-212349 |
| * S5-212222 | * Rel-17 CR 28.541 Correction to NSI and NSSI state management | * Huawei, Orange | * revised |  | * S5-212350 |
| * S5-212223 | * Rel-17 CR 28.533 Add operations for discovery of management services | * Huawei | * noted |  |  |
| * S5-212224 | * Rel-17 CR 28.532 Add operations for discovery of management services | * Huawei | * not pursued |  |  |
| * S5-212225 | * Revised WID on Discovery of management services in 5G | * Huawei | * revised |  | * S5-212399 |
| * S5-212226 | * pCR 28.814 correct EAS deployment UC | * Huawei | * revised |  | * S5-212447 |
| * S5-212227 | * pCR 28.814 correct EES and ECS deployment requirement | * Huawei | * revised |  | * S5-212417 |
| * S5-212228 | * pCR 28.814 correct EAS deployment solution | * Huawei | * noted |  |  |
| * S5-212229 | * pCR 28.809 re-arranging paging UC | * Samsung R&D Institute UK | * approved |  |  |
| * S5-212230 | * pCR 28.809 re-arranging traffic projection UC | * Samsung R&D Institute UK | * approved |  |  |
| * S5-212231 | * New Key Issue: SLS assurance for EE | * Huawei Telecommunication India | * withdrawn |  |  |
| * S5-212232 | * Presentation sheet for approval of TR28.808 | * TNO | * approved |  |  |
| * S5-212233 | * pCR 28.809 re-arranging software upgrade UC | * Samsung R&D Institute UK | * noted |  |  |
| * S5-212234 | * Discussion on support RRC connection number measurements per PLMN in MOCN network sharing | * China Telecom Corporation Ltd. | * endorsed |  |  |
| * S5-212235 | * Recommended OpenAPI specification file handling and design guidelines | * 3GPP TSG CT chair | * noted |  |  |
| * S5-212236 | * pCR TR 28.813 New Key Issue: SLS assurance for EE | * Huawei Telecommunication India | * noted |  |  |
| * S5-212237 | * Rel-16 CR 32.255 Correction of Termination action | * China Mobile Com. Corporation | * revised |  | * S5-212496 |
| * S5-212238 | * Rel-17 CR 32.255 Correction of Termination action | * China Mobile Com. Corporation | * revised |  | * S5-212497 |
| * S5-212239 | * Rel-16 CR 32.255 Correction of Charging Id assigned by the V-SMF | * China Mobile Com. Corporation | * agreed |  |  |
| * S5-212240 | * Rel-17 CR 32.255 Correction of Charging Id assigned by the V-SMF | * China Mobile Com. Corporation | * revised |  | * S5-212459 |
| * S5-212241 | * 28.817 use case - granular access control by operator | * Nokia, Nokia Shanghai Bell | * noted |  |  |
| * S5-212242 | * 28.817 use case - integrate with existing AAA system of operator | * Nokia, Nokia Shanghai Bell | * noted |  |  |
| * S5-212243 | * 28.817 use case - trust relationship between MnS producer and consumer | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-212425 |
| * S5-212244 | * TD clarify roles and actors related to network slice management | * Nokia, Nokia Shanghai Bell | * noted |  |  |
| * S5-212245 | * pCR 28.100 Add definition of network and service planning | * China Mobile, Huawei, China Telecom, China Unicom | * noted |  |  |
| * S5-212246 | * pCR 28.100 Update Clause 4.1 Autonomous network concept | * China Mobile, Huawei, China Telecom, China Unicom | * revised |  | * S5-212388 |
| * S5-212247 | * pCR 28.100 Add generic classification of autonomous network level for network optimization | * China Mobile, Huawei, China Telecom, China Unicom | * revised |  | * S5-212389 |
| * S5-212248 | * LS to TM Forum on introduction of 3GPP Autonomous Network Levels | * China Mobile | * revised |  | * S5-212390 |
| * S5-212249 | * Rel-17 CR 28.552 Add Filter and Filter naming description | * Ericsson LM | * revised |  | * S5-212401 |
| * S5-212250 | * pCR 28.811 Enhancement of operations for network slice management | * Ericsson LM | * noted |  |  |
| * S5-212251 | * Rel-17 CR 32.290 Correcting final unit handling | * Ericsson LM | * revised |  | * S5-212499 |
| * S5-212252 | * Rel-17 draftCR 32.291 DraftCR correcting filter rule as list | * Ericsson LM | * revised |  | * S5-212500 |
| * S5-212253 | * Rel-16 CR 32.255 Correcting QoS information description | * Ericsson LM | * withdrawn |  |  |
| * S5-212254 | * Rel-17 CR 32.255 Correcting missing charging control policy data identifier | * Ericsson LM | * not pursued |  |  |
| * S5-212255 | * Rel-17 draftCR 32.291 DraftCR correcting missing charging control policy data identifier | * Ericsson LM | * noted |  |  |
| * S5-212256 | * Rel-17 draftCR 32.298 DraftCR correcting missing charging control policy data identifier | * Ericsson LM | * noted |  |  |
| * S5-212257 | * Rel-17 CR 32.260 Updating CDR handling for converged charging | * Ericsson LM | * revised |  | * S5-212460 |
| * S5-212258 | * Rel-17 CR 32.260 Use of IMS node instead of the explicit nodes | * Ericsson LM | * agreed |  |  |
| * S5-212259 | * Rel-17 CR 32.260 Adding converged charging to principles | * Ericsson LM | * revised |  | * S5-212461 |
| * S5-212260 | * Rel-17 CR 32.281 Adding converged charging to scope | * Ericsson LM | * revised |  | * S5-212463 |
| * S5-212261 | * Rel-17 CR 32.255 Adding of annex for GERAN and UTRAN support | * Ericsson LM | * not pursued |  |  |
| * S5-212262 | * Rel-17 pCR 28.815 Updating performance based charging | * Ericsson LM | * revised |  | * S5-212503 |
| * S5-212263 | * Rel-17 pCR 28.815 Updating application server deployment charging | * Ericsson LM | * approved |  |  |
| * S5-212264 | * Rel-17 pCR 28.815 Updating enabling services charging | * Ericsson LM | * revised |  | * S5-212504 |
| * S5-212265 | * Rel-17 pCR 28.815 Updating performance based charging | * Ericsson LM | * withdrawn |  |  |
| * S5-212266 | * Rel-17 pCR 32.846 Adding solutions to direct communication | * Ericsson LM | * merged |  | * S5-212469 |
| * S5-212267 | * Rel-17 pCR 32.847 Adding key issue for number of UEs per network slice | * Ericsson LM | * revised |  | * S5-212477 |
| * S5-212268 | * Rel-17 pCR 32.847 Adding key issue for number of PDU sessions per network slice | * Ericsson LM | * revised |  | * S5-212478 |
| * S5-212269 | * ML Model training report | * Nokia Germany | * noted |  |  |
| * S5-212270 | * RAN Sharing NRM support for MOCN | * Ericsson LM | * not pursued |  |  |
| * S5-212271 | * Add missing Alarm Requirements and Use Cases | * Ericsson LM | * revised |  | * S5-212353 |
| * S5-212272 | * Input to DraftCR 28.541 Discussion including perfRec mapping to domain specific attributes | * Ericsson LM | * approved |  |  |
| * S5-212273 | * Adding Signalling Based Activation for UTRAN and LTE | * Ericsson LM | * approved |  |  |
| * S5-212274 | * Discussion on new WID Plug and Connect | * Orange, AT&T, Deutsche Telekom, Telecom Italia, Telefonica S.A., Verizon | * noted |  |  |
| * S5-212275 | * Rel-17 Input to DraftCR 28.541 Define perfRec domain specific attributes | * Ericsson LM | * noted |  |  |
| * S5-212276 | * Rel-16 CR 28.532 Correct some minor errors in the Fault MnS definition (REST SS) | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-212333 |
| * S5-212277 | * Rel-16 CR 28.532 Correct some minor errors in the Prov MnS definition (REST SS) | * Nokia, Nokia Shanghai Bell | * agreed |  |  |
| * S5-212278 | * Rel-16 CR 32.255 Correcting QoS information description | * Ericsson LM | * not pursued |  |  |
| * S5-212279 | * Updated WID Enhancement on Management Aspects of 5G Service-Level Agreement | * Ericsson | * revised |  | * S5-212373 |
| * S5-212280 | * Handling of slice input data | * Ericsson | * revised |  | * S5-212374 |
| * S5-212281 | * pCR 28.811 Addition of national roaming scenario | * Ericsson LM | * revised |  | * S5-212424 |
| * S5-212282 | * Rel-16 CR 28.541 Correction of ServiceProfile attributes | * Ericsson LM | * withdrawn | * S5-211362 |  |
| * S5-212283 | * Rel-16 CR 28.541 Correction of ServiceProfile attributes | * Ericsson LM | * revised | * S5-211362 | * S5-212351 |
| * S5-212284 | * Using YANG-Push | * Ericsson Hungary Ltd | * noted |  |  |
| * S5-212285 | * Rel-17 CR 28.541 Correction of ServiceProfile attributes | * Ericsson LM | * revised | * S5-211363 | * S5-212352 |
| * S5-212286 | * YANG-Push Impact on Specifications | * Ericsson Hungary Ltd | * noted |  |  |
| * S5-212287 | * Correct NtfSubscriptionControl containment in YANG | * Ericsson Hungary Ltd | * not pursued |  | * - |
| * S5-212288 | * Correct NR endpoint classes containment in YANG | * Ericsson Hungary Ltd | * not pursued |  | * - |
| * S5-212289 | * Correct NR endpoint classes containment in YANG | * Ericsson Hungary Ltd | * not pursued |  | * - |
| * S5-212290 | * CHO measurements | * Ericsson France S.A.S | * not pursued | * S5-211322 |  |
| * S5-212291 | * Requirements, use cases and services for C-PCI | * Ericsson France S.A.S | * revised |  | * S5-212306 |
| * S5-212292 | * Rel-16 CR 28.552 Message names correction | * Ericsson France S.A.S | * agreed |  |  |
| * S5-212293 | * Rel-17 CR 28.552 Message names correction | * Ericsson France S.A.S | * agreed |  |  |
| * S5-212294 | * Rel 17 CR TS28.535 Add Use Case on ACCL Goal translation | * Lenovo, Motorola Mobility | * not pursued |  |  |
| * S5-212295 | * Remove use cases clause 5.1.3 and 5.1.4 | * Ericsson LM, Deutsche Telekom AG, Huawei | * revised |  | * S5-212337 |
| * S5-212296 | * Rel 17 CR TS28.536 Solution for configuring conditions for ACCL state change | * Lenovo, Motorola Mobility | * not pursued |  |  |
| * S5-212297 | * Update use cases and requirements to replace communication service | * Ericsson LM, Deutsche Telekom AG, Huawei | * revised |  | * S5-212335 |
| * S5-212298 | * Update use cases and requirements to replace communication service | * Ericsson LM, Deutsche Telekom AG, Huawei | * revised |  | * S5-212336 |
| * S5-212299 | * Rel 17 draft CR TS28.536 Solution for pausing a closed loop | * Lenovo, Motorola Mobility | * noted |  |  |
| * S5-212300 | * Input to eCOSLA draft CR S5-211358 | * Ericsson LM, Deutsche Telekom AG | * revised |  | * S5-212397 |
| * S5-212301 | * Code begin end markers and longer prefix length | * Ericsson Hungary Ltd | * agreed |  |  |
| * S5-212302 | * Rel 16 CR TS 28.536 add explanation for Entities in loop | * Lenovo, Motorola Mobility | * revised |  | * S5-212375 |
| * S5-212303 | * Add editors note to clause 5.1.3 and 5.1.4 | * Ericsson LM, Deutsche Telekom AG, Huawei | * not pursued |  |  |
| * S5-212304 | * Add lifecycle of closed control loop and clarify relationship between CSA and intent | * Ericsson LM, Deutsche Telekom AG | * not pursued |  |  |
| * S5-212305 | * LS from WSOLU to 3GPP SA5 - 5G charging architecture for wholesale scenarios | * GSMA | * postponed |  |  |
| * S5-212306 | * Requirements, use cases and services for C-PCI | * Ericsson France S.A.S | * not pursued | * S5-212291 |  |
| * S5-212307 | * Comparison between TS 32.158 and TS 29.501/21.900 | * Nokia | * noted | * - | * - |
| * S5-212308 | * Ls to SA5 on Conclusion of NR QoE Management and Optimizations for Diverse Services SI in RAN3 | * R3-211234 | * noted | * - | * - |
| * S5-212309 | * LS on Postponement of Multi SDO Autonomous Network strategic coordination meeting | * TMF | * replied to | * - | * - |
| * S5-212310 | * Reply to: LS on Postponement of Multi SDO Autonomous Network strategic coordination meeting | * Huawei | * approved | * - | * - |
| * S5-212311 | * LS on migration from ETSI forge to 3GPP forge | * C4-211513 | * noted | * - | * - |
| * S5-212312 | * LS on OpenAPI guidelines | * Ericsson | * approved | * - | * - |
| * S5-212313 | * Mega CR plan | * Huawei | * noted | * - | * - |
| * S5-212314 | * Rel-16 CR 28.536 Correct OpenAPI definition of the COSLA NRM | * Ericsson | * agreed | * S5-211529 | * - |
| * S5-212315 | * Rel-16 fix containment relationship for EP\_Transport IOC | * Nokia | * agreed | * S5-211456 | * - |
| * S5-212316 | * Rel-17 fix containment relationship for EP\_Transport IOC | * Nokia | * agreed | * S5-211457 | * - |
| * S5-212319 | * Reply to: Resubmitted LS New Whitepaper: “Operator Platform Telco Edge proposal" | * Intel | * approved | * - | * - |
| * S5-212320 | * Reply to: LS on NG.116 support of service categories | * Ericsson | * approved | * - | * - |
| * S5-212321 | * Fix of compilation and other errors | * Nokia | * agreed | * - | * - |
| * S5-212322 | * YANG update to follow stage 2 definitions and correct earlier YANG compilation errors. | * Ericsson | * agreed | * - | * - |
| * S5-212323 | * Fix compilation and other errors | * Nokia | * agreed | * - | * - |
| * S5-212324 | * YANG stage 3 for Slice management | * Ericsson | * agreed | * - | * - |
| * S5-212325 | * e-meeting process | * WG Chair | * noted | * S5-212002 | * - |
| * S5-212326 | * Discussion paper on Use Case template | * SA5 Vice chair (Huawei) | * noted | * S5-212129 | * - |
| * S5-212328 | * Reply to: Resubmitted LS on O-RAN – 3GPP Cooperation on Management Services | * Ericsson | * approved | * - | * - |
| * S5-212329 | * Rel-17 CR TS 32.160 Update on template for requirement specifications | * Huawei | * not pursued | * S5-212131 | * - |
| * S5-212330 | * Rel-17 time plan proposal for OAM | * SA5 Vice chair (Huawei) | * endorsed | * S5-212061 | * - |
| * S5-212331 | * New WID on File Management | * Nokia, Nokia Shanghai Bell | * agreed | * S5-212074 | * - |
| * S5-212332 | * New WID on enhancement of service based management architecture | * Huawei, China Telecom, China Unicom, China Mobile, Ericsson | * agreed | * S5-212132 | * - |
| * S5-212333 | * Rel-16 CR 28.532 Correct some minor errors in the Fault MnS definition (REST SS) | * Nokia, Nokia Shanghai Bell | * agreed | * S5-212276 | * - |
| * S5-212334 | * Rel-16 CR TS 28.532 Correct the misalignment information for stage 2 Fault Supervision MnS | * Huawei | * agreed | * S5-212201 | * - |
| * S5-212335 | * Update use cases and requirements to replace communication service | * Ericsson LM, Deutsche Telekom AG, Huawei | * agreed | * S5-212297 | * - |
| * S5-212336 | * Update use cases and requirements to replace communication service | * Ericsson LM, Deutsche Telekom AG, Huawei | * agreed | * S5-212298 | * - |
| * S5-212337 | * Remove use cases clause 5.1.3 and 5.1.4 | * Ericsson LM, Deutsche Telekom AG, Huawei | * agreed | * S5-212295 | * - |
| * S5-212338 | * Rel-16 CR TS 28.536 Correct the misalignment information for COSLA | * Huawei,Ericsson | * revised | * S5-212204 | * S5-212379 |
| * S5-212339 | * Update of the PCI and DESManagementFunction | * Huawei Telecommunication India | * agreed | * S5-212192 | * - |
| * S5-212340 | * Update of the PCI and DESManagementFunction | * Huawei Telecommunication India | * agreed | * S5-212194 | * - |
| * S5-212341 | * Rel-16 CR TS 28.541 Correction on misalignment issues on EP\_Transport IOC | * Huawei | * not pursued | * S5-212198 | * - |
| * S5-212342 | * Rel-17 CR TS 28.541 Correction on misalignment issues on EP\_Transport IOC | * Huawei | * not pursued | * S5-212199 | * - |
| * S5-212343 | * Rel-16 CR TS 28.541 Correct multiplicity issue for several attributes of NR NRM | * Huawei | * agreed | * S5-212202 | * - |
| * S5-212344 | * Rel-17 CR TS 28.541 Correct multiplicity issue for several attributes of NR NRM | * Huawei | * agreed | * S5-212203 | * - |
| * S5-212345 | * Rel-16 CR TS 28.541 Correct the NF name in definition of EP\_NgU | * China Telecommunications, Huawei | * agreed | * S5-212215 | * - |
| * S5-212346 | * Rel-17 CR TS 28.541 Correct the NF name in definition of EP\_NgU | * China Telecommunications, Huawei | * agreed | * S5-212217 | * - |
| * S5-212347 | * Discussion on issues with NSI and NSSI state management | * Huawei, Orange,Telefonica | * endorsed | * S5-212219 | * - |
| * S5-212348 | * Rel-15 CR 28.541 Correction to NSI and NSSI state management | * Huawei, Orange,Telefonica | * agreed | * S5-212220 | * - |
| * S5-212349 | * Rel-16 CR 28.541 Correction to NSI and NSSI state management | * Huawei, Orange,Telefonica | * agreed | * S5-212221 | * - |
| * S5-212350 | * Rel-17 CR 28.541 Correction to NSI and NSSI state management | * Huawei, Orange,Telefonica | * agreed | * S5-212222 | * - |
| * S5-212351 | * Rel-16 CR 28.541 Correction of ServiceProfile attributes | * Ericsson LM | * agreed | * S5-212283 | * - |
| * S5-212352 | * Rel-17 CR 28.541 Correction of ServiceProfile attributes | * Ericsson LM | * not pursued | * S5-212285 | * - |
| * S5-212353 | * Add missing Alarm Requirements and Use Cases | * Ericsson LM | * agreed | * S5-212271 | * - |
| * S5-212354 | * Rel-16 CR TS 28.622 Correction of attribute properties and IOC inheritance description | * Huawei | * agreed | * S5-212200 | * - |
| * S5-212355 | * Correct MDT collection peroid in LTE | * Ericsson Japan K-K | * agreed | * S5-212147 | * - |
| * S5-212356 | * Correct MDT collection peroid in LTE | * Ericsson Japan K-K | * agreed | * S5-212148 | * - |
| * S5-212357 | * Correct MDT collection peroid in LTE | * Ericsson Japan K-K | * agreed | * S5-212153 | * - |
| * S5-212358 | * Correct MDT collection peroid in LTE | * Ericsson Japan K-K | * agreed | * S5-212154 | * - |
| * S5-212359 | * Correct MDT collection peroid in LTE | * Ericsson Japan K-K | * agreed | * S5-212155 | * - |
| * S5-212360 | * pCR 28.557 Add 5GLAN group management in UE related management aspects | * TELEFONICA S.A. | * approved | * S5-212073 | * - |
| * S5-212361 | * pCR 28.557 Applicability of management modes considering the deployment options of individual NPN functions. | * TELEFONICA S.A. | * approved | * S5-212090 | * - |
| * S5-212362 | * Update the information model definitions for network slice NRM | * China Mobile Com. Corporation | * agreed | * S5-212079 | * - |
| * S5-212363 | * Add new clauses and clarification for MDT collection peroid in NR | * Ericsson Japan K-K | * agreed | * S5-212145 | * - |
| * S5-212364 | * Add new clauses and clarification for MDT collection peroid in NR | * Ericsson Japan K-K | * agreed | * S5-212146 | * - |
| * S5-212365 | * CR Rel-17 28.552 CR for WI ePM\_KPI\_5G converted from draftCR S5-211355 | * Intel | * agreed | * S5-212056 | * - |
| * S5-212366 | * CR Rel-17 28.552 Add measurements related data management for UDR | * Intel | * agreed | * S5-212057 | * - |
| * S5-212367 | * Rel-17 CR 28.552 Add measurements to cover all accessibility types | * Ericsson LM | * agreed | * S5-212067 | * - |
| * S5-212368 | * New SID on management aspects of network slice management capability exposure | * Alibaba Group | * agreed | * S5-212033 | * - |
| * S5-212369 | * New WID Enhancements of Management Data Analytics Service | * Intel, NEC | * agreed | * S5-212059 | * - |
| * S5-212370 | * Rel-16 CR 28.532 Correct definitions for the File MnS (stage 2) | * Nokia, Nokia Shanghai Bell | * agreed | * S5-212075 | * - |
| * S5-212371 | * Rel-16 CR 28.532 Correct definitions for the File MnS (REST SS) | * Nokia; Nokia Shanghai Bell | * agreed | * S5-212076 | * - |
| * S5-212372 | * Rel-16 CR 28.532 Correct definitions for the File MnS (OpenAPI definitions) | * Nokia, Nokia Shanghai Bell | * agreed | * S5-212077 | * - |
| * S5-212373 | * Updated WID Enhancement on Management Aspects of 5G Service-Level Agreement | * Ericsson,Deutsche Telekom | * agreed | * S5-212279 | * - |
| * S5-212374 | * Handling of slice input data | * Ericsson,Deutsche Telekom | * agreed | * S5-212280 | * - |
| * S5-212375 | * Rel 16 CR TS 28.536 add explanation for Entities in loop | * Lenovo, Motorola Mobility | * agreed | * S5-212302 | * - |
| * S5-212376 | * YANG update to follow stage 2 definitions and correct earlier YANG compilation errors. | * Ericsson | * agreed | * - | * - |
| * S5-212379 | * Rel-16 CR TS 28.536 Correct the misalignment information for COSLA | * Huawei,Ericsson | * agreed | * S5-212338 | * - |
| * S5-212382 | * Simplified Request for Data Collection | * Nokia, Nokia Shanghai Bell | * endorsed | * S5-212066 | * - |
| * S5-212383 | * Rel-17 Input to DraftCR 28.537 Add management data management requirements (“easy-to-use” data request job) | * Nokia, Nokia Shanghai Bell,Deutsche Telekom | * approved | * S5-212086 | * - |
| * S5-212384 | * Rel-17 Input to DraftCR 28.537 Add management data management requirements | * Nokia, Nokia Shanghai Bell,Deutsche Telekom | * approved | * S5-212081 | * - |
| * S5-212385 | * Rel-17 Input to DraftCR 28.537 Add management data management requirements (pictures and video) | * Nokia, Nokia Shanghai Bell,Deutsche Telekom | * approved | * S5-212085 | * - |
| * S5-212386 | * pCR TS 28.100 Add autonomous network level for RAN NE deployment | * Huawei,China Mobile,China Telecom,China Unicom | * approved | * S5-212205 | * - |
| * S5-212387 | * pCR TS 28.100 Add autonomous network level for RAN UE throughput optimization | * Huawei,China Mobile,China Telecom,China Unicom | * approved | * S5-212206 | * - |
| * S5-212388 | * pCR 28.100 Update Clause 4.1 Autonomous network concept | * China Mobile, Huawei, China Telecom, China Unicom | * approved | * S5-212246 | * - |
| * S5-212389 | * pCR 28.100 Add generic classification of autonomous network level for network optimization | * China Mobile, Huawei, China Telecom, China Unicom | * approved | * S5-212247 | * - |
| * S5-212390 | * LS to TM Forum on introduction of 3GPP Autonomous Network Levels | * China Mobile | * approved | * S5-212248 | * - |
| * S5-212391 | * pCR TS 28.312 Add conceptual description for intent MnS | * Nokia | * approved | * S5-212091 | * - |
| * S5-212392 | * pCR TS 28.312 Add stage 2 management operation for intent | * Huawei,China Mobile | * approved | * S5-212210 | * - |
| * S5-212393 | * pCR 28.555 add specification level use cases-policy activation | * China Mobile Com. Corporation | * approved | * S5-212115 | * - |
| * S5-212394 | * pCR 28.555 add specification level use cases-policy deactivation | * China Mobile Com. Corporation | * approved | * S5-212116 | * - |
| * S5-212395 | * pCR 28.555 add specification level use cases-policy query | * China Mobile Com. Corporation | * approved | * S5-212114 | * - |
| * S5-212396 | * pCR 28.555 add specification level use cases-policy conflicts notification | * China Mobile Com. Corporation | * approved | * S5-212117 | * - |
| * S5-212397 | * Input to eCOSLA draft CR S5-211358 | * Ericsson LM, Deutsche Telekom AG | * approved | * S5-212300 | * - |
| * S5-212398 | * Rel-17 CR TS 28.310 Add use case and requirements for switching off edge UPFs | * Orange, AT&T, Deutsche Telekom,Telefonica | * agreed | * S5-212128 | * - |
| * S5-212399 | * Revised WID on Discovery of management services in 5G | * Huawei | * agreed | * S5-212225 | * - |
| * S5-212400 | * Rel-17 CR TS 28.552 Add PLMN granularity for RRC connection number measurements | * China Telecom Corporation Ltd. | * agreed | * S5-212130 | * - |
| * S5-212401 | * Rel-17 CR 28.552 Add Filter and Filter naming description | * Ericsson LM | * agreed | * S5-212249 | * - |
| * S5-212402 | * Rel-17 CR TS 32.130 Update role definition and business requirements for network sharing | * Huawei,China Telecom,China Unicom | * agreed | * S5-212212 | * - |
| * S5-212403 | * LS from SA5 to RAN2,RAN3 on network sharing with multiple SSB | * ZTE | * approved | * S5-212193 | * - |
| * S5-212404 | * Reference architecture for the management of integrated satellite transport network for backhaul | * Airbus | * approved | * S5-212044 | * - |
| * S5-212405 | * Two architecture scenarios for 5G networks with an integrated satellite transport network for backhaul | * Airbus; | * approved | * S5-212045 | * - |
| * S5-212406 | * pCR 28.813: Update Resource Consumption Estimation Methods | * China Telecom Corporation Ltd. | * approved | * S5-212065 | * - |
| * S5-212407 | * pCR TR 28.813 EE KPI definition for RAN-only eMBB network slice | * Orange, AT&T, Deutsche Telekom | * approved | * S5-212126 | * - |
| * S5-212408 | * pCR TR 28.813 Potential solution for KI#5 (5GC NF Energy Consumption) | * Orange, Intel, AT&T, Nokia, Deutsche Telekom | * approved | * S5-212127 | * - |
| * S5-212409 | * pCR 28.813 Update on EE KPI for URLLC type of network slice | * Huawei, China Telecom | * approved | * S5-212137 | * - |
| * S5-212410 | * pCR 28.814 UC of UPF selection to support EAS deployment | * Intel Corporation Italia SpA | * approved | * S5-212031 | * - |
| * S5-212411 | * pCR 28.814 add solutions for UPF selection to assist EAS deployment | * Intel Corporation Italia SpA | * approved | * S5-212032 | * - |
| * S5-212412 | * pCR 28.814 5GC NF performance assurance use case | * Intel Corporation Italia SpA | * approved | * S5-212040 | * - |
| * S5-212413 | * pCR 28.814 5GC NF performance assurance solution | * Intel Corporation Italia SpA | * approved | * S5-212041 | * - |
| * S5-212414 | * pCR 28.814 5GC NF fault supervision use case | * Intel Corporation Italia SpA | * approved | * S5-212042 | * - |
| * S5-212415 | * pCR 28.814 5GC NF fault supervision solution | * Intel Corporation Italia SpA | * approved | * S5-212043 | * - |
| * S5-212416 | * pCR 28.814 clarification of 3GPP management system | * Intel Corporation Italia SpA | * approved | * S5-212030 | * - |
| * S5-212417 | * pCR 28.814 correct EES and ECS deployment requirement | * Huawei | * approved | * S5-212227 | * - |
| * S5-212418 | * Enahancing analytics request and reporting use case | * Nokia Germany | * approved | * S5-212106 | * - |
| * S5-212419 | * pCR 28.809 Add evaluation for RAN user plane congestion analysis | * Intel Sweden AB | * approved | * S5-212050 | * - |
| * S5-212420 | * pCR 28.809 Add evaluation for UE throughput in network slice analysis | * Intel Sweden AB | * approved | * S5-212051 | * - |
| * S5-212421 | * pCR 28.809 Update and evaluate the solution for jitter analysis | * Intel Sweden AB | * approved | * S5-212052 | * - |
| * S5-212422 | * pCR 28.809 Update and evaluate the mobility performance analysis | * Intel Sweden AB | * approved | * S5-212053 | * - |
| * S5-212423 | * SOD on MDAS use cases | * Huawei Technologies (Korea) | * noted | * S5-212118 | * - |
| * S5-212424 | * pCR 28.811 Addition of national roaming scenario | * Ericsson LM | * approved | * S5-212281 | * - |
| * S5-212425 | * 28.817 use case - trust relationship between MnS producer and consumer | * Nokia, Nokia Shanghai Bell | * approved | * S5-212243 | * - |
| * S5-212429 | * Latest draft TS 28.100 | * China Mobile | * approved | * - | * - |
| * S5-212430 | * Latest draft TS 28.312 | * Huawei | * approved | * - | * - |
| * S5-212431 | * Latest draft TS 28.555 | * China Mobile | * approved | * - | * - |
| * S5-212432 | * Latest draft TR 28.808 | * TNO | * approved | * - | * - |
| * S5-212433 | * Latest draft TR 28.813 | * ORANGE | * approved | * - | * - |
| * S5-212434 | * Latest draft TR 28.814 | * Intel | * approved | * - | * - |
| * S5-212435 | * Latest draft TR 28.809 | * Intel | * approved | * - | * - |
| * S5-212436 | * Latest draft TR 28.811 | * Huawei | * approved | * - | * - |
| * S5-212437 | * Latest draft TR 28.817 | * Nokia | * approved | * - | * - |
| * S5-212439 | * DraftCR for eCOSLA - TS 28.535 | * Ericsson | * approved | * - | * - |
| * S5-212440 | * DraftCR for eQoE - TS 28.405 | * Ericsson | * approved | * - | * - |
| * S5-212441 | * DraftCR for MADCOL TS 28.537 | * Nokia | * approved | * - | * - |
| * S5-212442 | * pCR TS 28.312 Add stage 2 procedure for intent lifecycle management | * Huawei,China Mobile | * approved | * S5-212209 | * - |
| * S5-212443 | * pCR TS 28.312 Add stage 2 information model definition for intent | * Huawei,China Mobile | * approved | * S5-212208 | * - |
| * S5-212444 | * Latest draft TS 28.557 | * Huawei | * approved | * - | * - |
| * S5-212445 | * Report Validation | * Nokia Germany, Ericsson, Intel | * approved | * S5-212103 | * - |
| * S5-212446 | * pCR 28.809 Add general conclusions and recommendations | * Intel, HUAWEI | * approved | * S5-212060 | * - |
| * S5-212447 | * pCR 28.814 correct EAS deployment UC | * Huawei | * approved | * S5-212226 | * - |
| * S5-212448 | * pCR 28.312 Requirement of Intent for service at edge | * Samsung R&D Institute UK | * approved | * S5-212218 | * - |
| * S5-212457 | * Rel-16 CR 32.256 Correction on UE MM Core Network Capability | * Nokia, Nokia Shanghai Bell | * agreed | * - | * - |
| * S5-212458 | * CH agenda and time plan | * WG vice Chair (Nokia) | * approved | * S5-212008 | * - |
| * S5-212459 | * Rel-17 CR 32.255 Correction of Charging Id assigned by the V-SMF | * China Mobile Com. Corporation | * agreed | * S5-212240 | * - |
| * S5-212460 | * Rel-17 CR 32.260 Updating CDR handling for converged charging | * Ericsson LM | * agreed | * S5-212257 | * - |
| * S5-212461 | * Rel-17 CR 32.260 Adding converged charging to principles | * Ericsson LM | * agreed | * S5-212259 | * - |
| * S5-212463 | * Rel-17 CR 32.281 Adding converged charging to scope | * Ericsson LM | * agreed | * S5-212260 | * - |
| * S5-212464 | * pCR 28.815 Add solution based on aggregation of usage by MnS producer for inter-provider charging for 5GS | * Intel Finland Oy | * approved | * S5-212046 | * - |
| * S5-212465 | * Draft TR 28.815 | * Intel | * approved | * - | * - |
| * S5-212466 | * pCR 28.816 add use case of support for monitoring events charging | * Huawei | * approved | * S5-212161 | * - |
| * S5-212467 | * pCR 28.816 Add use case the access of 5GS CIoT device | * Huawei | * approved | * S5-212163 | * - |
| * S5-212468 | * Draft TR 28.816 | * Huawei | * approved | * - | * - |
| * S5-212469 | * pCR 32.846 Add possible solution for ProSe Unicast mode Direct Communication | * CATT | * approved | * S5-212133 | * - |
| * S5-212471 | * Rel-17 pCR 28.822 Add the NEF based solution for 5G VN Group | * Huawei | * approved | * S5-212189 | * - |
| * S5-212472 | * Rel-17 pCR 28.822 Add the Use case for 5G VN traffic forwarding | * Huawei | * approved | * S5-212190 | * - |
| * S5-212473 | * Draft TR 28.822 | * Huawei | * approved | * - | * - |
| * S5-212474 | * Draft 32.846 | * CATT | * approved | * - | * - |
| * S5-212475 | * Rel-17 pCR TR 32.847 - update subclause on background from GSMA | * Matrixx | * approved | * S5-212125 | * - |
| * S5-212476 | * Rel-17 pCR 28.847 Introduction of new requirements and Key issues - volume and duration | * Nokia, Nokia Shanghai Bell | * approved | * S5-212151 | * - |
| * S5-212477 | * Rel-17 pCR 32.847 Adding key issue for number of UEs per network slice | * Ericsson LM | * approved | * S5-212267 | * - |
| * S5-212478 | * Rel-17 pCR 32.847 Adding key issue for number of PDU sessions per network slice | * Ericsson LM | * approved | * S5-212268 | * - |
| * S5-212479 | * Draft TR 32.847 | * Matrixx | * approved | * - | * - |
| * S5-212480 | * Rel-16 CR 32.291 Correction on different identities for NEF charging | * Nokia, Nokia Shanghai Bell | * agreed | * S5-212092 | * - |
| * S5-212481 | * Rel-16 CR 32.298 Correction on different identities for NEF charging | * Nokia, Nokia Shanghai Bell | * agreed | * S5-212093 | * - |
| * S5-212482 | * Rel-16 CR 32.298 Correction on user location information | * Nokia, Nokia Shanghai Bell | * revised | * S5-212094 | * S5-212508 |
| * S5-212483 | * Rel-16 CR 32.240 Correction for Network Slice Charging | * Nokia, Nokia Shanghai Bell | * agreed | * S5-212104 | * - |
| * S5-212484 | * Rel-17 CR 32.240 Correction for Network Slice Charging | * Nokia, Nokia Shanghai Bell | * agreed | * S5-212105 | * - |
| * S5-212485 | * Rel-16 32.255 charging id clarification | * Huawei | * agreed | * S5-212167 | * - |
| * S5-212486 | * Rel-17 32.255 charging id clarification | * Huawei | * agreed | * S5-212168 | * - |
| * S5-212487 | * Rel-16 32.255 Trigger Override Clarification | * Huawei | * agreed | * S5-212169 | * - |
| * S5-212488 | * Rel-17 32.255 Trigger Override Clarification | * Huawei | * agreed | * S5-212170 | * - |
| * S5-212489 | * Rel-16 32.291 Add the Bindings for NSM Charging | * Huawei | * agreed | * S5-212171 | * - |
| * S5-212490 | * Rel-16 32.240 Add the CCS in the Definitions | * Huawei | * agreed | * S5-212174 | * - |
| * S5-212491 | * Rel-17 32.240 Add the CCS in the Definitions | * Huawei | * agreed | * S5-212175 | * - |
| * S5-212492 | * Rel-16 32.290 Trigger Clarification | * Huawei | * agreed | * S5-212176 | * - |
| * S5-212493 | * Rel-17 32.290 Trigger Clarification | * Huawei | * agreed | * S5-212177 | * - |
| * S5-212494 | * Rel-16 32.255 Correct the description for the Multiple UPFs | * Huawei | * agreed | * S5-212181 | * - |
| * S5-212495 | * Rel-17 32.255 Correct the description for the Multiple UPFs | * Huawei | * agreed | * S5-212182 | * - |
| * S5-212496 | * Rel-16 CR 32.255 Correction of Termination action | * China Mobile Com. Corporation | * agreed | * S5-212237 | * - |
| * S5-212497 | * Rel-17 CR 32.255 Correction of Termination action | * China Mobile Com. Corporation | * agreed | * S5-212238 | * - |
| * S5-212498 | * Rel-17 32.291 Optional header clearification | * Huawei | * agreed | * S5-212173 | * - |
| * S5-212499 | * Rel-17 CR 32.290 Correcting final unit handling | * Ericsson LM | * agreed | * S5-212251 | * - |
| * S5-212500 | * Rel-17 draftCR 32.291 DraftCR correcting filter rule as list | * Ericsson LM | * approved | * S5-212252 | * - |
| * S5-212501 | * List of approved DraftCRs | * Nokia | * noted | * - | * - |
| * S5-212502 | * Rel-16 CR 32.291 Update OpenAPI version | * Huawei | * agreed | * - | * - |
| * S5-212503 | * Rel-17 pCR 28.815 Updating performance based charging | * Ericsson LM | * approved | * S5-212262 | * - |
| * S5-212504 | * Rel-17 pCR 28.815 Updating enabling services charging | * Ericsson LM | * approved | * S5-212264 | * - |
| * S5-212505 | * pCR 28.816 add use case rate control of user data in 5G data connectivity charging | * Huawei | * approved | * S5-212162 | * - |
| * S5-212506 | * pCR 28.816 add use case rate control of user data in home-routed roaming scenario | * Huawei | * approved | * S5-212164 | * - |
| * S5-212507 | * Rel-16 CR 32.298 Correction on missing MnS producer | * Nokia, Nokia Shanghai Bell | * agreed | * S5-212096 | * - |
| * S5-212508 | * Rel-16 CR 32.298 Correction on user location information | * Nokia, Nokia Shanghai Bell | * agreed | * S5-212482 | * - |

### A2: Tdoc decision timing

|  |  |  |
| --- | --- | --- |
| Document | Date/time UTC | Decision |
| * S5-212000 | * 12/03/2021 07:20:53 | * approved |
| * S5-212001 | * 12/03/2021 07:20:58 | * approved |
| * S5-212002 | * 12/03/2021 07:28:08 | * revised |
| * S5-212004 | * 12/03/2021 07:59:37 | * noted |
| * S5-212005 | * 12/03/2021 07:59:40 | * noted |
| * S5-212008 | * 12/03/2021 17:03:42 | * revised |
| * S5-212009 | * 12/03/2021 17:04:13 | * noted |
| * S5-212010 | * 12/03/2021 07:28:22 | * noted |
| * S5-212011 | * 12/03/2021 07:28:23 | * noted |
| * S5-212012 | * 12/03/2021 07:57:02 | * withdrawn |
| * S5-212013 | * 12/03/2021 07:53:23 | * noted |
| * S5-212014 | * 12/03/2021 07:53:35 | * noted |
| * S5-212015 | * 12/03/2021 07:42:26 | * replied to |
| * S5-212016 | * 12/03/2021 07:53:41 | * noted |
| * S5-212017 | * 12/03/2021 07:53:53 | * replied to |
| * S5-212018 | * 12/03/2021 07:57:11 | * postponed |
| * S5-212019 | * 12/03/2021 07:56:05 | * postponed |
| * S5-212020 | * 12/03/2021 07:57:27 | * noted |
| * S5-212021 | * 12/03/2021 07:57:40 | * noted |
| * S5-212022 | * 12/03/2021 07:57:43 | * noted |
| * S5-212023 | * 12/03/2021 07:57:51 | * noted |
| * S5-212024 | * 12/03/2021 07:58:13 | * postponed |
| * S5-212025 | * 12/03/2021 07:58:19 | * noted |
| * S5-212026 | * 12/03/2021 07:28:49 | * replied to |
| * S5-212027 | * 12/03/2021 14:11:54 | * available |
| * S5-212028 | * 12/03/2021 14:12:00 | * agreed |
| * S5-212029 | * 12/03/2021 07:53:08 | * replied to |
| * S5-212030 | * 12/03/2021 16:17:12 | * revised |
| * S5-212031 | * 12/03/2021 16:15:45 | * revised |
| * S5-212032 | * 12/03/2021 16:15:55 | * revised |
| * S5-212033 | * 12/03/2021 10:06:01 | * revised |
| * S5-212034 | * 12/03/2021 07:56:18 | * noted |
| * S5-212035 | * 12/03/2021 16:22:51 | * noted |
| * S5-212036 | * 12/03/2021 14:34:21 | * available |
| * S5-212037 | * 12/03/2021 14:38:49 | * noted |
| * S5-212038 | * 12/03/2021 07:55:22 | * available |
| * S5-212039 | * 12/03/2021 16:25:50 | * noted |
| * S5-212040 | * 12/03/2021 16:16:04 | * revised |
| * S5-212041 | * 12/03/2021 16:16:15 | * revised |
| * S5-212042 | * 12/03/2021 16:16:25 | * revised |
| * S5-212043 | * 12/03/2021 16:16:33 | * revised |
| * S5-212044 | * 12/03/2021 16:06:56 | * revised |
| * S5-212045 | * 12/03/2021 16:07:14 | * revised |
| * S5-212046 | * 12/03/2021 17:06:16 | * revised |
| * S5-212047 | * 12/03/2021 17:06:28 | * revised |
| * S5-212048 | * 12/03/2021 17:07:58 | * available |
| * S5-212049 | * 12/03/2021 16:23:26 | * approved |
| * S5-212050 | * 12/03/2021 16:23:36 | * revised |
| * S5-212051 | * 12/03/2021 16:23:45 | * revised |
| * S5-212052 | * 12/03/2021 16:23:59 | * revised |
| * S5-212053 | * 12/03/2021 16:24:09 | * revised |
| * S5-212054 | * 12/03/2021 16:24:16 | * approved |
| * S5-212055 | * 12/03/2021 14:44:55 | * available |
| * S5-212056 | * 12/03/2021 14:45:10 | * revised |
| * S5-212057 | * 12/03/2021 14:45:20 | * revised |
| * S5-212058 | * 12/03/2021 14:45:24 | * agreed |
| * S5-212059 | * 12/03/2021 10:06:40 | * revised |
| * S5-212060 | * 12/03/2021 16:24:28 | * revised |
| * S5-212061 | * 12/03/2021 10:04:12 | * revised |
| * S5-212062 | * 12/03/2021 07:56:53 | * noted |
| * S5-212063 | * 12/03/2021 10:04:26 | * noted |
| * S5-212064 | * 12/03/2021 07:32:26 | * noted |
| * S5-212065 | * 12/03/2021 16:14:47 | * revised |
| * S5-212066 | * 12/03/2021 14:46:10 | * revised |
| * S5-212067 | * 12/03/2021 14:45:39 | * revised |
| * S5-212068 | * 12/03/2021 14:45:45 | * available |
| * S5-212069 | * 12/03/2021 14:33:04 | * agreed |
| * S5-212070 | * 12/03/2021 14:33:36 | * agreed |
| * S5-212071 | * 12/03/2021 14:33:09 | * agreed |
| * S5-212072 | * 12/03/2021 14:33:41 | * agreed |
| * S5-212073 | * 12/03/2021 14:37:03 | * revised |
| * S5-212074 | * 12/03/2021 10:07:19 | * revised |
| * S5-212075 | * 12/03/2021 12:34:36 | * revised |
| * S5-212076 | * 12/03/2021 12:34:49 | * revised |
| * S5-212077 | * 12/03/2021 12:35:10 | * revised |
| * S5-212078 | * 12/03/2021 14:33:54 | * agreed |
| * S5-212079 | * 12/03/2021 14:41:59 | * revised |
| * S5-212080 | * 12/03/2021 14:11:44 | * approved |
| * S5-212081 | * 12/03/2021 14:47:17 | * revised |
| * S5-212082 | * 12/03/2021 15:19:11 | * noted |
| * S5-212084 | * 12/03/2021 15:19:16 | * noted |
| * S5-212085 | * 12/03/2021 14:47:41 | * revised |
| * S5-212086 | * 12/03/2021 14:46:56 | * revised |
| * S5-212087 | * 12/03/2021 14:47:48 | * noted |
| * S5-212088 | * 12/03/2021 14:43:15 | * noted |
| * S5-212089 | * 12/03/2021 14:43:19 | * available |
| * S5-212090 | * 12/03/2021 14:37:17 | * revised |
| * S5-212091 | * 12/03/2021 14:50:03 | * revised |
| * S5-212092 | * 12/03/2021 17:32:24 | * revised |
| * S5-212093 | * 12/03/2021 17:32:34 | * revised |
| * S5-212094 | * 12/03/2021 17:32:58 | * revised |
| * S5-212095 | * 12/03/2021 17:33:17 | * agreed |
| * S5-212096 | * 12/03/2021 17:33:24 | * revised |
| * S5-212097 | * 12/03/2021 17:40:11 | * agreed |
| * S5-212098 | * 12/03/2021 17:33:37 | * agreed |
| * S5-212099 | * 12/03/2021 17:33:40 | * agreed |
| * S5-212100 | * 12/03/2021 17:33:42 | * agreed |
| * S5-212101 | * 12/03/2021 14:50:08 | * noted |
| * S5-212103 | * 12/03/2021 16:18:49 | * revised |
| * S5-212104 | * 12/03/2021 17:34:03 | * revised |
| * S5-212105 | * 12/03/2021 17:34:11 | * revised |
| * S5-212106 | * 12/03/2021 16:19:45 | * revised |
| * S5-212107 | * 12/03/2021 14:01:03 | * available |
| * S5-212108 | * 12/03/2021 14:05:42 | * available |
| * S5-212109 | * 12/03/2021 14:05:17 | * available |
| * S5-212110 | * 12/03/2021 14:08:14 | * available |
| * S5-212111 | * 12/03/2021 15:15:13 | * noted |
| * S5-212112 | * 12/03/2021 14:52:42 | * approved |
| * S5-212113 | * 12/03/2021 14:52:46 | * approved |
| * S5-212114 | * 12/03/2021 15:14:46 | * revised |
| * S5-212115 | * 12/03/2021 14:52:58 | * revised |
| * S5-212116 | * 12/03/2021 15:14:32 | * revised |
| * S5-212117 | * 12/03/2021 15:15:00 | * revised |
| * S5-212118 | * 12/03/2021 16:24:44 | * revised |
| * S5-212119 | * 12/03/2021 15:16:44 | * noted |
| * S5-212120 | * 12/03/2021 15:16:53 | * noted |
| * S5-212121 | * 12/03/2021 15:16:47 | * noted |
| * S5-212122 | * 12/03/2021 15:17:12 | * noted |
| * S5-212123 | * 12/03/2021 15:16:19 | * noted |
| * S5-212124 | * 12/03/2021 17:28:23 | * noted |
| * S5-212125 | * 12/03/2021 17:28:31 | * revised |
| * S5-212126 | * 12/03/2021 16:14:57 | * revised |
| * S5-212127 | * 12/03/2021 16:15:09 | * revised |
| * S5-212128 | * 12/03/2021 15:18:33 | * revised |
| * S5-212129 | * 12/03/2021 07:38:53 | * noted |
| * S5-212129 | * 13/03/2021 08:52:47 | * revised |
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| * S5-212131 | * 12/03/2021 07:58:30 | * available |
| * S5-212131 | * 13/03/2021 09:01:49 | * revised |
| * S5-212132 | * 12/03/2021 10:07:46 | * revised |
| * S5-212133 | * 12/03/2021 17:09:51 | * noted |
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| * S5-212135 | * 12/03/2021 17:13:30 | * approved |
| * S5-212136 | * 12/03/2021 17:23:33 | * approved |
| * S5-212137 | * 12/03/2021 16:15:19 | * revised |
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| * S5-212141 | * 12/03/2021 14:40:42 | * noted |
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| * S5-212144 | * 12/03/2021 14:43:08 | * agreed |
| * S5-212145 | * 12/03/2021 14:42:36 | * revised |
| * S5-212146 | * 12/03/2021 14:42:49 | * revised |
| * S5-212147 | * 12/03/2021 14:35:40 | * revised |
| * S5-212148 | * 12/03/2021 14:36:11 | * revised |
| * S5-212149 | * 12/03/2021 17:29:56 | * rejected |
| * S5-212150 | * 12/03/2021 17:29:58 | * rejected |
| * S5-212151 | * 12/03/2021 17:30:14 | * revised |
| * S5-212152 | * 12/03/2021 17:30:20 | * rejected |
| * S5-212153 | * 12/03/2021 14:36:21 | * revised |
| * S5-212154 | * 12/03/2021 14:36:29 | * revised |
| * S5-212155 | * 12/03/2021 14:36:41 | * revised |
| * S5-212156 | * 12/03/2021 15:35:49 | * agreed |
| * S5-212157 | * 12/03/2021 15:17:40 | * available |
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| * S5-212160 | * 12/03/2021 16:21:49 | * noted |
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| * S5-212162 | * 12/03/2021 17:09:17 | * revised |
| * S5-212163 | * 12/03/2021 17:09:29 | * revised |
| * S5-212164 | * 12/03/2021 17:09:39 | * revised |
| * S5-212165 | * 12/03/2021 17:09:47 | * noted |
| * S5-212166 | * 12/03/2021 17:09:56 | * noted |
| * S5-212167 | * 12/03/2021 17:34:20 | * revised |
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| * S5-212169 | * 12/03/2021 17:34:43 | * revised |
| * S5-212170 | * 12/03/2021 17:34:52 | * revised |
| * S5-212171 | * 12/03/2021 17:35:01 | * revised |
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| * S5-212173 | * 12/03/2021 17:39:52 | * revised |
| * S5-212174 | * 12/03/2021 17:35:20 | * revised |
| * S5-212175 | * 12/03/2021 17:37:39 | * revised |
| * S5-212176 | * 12/03/2021 17:37:50 | * revised |
| * S5-212177 | * 12/03/2021 17:37:59 | * revised |
| * S5-212178 | * 12/03/2021 17:38:04 | * available |
| * S5-212179 | * 12/03/2021 17:38:15 | * agreed |
| * S5-212180 | * 12/03/2021 17:38:09 | * agreed |
| * S5-212181 | * 12/03/2021 17:38:29 | * revised |
| * S5-212182 | * 12/03/2021 17:38:46 | * revised |
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| * S5-212184 | * 12/03/2021 17:40:17 | * available |
| * S5-212185 | * 12/03/2021 17:40:23 | * available |
| * S5-212186 | * 12/03/2021 17:40:28 | * available |
| * S5-212187 | * 12/03/2021 17:40:32 | * available |
| * S5-212188 | * 12/03/2021 17:05:06 | * agreed |
| * S5-212189 | * 12/03/2021 17:24:51 | * revised |
| * S5-212190 | * 12/03/2021 17:25:00 | * revised |
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| * S5-212194 | * 12/03/2021 14:12:37 | * revised |
| * S5-212195 | * 12/03/2021 16:05:01 | * noted |
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| * S5-212205 | * 12/03/2021 14:48:03 | * revised |
| * S5-212206 | * 12/03/2021 14:48:12 | * revised |
| * S5-212207 | * 12/03/2021 14:50:14 | * approved |
| * S5-212208 | * 12/03/2021 14:50:27 | * revised |
| * S5-212209 | * 12/03/2021 14:51:19 | * revised |
| * S5-212210 | * 12/03/2021 14:51:37 | * revised |
| * S5-212211 | * 12/03/2021 16:05:27 | * available |
| * S5-212212 | * 12/03/2021 16:05:53 | * revised |
| * S5-212213 | * 12/03/2021 14:21:04 | * noted |
| * S5-212214 | * 12/03/2021 16:05:31 | * noted |
| * S5-212215 | * 12/03/2021 14:16:39 | * revised |
| * S5-212216 | * 12/03/2021 16:05:38 | * available |
| * S5-212217 | * 12/03/2021 14:18:23 | * revised |
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| * S5-212219 | * 12/03/2021 14:19:05 | * revised |
| * S5-212220 | * 12/03/2021 14:19:16 | * revised |
| * S5-212221 | * 12/03/2021 14:19:33 | * revised |
| * S5-212222 | * 12/03/2021 14:19:44 | * revised |
| * S5-212223 | * 12/03/2021 15:19:33 | * noted |
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| * S5-212226 | * 12/03/2021 16:16:46 | * revised |
| * S5-212227 | * 12/03/2021 16:17:41 | * revised |
| * S5-212228 | * 12/03/2021 16:16:58 | * noted |
| * S5-212229 | * 12/03/2021 16:17:53 | * approved |
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| * S5-212232 | * 12/03/2021 16:07:22 | * approved |
| * S5-212233 | * 12/03/2021 16:17:59 | * noted |
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| * S5-212236 | * 12/03/2021 16:15:27 | * noted |
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| * S5-212238 | * 12/03/2021 17:39:14 | * revised |
| * S5-212239 | * 12/03/2021 17:39:17 | * agreed |
| * S5-212240 | * 12/03/2021 17:39:26 | * revised |
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| * S5-212242 | * 12/03/2021 16:26:08 | * noted |
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| * S5-212245 | * 12/03/2021 14:48:16 | * noted |
| * S5-212246 | * 12/03/2021 14:48:25 | * revised |
| * S5-212247 | * 12/03/2021 14:48:39 | * revised |
| * S5-212248 | * 12/03/2021 14:48:48 | * revised |
| * S5-212249 | * 12/03/2021 16:04:50 | * revised |
| * S5-212250 | * 12/03/2021 16:25:20 | * noted |
| * S5-212251 | * 12/03/2021 17:40:46 | * revised |
| * S5-212252 | * 12/03/2021 17:41:10 | * revised |
| * S5-212254 | * 12/03/2021 17:40:58 | * available |
| * S5-212255 | * 12/03/2021 17:41:18 | * noted |
| * S5-212256 | * 12/03/2021 17:41:19 | * noted |
| * S5-212257 | * 12/03/2021 17:05:13 | * revised |
| * S5-212258 | * 12/03/2021 17:05:24 | * agreed |
| * S5-212259 | * 12/03/2021 17:05:33 | * revised |
| * S5-212260 | * 12/03/2021 17:05:45 | * revised |
| * S5-212261 | * 12/03/2021 17:06:00 | * available |
| * S5-212262 | * 12/03/2021 17:07:14 | * revised |
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| * S5-212264 | * 12/03/2021 17:07:40 | * revised |
| * S5-212266 | * 12/03/2021 17:23:51 | * available |
| * S5-212267 | * 12/03/2021 17:30:35 | * revised |
| * S5-212268 | * 12/03/2021 17:30:48 | * revised |
| * S5-212269 | * 12/03/2021 16:19:28 | * noted |
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| * S5-212274 | * 12/03/2021 07:59:01 | * noted |
| * S5-212275 | * 12/03/2021 14:41:39 | * noted |
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| * S5-212277 | * 12/03/2021 12:35:41 | * agreed |
| * S5-212278 | * 12/03/2021 17:39:38 | * available |
| * S5-212279 | * 12/03/2021 14:38:05 | * revised |
| * S5-212280 | * 12/03/2021 14:38:25 | * revised |
| * S5-212281 | * 12/03/2021 16:25:28 | * revised |
| * S5-212283 | * 12/03/2021 14:20:14 | * revised |
| * S5-212284 | * 12/03/2021 16:25:54 | * noted |
| * S5-212285 | * 12/03/2021 14:20:24 | * revised |
| * S5-212286 | * 12/03/2021 16:25:57 | * noted |
| * S5-212287 | * 12/03/2021 14:34:44 | * available |
| * S5-212287 | * 12/03/2021 17:01:45 | * merged |
| * S5-212288 | * 12/03/2021 14:21:35 | * available |
| * S5-212288 | * 12/03/2021 17:01:21 | * merged |
| * S5-212289 | * 12/03/2021 14:43:49 | * available |
| * S5-212289 | * 12/03/2021 17:01:24 | * merged |
| * S5-212290 | * 12/03/2021 15:18:19 | * available |
| * S5-212292 | * 12/03/2021 14:33:18 | * agreed |
| * S5-212293 | * 12/03/2021 14:33:21 | * agreed |
| * S5-212294 | * 12/03/2021 15:15:34 | * available |
| * S5-212295 | * 12/03/2021 12:36:45 | * revised |
| * S5-212296 | * 12/03/2021 15:17:21 | * available |
| * S5-212297 | * 12/03/2021 12:36:16 | * revised |
| * S5-212298 | * 12/03/2021 12:36:28 | * revised |
| * S5-212299 | * 12/03/2021 15:17:28 | * noted |
| * S5-212300 | * 12/03/2021 15:16:33 | * revised |
| * S5-212301 | * 12/03/2021 14:44:00 | * agreed |
| * S5-212302 | * 12/03/2021 14:08:40 | * revised |
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| * S5-212304 | * 12/03/2021 15:15:51 | * available |
| * S5-212305 | * 12/03/2021 17:04:19 | * postponed |
| * S5-212306 | * 12/03/2021 15:18:10 | * available |
| * S5-212307 | * 12/03/2021 07:34:53 | * noted |
| * S5-212308 | * 12/03/2021 07:58:01 | * noted |
| * S5-212309 | * 12/03/2021 07:32:48 | * replied to |
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| * S5-212311 | * 12/03/2021 07:35:04 | * noted |
| * S5-212312 | * 15/03/2021 07:43:18 | * approved |
| * S5-212313 | * 12/03/2021 10:04:52 | * noted |
| * S5-212314 | * 15/03/2021 14:26:27 | * agreed |
| * S5-212315 | * 12/03/2021 14:25:48 | * agreed |
| * S5-212316 | * 12/03/2021 14:27:50 | * agreed |
| * S5-212319 | * 17/03/2021 08:03:47 | * approved |
| * S5-212320 | * 15/03/2021 11:30:26 | * approved |
| * S5-212321 | * 15/03/2021 11:38:39 | * agreed |
| * S5-212322 | * 15/03/2021 09:50:42 | * agreed |
| * S5-212323 | * 15/03/2021 11:38:40 | * agreed |
| * S5-212324 | * 15/03/2021 09:50:52 | * agreed |
| * S5-212325 | * 13/03/2021 08:51:53 | * noted |
| * S5-212326 | * 13/03/2021 08:52:51 | * noted |
| * S5-212328 | * 16/03/2021 07:11:48 | * approved |
| * S5-212329 | * 13/03/2021 09:01:51 | * reserved |
| * S5-212330 | * 12/03/2021 10:04:16 | * reserved |
| * S5-212331 | * 12/03/2021 10:07:21 | * agreed |
| * S5-212332 | * 12/03/2021 10:07:47 | * agreed |
| * S5-212333 | * 12/03/2021 12:35:36 | * agreed |
| * S5-212334 | * 12/03/2021 12:35:58 | * agreed |
| * S5-212335 | * 12/03/2021 12:36:17 | * agreed |
| * S5-212336 | * 12/03/2021 12:36:29 | * agreed |
| * S5-212337 | * 12/03/2021 12:36:46 | * agreed |
| * S5-212338 | * 13/03/2021 09:05:07 | * agreed |
| * S5-212338 | * 16/03/2021 13:40:39 | * revised |
| * S5-212339 | * 12/03/2021 14:12:26 | * agreed |
| * S5-212340 | * 12/03/2021 14:12:38 | * agreed |
| * S5-212341 | * 12/03/2021 14:15:33 | * agreed |
| * S5-212342 | * 12/03/2021 14:15:43 | * agreed |
| * S5-212343 | * 12/03/2021 14:16:00 | * agreed |
| * S5-212344 | * 12/03/2021 14:16:08 | * agreed |
| * S5-212345 | * 12/03/2021 14:16:40 | * agreed |
| * S5-212346 | * 12/03/2021 14:18:24 | * agreed |
| * S5-212347 | * 12/03/2021 14:19:07 | * reserved |
| * S5-212348 | * 12/03/2021 14:19:19 | * agreed |
| * S5-212349 | * 12/03/2021 14:19:35 | * agreed |
| * S5-212350 | * 12/03/2021 14:19:45 | * agreed |
| * S5-212351 | * 12/03/2021 14:20:15 | * agreed |
| * S5-212352 | * 12/03/2021 14:20:25 | * agreed |
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| * S5-212354 | * 12/03/2021 14:34:09 | * agreed |
| * S5-212355 | * 12/03/2021 14:35:43 | * agreed |
| * S5-212356 | * 12/03/2021 14:36:12 | * agreed |
| * S5-212357 | * 12/03/2021 14:36:22 | * agreed |
| * S5-212358 | * 12/03/2021 14:36:30 | * agreed |
| * S5-212359 | * 12/03/2021 14:36:42 | * agreed |
| * S5-212360 | * 12/03/2021 14:37:07 | * approved |
| * S5-212361 | * 12/03/2021 14:37:18 | * approved |
| * S5-212362 | * 12/03/2021 14:42:00 | * agreed |
| * S5-212363 | * 12/03/2021 14:42:42 | * agreed |
| * S5-212364 | * 12/03/2021 14:42:50 | * agreed |
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| * S5-212366 | * 12/03/2021 14:45:21 | * agreed |
| * S5-212367 | * 12/03/2021 14:45:39 | * agreed |
| * S5-212368 | * 17/03/2021 08:03:55 | * agreed |
| * S5-212369 | * 15/03/2021 12:37:45 | * agreed |
| * S5-212370 | * 15/03/2021 11:30:34 | * agreed |
| * S5-212371 | * 15/03/2021 11:30:36 | * agreed |
| * S5-212372 | * 15/03/2021 11:30:39 | * agreed |
| * S5-212373 | * 15/03/2021 08:34:04 | * agreed |
| * S5-212374 | * 15/03/2021 08:34:10 | * agreed |
| * S5-212375 | * 12/03/2021 14:08:41 | * agreed |
| * S5-212376 | * 15/03/2021 09:50:47 | * agreed |
| * S5-212379 | * 16/03/2021 15:17:59 | * agreed |
| * S5-212382 | * 12/03/2021 14:46:14 | * reserved |
| * S5-212383 | * 12/03/2021 14:46:57 | * approved |
| * S5-212384 | * 12/03/2021 14:47:18 | * approved |
| * S5-212385 | * 12/03/2021 14:47:42 | * approved |
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| * S5-212387 | * 12/03/2021 14:48:13 | * approved |
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| * S5-212389 | * 12/03/2021 14:48:40 | * approved |
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| * S5-212393 | * 12/03/2021 14:53:01 | * approved |
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| * S5-212399 | * 12/03/2021 15:19:59 | * agreed |
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| * S5-212413 | * 12/03/2021 16:16:16 | * approved |
| * S5-212414 | * 12/03/2021 16:16:26 | * approved |
| * S5-212415 | * 12/03/2021 16:16:34 | * approved |
| * S5-212416 | * 12/03/2021 16:17:19 | * approved |
| * S5-212417 | * 12/03/2021 16:17:42 | * approved |
| * S5-212418 | * 12/03/2021 16:21:37 | * approved |
| * S5-212419 | * 12/03/2021 16:23:37 | * approved |
| * S5-212420 | * 12/03/2021 16:23:46 | * approved |
| * S5-212421 | * 12/03/2021 16:24:00 | * approved |
| * S5-212422 | * 12/03/2021 16:24:11 | * approved |
| * S5-212423 | * 12/03/2021 16:24:49 | * noted |
| * S5-212424 | * 12/03/2021 16:25:34 | * approved |
| * S5-212425 | * 12/03/2021 16:26:17 | * approved |
| * S5-212429 | * 13/03/2021 09:10:46 | * approved |
| * S5-212430 | * 16/03/2021 07:11:54 | * approved |
| * S5-212431 | * 13/03/2021 09:10:53 | * approved |
| * S5-212432 | * 13/03/2021 09:10:58 | * approved |
| * S5-212433 | * 13/03/2021 09:11:02 | * approved |
| * S5-212434 | * 17/03/2021 08:13:29 | * approved |
| * S5-212435 | * 13/03/2021 09:11:18 | * approved |
| * S5-212436 | * 13/03/2021 09:11:22 | * approved |
| * S5-212437 | * 13/03/2021 09:11:28 | * approved |
| * S5-212439 | * 13/03/2021 09:11:39 | * approved |
| * S5-212440 | * 15/03/2021 08:34:17 | * approved |
| * S5-212441 | * 13/03/2021 09:11:43 | * approved |
| * S5-212442 | * 12/03/2021 14:52:05 | * approved |
| * S5-212443 | * 12/03/2021 14:50:29 | * approved |
| * S5-212444 | * 15/03/2021 07:43:30 | * approved |
| * S5-212445 | * 12/03/2021 16:18:50 | * approved |
| * S5-212446 | * 12/03/2021 16:24:29 | * approved |
| * S5-212447 | * 12/03/2021 16:16:47 | * approved |
| * S5-212448 | * 12/03/2021 14:51:55 | * approved |
| * S5-212457 | * 12/03/2021 17:33:49 | * agreed |
| * S5-212458 | * 12/03/2021 17:03:58 | * noted |
| * S5-212458 | * 12/03/2021 17:04:06 | * approved |
| * S5-212459 | * 12/03/2021 17:39:27 | * agreed |
| * S5-212460 | * 12/03/2021 17:05:14 | * agreed |
| * S5-212461 | * 12/03/2021 17:05:34 | * agreed |
| * S5-212463 | * 12/03/2021 17:05:46 | * agreed |
| * S5-212464 | * 12/03/2021 17:06:18 | * approved |
| * S5-212465 | * 13/03/2021 09:11:52 | * approved |
| * S5-212466 | * 12/03/2021 17:09:09 | * approved |
| * S5-212467 | * 12/03/2021 17:09:30 | * approved |
| * S5-212468 | * 13/03/2021 09:11:56 | * approved |
| * S5-212469 | * 12/03/2021 17:13:06 | * approved |
| * S5-212471 | * 12/03/2021 17:24:52 | * approved |
| * S5-212472 | * 12/03/2021 17:25:01 | * approved |
| * S5-212473 | * 13/03/2021 09:12:08 | * approved |
| * S5-212474 | * 13/03/2021 09:12:03 | * approved |
| * S5-212475 | * 12/03/2021 17:29:25 | * approved |
| * S5-212476 | * 12/03/2021 17:30:18 | * approved |
| * S5-212477 | * 12/03/2021 17:30:38 | * approved |
| * S5-212478 | * 12/03/2021 17:30:51 | * approved |
| * S5-212479 | * 13/03/2021 09:12:22 | * approved |
| * S5-212480 | * 12/03/2021 17:32:26 | * agreed |
| * S5-212481 | * 12/03/2021 17:32:35 | * agreed |
| * S5-212482 | * 12/03/2021 17:33:05 | * revised |
| * S5-212483 | * 12/03/2021 17:34:04 | * agreed |
| * S5-212484 | * 12/03/2021 17:34:12 | * agreed |
| * S5-212485 | * 12/03/2021 17:34:21 | * agreed |
| * S5-212486 | * 12/03/2021 17:34:31 | * agreed |
| * S5-212487 | * 12/03/2021 17:34:44 | * agreed |
| * S5-212488 | * 12/03/2021 17:34:52 | * agreed |
| * S5-212489 | * 12/03/2021 17:35:02 | * agreed |
| * S5-212490 | * 12/03/2021 17:35:22 | * agreed |
| * S5-212491 | * 12/03/2021 17:37:41 | * agreed |
| * S5-212492 | * 12/03/2021 17:37:51 | * agreed |
| * S5-212493 | * 12/03/2021 17:38:00 | * agreed |
| * S5-212494 | * 12/03/2021 17:38:31 | * agreed |
| * S5-212495 | * 12/03/2021 17:38:47 | * agreed |
| * S5-212496 | * 12/03/2021 17:39:06 | * agreed |
| * S5-212497 | * 12/03/2021 17:39:15 | * agreed |
| * S5-212498 | * 12/03/2021 17:39:54 | * agreed |
| * S5-212499 | * 12/03/2021 17:40:49 | * agreed |
| * S5-212500 | * 12/03/2021 17:41:13 | * approved |
| * S5-212501 | * 12/03/2021 17:04:48 | * noted |
| * S5-212502 | * 13/03/2021 09:13:04 | * agreed |
| * S5-212503 | * 12/03/2021 17:06:29 | * approved |
| * S5-212504 | * 12/03/2021 17:07:41 | * approved |
| * S5-212505 | * 12/03/2021 17:09:18 | * approved |
| * S5-212506 | * 12/03/2021 17:09:41 | * approved |
| * S5-212507 | * 12/03/2021 17:33:25 | * agreed |
| * S5-212508 | * 12/03/2021 17:33:06 | * agreed |

## Annex B: List of change requests

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| * S5-212128 | * Rel-17 CR TS 28.310 Add use case and requirements for switching off edge UPFs | * Orange, AT&T, Deutsche Telekom,Telefonica | * 28.310 | * 0010 | * - | * Rel-17 | * B | * EE5GPLUS | * revised |
| * S5-212398 | * Rel-17 CR TS 28.310 Add use case and requirements for switching off edge UPFs | * Orange, AT&T, Deutsche Telekom,Telefonica | * 28.310 | * 0010 | * 1 | * Rel-17 | * B | * EE5GPLUS | * agreed |
| * S5-212157 | * Update of PCI configuration for D-SON and C-SON | * Huawei Telecommunication India | * 28.313 | * 0015 | * - | * Rel-16 | * F | * SON\_5G | * not pursued |
| * S5-212159 | * Update of PCI configuration for D-SON and C-SON | * Huawei Telecommunication India | * 28.313 | * 0016 | * - | * Rel-17 | * A | * SON\_5G | * not pursued |
| * S5-212291 | * Requirements, use cases and services for C-PCI | * Ericsson France S.A.S | * 28.313 | * 0017 | * - | * Rel-18 | * B | * eSON\_5G | * revised |
| * S5-212306 | * Requirements, use cases and services for C-PCI | * Ericsson France S.A.S | * 28.313 | * 0017 | * 1 | * Rel-17 | * B | * eSON\_5G | * not pursued |
| * S5-212196 | * Add requirements of closed loop SLS assurance | * Huawei Telecommunication India | * 28.530 | * 0043 | * - | * Rel-17 | * B | * eCOSLA | * not pursued |
| * S5-212280 | * Handling of slice input data | * Ericsson | * 28.530 | * 0044 | * - | * Rel-17 | * C | * EMA5SLA | * revised |
| * S5-212374 | * Handling of slice input data | * Ericsson,Deutsche Telekom | * 28.530 | * 0044 | * 1 | * Rel-17 | * C | * EMA5SLA | * agreed |
| * S5-212075 | * Rel-16 CR 28.532 Correct definitions for the File MnS (stage 2) | * Nokia, Nokia Shanghai Bell | * 28.532 | * 0163 | * 1 | * Rel-16 | * F | * 5G\_SLICE\_ePA | * revised |
| * S5-212370 | * Rel-16 CR 28.532 Correct definitions for the File MnS (stage 2) | * Nokia, Nokia Shanghai Bell | * 28.532 | * 0163 | * 2 | * Rel-16 | * F | * 5G\_SLICE\_ePA | * agreed |
| * S5-212076 | * Rel-16 CR 28.532 Correct definitions for the File MnS (REST SS) | * Nokia; Nokia Shanghai Bell | * 28.532 | * 0164 | * 1 | * Rel-16 | * F | * 5G\_SLICE\_ePA | * revised |
| * S5-212371 | * Rel-16 CR 28.532 Correct definitions for the File MnS (REST SS) | * Nokia; Nokia Shanghai Bell | * 28.532 | * 0164 | * 2 | * Rel-16 | * F | * 5G\_SLICE\_ePA | * agreed |
| * S5-212077 | * Rel-16 CR 28.532 Correct definitions for the File MnS (OpenAPI definitions) | * Nokia, Nokia Shanghai Bell | * 28.532 | * 0165 | * 1 | * Rel-16 | * F | * 5G\_SLICE\_ePA | * revised |
| * S5-212372 | * Rel-16 CR 28.532 Correct definitions for the File MnS (OpenAPI definitions) | * Nokia, Nokia Shanghai Bell | * 28.532 | * 0165 | * 2 | * Rel-16 | * F | * 5G\_SLICE\_ePA | * agreed |
| * S5-212201 | * Rel-16 CR TS 28.532 Correct the misalignment information for stage 2 Fault Supervision MnS | * Huawei | * 28.532 | * 0168 | * - | * Rel-16 | * F | * TEI16 | * revised |
| * S5-212334 | * Rel-16 CR TS 28.532 Correct the misalignment information for stage 2 Fault Supervision MnS | * Huawei | * 28.532 | * 0168 | * 1 | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-212224 | * Rel-17 CR 28.532 Add operations for discovery of management services | * Huawei | * 28.532 | * 0169 | * - | * Rel-17 | * B | * 5GDMS | * not pursued |
| * S5-212276 | * Rel-16 CR 28.532 Correct some minor errors in the Fault MnS definition (REST SS) | * Nokia, Nokia Shanghai Bell | * 28.532 | * 0170 | * - | * Rel-16 | * F | * TEI16 | * revised |
| * S5-212333 | * Rel-16 CR 28.532 Correct some minor errors in the Fault MnS definition (REST SS) | * Nokia, Nokia Shanghai Bell | * 28.532 | * 0170 | * 1 | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-212277 | * Rel-16 CR 28.532 Correct some minor errors in the Prov MnS definition (REST SS) | * Nokia, Nokia Shanghai Bell | * 28.532 | * 0171 | * - | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-212107 | * Rel-16 CR 28.535 Clean up the business level use cases and requirements | * Nokia Germany | * 28.535 | * 0031 | * - | * Rel-16 | * F | * COSLA | * merged |
| * S5-212108 | * Rel-16 CR 28.535 Clean up the concepts and background | * Nokia Germany | * 28.535 | * 0032 | * - | * Rel-16 | * F | * COSLA | * not pursued |
| * S5-212109 | * Rel-16 CR 28.535 Clean up the specification level use cases and requirements | * Nokia Germany | * 28.535 | * 0033 | * - | * Rel-16 | * F | * COSLA | * merged |
| * S5-212294 | * Rel 17 CR TS28.535 Add Use Case on ACCL Goal translation | * Lenovo, Motorola Mobility | * 28.535 | * 0034 | * - | * Rel-17 | * B | * eCOSLA | * not pursued |
| * S5-212295 | * Remove use cases clause 5.1.3 and 5.1.4 | * Ericsson LM, Deutsche Telekom AG, Huawei | * 28.535 | * 0035 | * - | * Rel-16 | * F | * COSLA | * revised |
| * S5-212337 | * Remove use cases clause 5.1.3 and 5.1.4 | * Ericsson LM, Deutsche Telekom AG, Huawei | * 28.535 | * 0035 | * 1 | * Rel-16 | * F | * COSLA | * agreed |
| * S5-212297 | * Update use cases and requirements to replace communication service | * Ericsson LM, Deutsche Telekom AG, Huawei | * 28.535 | * 0036 | * - | * Rel-16 | * F | * COSLA | * revised |
| * S5-212335 | * Update use cases and requirements to replace communication service | * Ericsson LM, Deutsche Telekom AG, Huawei | * 28.535 | * 0036 | * 1 | * Rel-16 | * F | * COSLA | * agreed |
| * S5-212298 | * Update use cases and requirements to replace communication service | * Ericsson LM, Deutsche Telekom AG, Huawei | * 28.535 | * 0037 | * - | * Rel-17 | * A | * COSLA | * revised |
| * S5-212336 | * Update use cases and requirements to replace communication service | * Ericsson LM, Deutsche Telekom AG, Huawei | * 28.535 | * 0037 | * 1 | * Rel-17 | * A | * COSLA | * agreed |
| * S5-212303 | * Add editors note to clause 5.1.3 and 5.1.4 | * Ericsson LM, Deutsche Telekom AG, Huawei | * 28.535 | * 0038 | * - | * Rel-17 | * F | * eCOSLA | * not pursued |
| * S5-212304 | * Add lifecycle of closed control loop and clarify relationship between CSA and intent | * Ericsson LM, Deutsche Telekom AG | * 28.535 | * 0039 | * - | * Rel-17 | * B | * eCOSLA | * not pursued |
| * S5-212314 | * Rel-16 CR 28.536 Correct OpenAPI definition of the COSLA NRM | * Ericsson | * 28.536 | * 0019 | * 3 | * Rel-16 | * F | * COSLA | * agreed |
| * S5-212110 | * Rel-16 CR 28.536 Clean up the Stage 2 model | * Nokia Germany | * 28.536 | * 0024 | * - | * Rel-16 | * F | * COSLA | * not pursued |
| * S5-212204 | * Rel-16 CR TS 28.536 Correct the misalignment information for COSLA | * Huawei,Ericsson | * 28.536 | * 0025 | * - | * Rel-16 | * F | * COSLA | * revised |
| * S5-212338 | * Rel-16 CR TS 28.536 Correct the misalignment information for COSLA | * Huawei,Ericsson | * 28.536 | * 0025 | * 1 | * Rel-16 | * F | * COSLA | * revised |
| * S5-212379 | * Rel-16 CR TS 28.536 Correct the misalignment information for COSLA | * Huawei,Ericsson | * 28.536 | * 0025 | * 2 | * Rel-16 | * F | * COSLA | * agreed |
| * S5-212296 | * Rel 17 CR TS28.536 Solution for configuring conditions for ACCL state change | * Lenovo, Motorola Mobility | * 28.536 | * 0026 | * - | * Rel-17 | * B | * eCOSLA | * not pursued |
| * S5-212302 | * Rel 16 CR TS 28.536 add explanation for Entities in loop | * Lenovo, Motorola Mobility | * 28.536 | * 0027 | * - | * Rel-16 | * F | * COSLA | * revised |
| * S5-212375 | * Rel 16 CR TS 28.536 add explanation for Entities in loop | * Lenovo, Motorola Mobility | * 28.536 | * 0027 | * 1 | * Rel-16 | * F | * COSLA | * agreed |
| * S5-212282 | * Rel-16 CR 28.541 Correction of ServiceProfile attributes | * Ericsson LM | * 28.541 | * 0429 | * 2 | * Rel-16 | * F | * eNRM | * withdrawn |
| * S5-212283 | * Rel-16 CR 28.541 Correction of ServiceProfile attributes | * Ericsson LM | * 28.541 | * 0429 | * 3 | * Rel-16 | * F | * eNRM | * revised |
| * S5-212351 | * Rel-16 CR 28.541 Correction of ServiceProfile attributes | * Ericsson LM | * 28.541 | * 0429 | * 4 | * Rel-16 | * F | * eNRM | * agreed |
| * S5-212285 | * Rel-17 CR 28.541 Correction of ServiceProfile attributes | * Ericsson LM | * 28.541 | * 0430 | * 2 | * Rel-17 | * A | * eNRM | * revised |
| * S5-212352 | * Rel-17 CR 28.541 Correction of ServiceProfile attributes | * Ericsson LM | * 28.541 | * 0430 | * 3 | * Rel-17 | * A | * eNRM | * not pursued |
| * S5-212215 | * Rel-16 CR TS 28.541 Correct the NF name in definition of EP\_NgU | * China Telecommunications, Huawei | * 28.541 | * 0434 | * 2 | * Rel-16 | * A | * NETSLICE-5GNRM | * revised |
| * S5-212345 | * Rel-16 CR TS 28.541 Correct the NF name in definition of EP\_NgU | * China Telecommunications, Huawei | * 28.541 | * 0434 | * 3 | * Rel-16 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-212217 | * Rel-17 CR TS 28.541 Correct the NF name in definition of EP\_NgU | * China Telecommunications, Huawei | * 28.541 | * 0435 | * 2 | * Rel-17 | * A | * NETSLICE-5GNRM | * revised |
| * S5-212346 | * Rel-17 CR TS 28.541 Correct the NF name in definition of EP\_NgU | * China Telecommunications, Huawei | * 28.541 | * 0435 | * 3 | * Rel-17 | * A | * NETSLICE-5GNRM | * agreed |
| * S5-212202 | * Rel-16 CR TS 28.541 Correct multiplicity issue for several attributes of NR NRM | * Huawei | * 28.541 | * 0441 | * 1 | * Rel-16 | * F | * eNRM | * revised |
| * S5-212343 | * Rel-16 CR TS 28.541 Correct multiplicity issue for several attributes of NR NRM | * Huawei | * 28.541 | * 0441 | * 2 | * Rel-16 | * F | * eNRM | * agreed |
| * S5-212203 | * Rel-17 CR TS 28.541 Correct multiplicity issue for several attributes of NR NRM | * Huawei | * 28.541 | * 0442 | * 1 | * Rel-17 | * A | * eNRM | * revised |
| * S5-212344 | * Rel-17 CR TS 28.541 Correct multiplicity issue for several attributes of NR NRM | * Huawei | * 28.541 | * 0442 | * 2 | * Rel-17 | * A | * eNRM | * agreed |
| * S5-212315 | * Rel-16 fix containment relationship for EP\_Transport IOC | * Nokia | * 28.541 | * 0444 | * 2 | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-212316 | * Rel-17 fix containment relationship for EP\_Transport IOC | * Nokia | * 28.541 | * 0445 | * 2 | * Rel-17 | * A | * TEI16 | * agreed |
| * S5-212027 | * Remove the XML Solution set | * Ericsson Hungary Ltd | * 28.541 | * 0456 | * - | * Rel-16 | * C | * eNRM | * not pursued |
| * S5-212028 | * Remove the XML Solution set | * Ericsson Hungary Ltd | * 28.541 | * 0457 | * - | * Rel-17 | * C | * adNRM | * agreed |
| * S5-212038 | * YANG NRM for Network Slicing | * Cisco Systems Belgium | * 28.541 | * 0458 | * - | * Rel-17 | * B | * adNRM | * merged |
| * S5-212079 | * Update the information model definitions for network slice NRM | * China Mobile Com. Corporation | * 28.541 | * 0459 | * - | * Rel-17 | * B | * EMA5SLA | * revised |
| * S5-212362 | * Update the information model definitions for network slice NRM | * China Mobile Com. Corporation | * 28.541 | * 0459 | * 1 | * Rel-17 | * B | * EMA5SLA | * agreed |
| * S5-212192 | * Update of the PCI and DESManagementFunction | * Huawei Telecommunication India | * 28.541 | * 0460 | * - | * Rel-16 | * F | * EE\_5G | * revised |
| * S5-212339 | * Update of the PCI and DESManagementFunction | * Huawei Telecommunication India | * 28.541 | * 0460 | * 1 | * Rel-16 | * F | * EE\_5G | * agreed |
| * S5-212194 | * Update of the PCI and DESManagementFunction | * Huawei Telecommunication India | * 28.541 | * 0461 | * - | * Rel-17 | * A | * EE\_5G | * revised |
| * S5-212340 | * Update of the PCI and DESManagementFunction | * Huawei Telecommunication India | * 28.541 | * 0461 | * 1 | * Rel-17 | * A | * EE\_5G | * agreed |
| * S5-212197 | * Rel-17 CR TS 28.541 Enhance the NRM definitions to support NG-RAN network sharing | * ZTE | * 28.541 | * 0462 | * - | * Rel-17 | * B | * MANS | * not pursued |
| * S5-212198 | * Rel-16 CR TS 28.541 Correction on misalignment issues on EP\_Transport IOC | * Huawei | * 28.541 | * 0463 | * - | * Rel-16 | * F | * eNRM | * revised |
| * S5-212341 | * Rel-16 CR TS 28.541 Correction on misalignment issues on EP\_Transport IOC | * Huawei | * 28.541 | * 0463 | * 1 | * Rel-16 | * F | * eNRM | * not pursued |
| * S5-212199 | * Rel-17 CR TS 28.541 Correction on misalignment issues on EP\_Transport IOC | * Huawei | * 28.541 | * 0464 | * - | * Rel-17 | * A | * eNRM | * revised |
| * S5-212342 | * Rel-17 CR TS 28.541 Correction on misalignment issues on EP\_Transport IOC | * Huawei | * 28.541 | * 0464 | * 1 | * Rel-17 | * A | * eNRM | * not pursued |
| * S5-212220 | * Rel-15 CR 28.541 Correction to NSI and NSSI state management | * Huawei, Orange | * 28.541 | * 0465 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-212348 | * Rel-15 CR 28.541 Correction to NSI and NSSI state management | * Huawei, Orange,Telefonica | * 28.541 | * 0465 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-212221 | * Rel-16 CR 28.541 Correction to NSI and NSSI state management | * Huawei, Orange | * 28.541 | * 0466 | * - | * Rel-16 | * A | * NETSLICE-5GNRM | * revised |
| * S5-212349 | * Rel-16 CR 28.541 Correction to NSI and NSSI state management | * Huawei, Orange,Telefonica | * 28.541 | * 0466 | * 1 | * Rel-16 | * A | * NETSLICE-5GNRM | * agreed |
| * S5-212222 | * Rel-17 CR 28.541 Correction to NSI and NSSI state management | * Huawei, Orange | * 28.541 | * 0467 | * - | * Rel-17 | * A | * NETSLICE-5GNRM | * revised |
| * S5-212350 | * Rel-17 CR 28.541 Correction to NSI and NSSI state management | * Huawei, Orange,Telefonica | * 28.541 | * 0467 | * 1 | * Rel-17 | * A | * NETSLICE-5GNRM | * agreed |
| * S5-212270 | * RAN Sharing NRM support for MOCN | * Ericsson LM | * 28.541 | * 0468 | * - | * Rel-17 | * B | * MANS | * not pursued |
| * S5-212288 | * Correct NR endpoint classes containment in YANG | * Ericsson Hungary Ltd | * 28.541 | * 0469 | * - | * Rel-16 | * F | * eNRM | * not pursued |
| * S5-212289 | * Correct NR endpoint classes containment in YANG | * Ericsson Hungary Ltd | * 28.541 | * 0470 | * - | * Rel-17 | * A | * eNRM | * not pursued |
| * S5-212322 | * YANG update to follow stage 2 definitions and correct earlier YANG compilation errors. | * Ericsson | * 28.541 | * 0471 | * - | * Rel-16 | * F | * eNRM | * agreed |
| * S5-212324 | * YANG stage 3 for Slice management | * Ericsson | * 28.541 | * 0472 | * - | * Rel-17 | * F | * adNRM | * agreed |
| * S5-212321 | * Fix of compilation and other errors | * Nokia | * 28.541 | * 0473 | * - | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-212323 | * Fix compilation and other errors | * Nokia | * 28.541 | * 0474 | * - | * Rel-17 | * A | * TEI16 | * agreed |
| * S5-212271 | * Add missing Alarm Requirements and Use Cases | * Ericsson LM | * 28.545 | * 0010 | * - | * Rel-17 | * B | * TEI17 | * revised |
| * S5-212353 | * Add missing Alarm Requirements and Use Cases | * Ericsson LM | * 28.545 | * 0010 | * 1 | * Rel-17 | * B | * TEI17 | * agreed |
| * S5-212290 | * CHO measurements | * Ericsson France S.A.S | * 28.552 | * 0287 | * 1 | * Rel-17 | * B | * E\_HOO | * not pursued |
| * S5-212056 | * CR Rel-17 28.552 CR for WI ePM\_KPI\_5G converted from draftCR S5-211355 | * Intel | * 28.552 | * 0288 | * - | * Rel-17 | * B | * ePM\_KPI\_5G | * revised |
| * S5-212365 | * CR Rel-17 28.552 CR for WI ePM\_KPI\_5G converted from draftCR S5-211355 | * Intel | * 28.552 | * 0288 | * 1 | * Rel-17 | * B | * ePM\_KPI\_5G | * agreed |
| * S5-212057 | * CR Rel-17 28.552 Add measurements related data management for UDR | * Intel | * 28.552 | * 0289 | * - | * Rel-17 | * B | * ePM\_KPI\_5G | * revised |
| * S5-212366 | * CR Rel-17 28.552 Add measurements related data management for UDR | * Intel | * 28.552 | * 0289 | * 1 | * Rel-17 | * B | * ePM\_KPI\_5G | * agreed |
| * S5-212058 | * CR Rel-17 28.552 Add measurements related to background data transfer policy control for PCF | * Intel | * 28.552 | * 0290 | * - | * Rel-17 | * B | * ePM\_KPI\_5G | * agreed |
| * S5-212067 | * Rel-17 CR 28.552 Add measurements to cover all accessibility types | * Ericsson LM | * 28.552 | * 0291 | * - | * Rel-17 | * B | * ePM\_KPI\_5G | * revised |
| * S5-212367 | * Rel-17 CR 28.552 Add measurements to cover all accessibility types | * Ericsson LM | * 28.552 | * 0291 | * 1 | * Rel-17 | * B | * ePM\_KPI\_5G | * agreed |
| * S5-212069 | * Rel-16 CR 28.552 Update measurements to consider abnormal releases in RRC connected state | * Ericsson LM | * 28.552 | * 0292 | * - | * Rel-16 | * F | * 5G\_SLICE\_ePA | * agreed |
| * S5-212071 | * Rel-17 CR 28.552 Update measurements to consider abnormal releases in RRC connected state | * Ericsson LM | * 28.552 | * 0293 | * - | * Rel-17 | * A | * 5G\_SLICE\_ePA | * agreed |
| * S5-212130 | * Rel-17 CR TS 28.552 Add PLMN granularity for RRC connection number measurements | * China Telecom Corporation Ltd. | * 28.552 | * 0294 | * - | * Rel-17 | * B | * MANS | * revised |
| * S5-212400 | * Rel-17 CR TS 28.552 Add PLMN granularity for RRC connection number measurements | * China Telecom Corporation Ltd. | * 28.552 | * 0294 | * 1 | * Rel-17 | * B | * MANS | * agreed |
| * S5-212156 | * Rel-17 CR TS 28.552 Add PLMN granularity for packet delay measurements in split gNB scenario | * China Telecom Corporation Ltd., Ericsson | * 28.552 | * 0295 | * - | * Rel-17 | * B | * MANS | * agreed |
| * S5-212249 | * Rel-17 CR 28.552 Add Filter and Filter naming description | * Ericsson LM | * 28.552 | * 0296 | * - | * Rel-17 | * B | * MANS | * revised |
| * S5-212401 | * Rel-17 CR 28.552 Add Filter and Filter naming description | * Ericsson LM | * 28.552 | * 0296 | * 1 | * Rel-17 | * B | * MANS | * agreed |
| * S5-212292 | * Rel-16 CR 28.552 Message names correction | * Ericsson France S.A.S | * 28.552 | * 0297 | * - | * Rel-16 | * F | * 5G\_SLICE\_ePA | * agreed |
| * S5-212293 | * Rel-17 CR 28.552 Message names correction | * Ericsson France S.A.S | * 28.552 | * 0298 | * - | * Rel-17 | * A | * 5G\_SLICE\_ePA | * agreed |
| * S5-212068 | * Rel-17 CR 28.554 Update the Accessibility KPI to cover RRC Resume | * Ericsson LM | * 28.554 | * 0075 | * - | * Rel-17 | * B | * ePM\_KPI\_5G | * not pursued |
| * S5-212070 | * Rel-16 CR 28.554 Update retainability KPIs to consider abnormal releases in RRC connected state | * Ericsson LM | * 28.554 | * 0076 | * - | * Rel-16 | * F | * 5G\_SLICE\_ePA | * agreed |
| * S5-212072 | * Rel-17 CR 28.554 Update retainability KPIs to consider abnormal releases in RRC connected state | * Ericsson LM | * 28.554 | * 0077 | * - | * Rel-17 | * A | * 5G\_SLICE\_ePA | * agreed |
| * S5-212078 | * Rel-16 CR 28.622 Correct notification support table for ManagedElement and ManagementNode | * Nokia, Nokia Shanghai Bell | * 28.622 | * 0097 | * - | * Rel-16 | * F | * 5G\_SLICE\_ePA | * agreed |
| * S5-212089 | * Rel-17 CR 28.622 Clarify model for managed Management Functions | * Nokia, Nokia Shanghai Bell | * 28.622 | * 0098 | * - | * Rel-17 | * C | * adNRM | * not pursued |
| * S5-212200 | * Rel-16 CR TS 28.622 Correction of attribute properties and IOC inheritance description | * Huawei | * 28.622 | * 0099 | * - | * Rel-16 | * F | * eNRM | * revised |
| * S5-212354 | * Rel-16 CR TS 28.622 Correction of attribute properties and IOC inheritance description | * Huawei | * 28.622 | * 0099 | * 1 | * Rel-16 | * F | * eNRM | * agreed |
| * S5-212036 | * Remove unneeded solution sets | * Ericsson Hungary Ltd | * 28.623 | * 0123 | * - | * Rel-17 | * C | * adNRM | * not pursued |
| * S5-212287 | * Correct NtfSubscriptionControl containment in YANG | * Ericsson Hungary Ltd | * 28.623 | * 0124 | * - | * Rel-16 | * F | * eNRM | * not pursued |
| * S5-212376 | * YANG update to follow stage 2 definitions and correct earlier YANG compilation errors. | * Ericsson | * 28.623 | * 0125 | * - | * Rel-16 | * F | * eNRM | * agreed |
| * S5-212211 | * Rel-17 CR TS 32.130 Add business level requirements for NG-RAN MOCN network sharing | * Huawei,China Telecom,China Unicom | * 32.130 | * 0008 | * - | * Rel-17 | * B | * MANS | * not pursued |
| * S5-212212 | * Rel-17 CR TS 32.130 Update role definition and business requirements for network sharing | * Huawei,China Telecom,China Unicom | * 32.130 | * 0009 | * - | * Rel-17 | * B | * MANS | * revised |
| * S5-212402 | * Rel-17 CR TS 32.130 Update role definition and business requirements for network sharing | * Huawei,China Telecom,China Unicom | * 32.130 | * 0009 | * 1 | * Rel-17 | * B | * MANS | * agreed |
| * S5-212216 | * Rel-17 CR TS 32.130 add NG-RAN sharing deployment example in Annex | * ZTE | * 32.130 | * 0010 | * - | * Rel-17 | * B | * MANS | * not pursued |
| * S5-212131 | * Rel-17 CR TS 32.160 Update on template for requirement specifications | * Huawei | * 32.160 | * 0013 | * 1 | * Rel-17 | * C | * METHOGY, TEI17 | * revised |
| * S5-212329 | * Rel-17 CR TS 32.160 Update on template for requirement specifications | * Huawei | * 32.160 | * 0013 | * 2 | * Rel-17 | * C | * METHOGY, TEI17 | * not pursued |
| * S5-212301 | * Code begin end markers and longer prefix length | * Ericsson Hungary Ltd | * 32.160 | * 0016 | * - | * Rel-17 | * C | * adNRM | * agreed |
| * S5-212097 | * Rel-17 CR 32.240 Inclusive language review | * Nokia, Nokia Shanghai Bell | * 32.240 | * 0418 | * - | * Rel-17 | * F | * TEI17 | * agreed |
| * S5-212104 | * Rel-16 CR 32.240 Correction for Network Slice Charging | * Nokia, Nokia Shanghai Bell | * 32.240 | * 0419 | * - | * Rel-16 | * F | * 5GS\_NSMCH | * revised |
| * S5-212483 | * Rel-16 CR 32.240 Correction for Network Slice Charging | * Nokia, Nokia Shanghai Bell | * 32.240 | * 0419 | * 1 | * Rel-16 | * F | * 5GS\_NSMCH | * agreed |
| * S5-212105 | * Rel-17 CR 32.240 Correction for Network Slice Charging | * Nokia, Nokia Shanghai Bell | * 32.240 | * 0420 | * - | * Rel-17 | * A | * 5GS\_NSMCH | * revised |
| * S5-212484 | * Rel-17 CR 32.240 Correction for Network Slice Charging | * Nokia, Nokia Shanghai Bell | * 32.240 | * 0420 | * 1 | * Rel-17 | * A | * 5GS\_NSMCH | * agreed |
| * S5-212174 | * Rel-16 32.240 Add the CCS in the Definitions | * Huawei | * 32.240 | * 0421 | * - | * Rel-16 | * F | * TEI16 | * revised |
| * S5-212490 | * Rel-16 32.240 Add the CCS in the Definitions | * Huawei | * 32.240 | * 0421 | * 1 | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-212175 | * Rel-17 32.240 Add the CCS in the Definitions | * Huawei | * 32.240 | * 0422 | * - | * Rel-17 | * A | * TEI16 | * revised |
| * S5-212491 | * Rel-17 32.240 Add the CCS in the Definitions | * Huawei | * 32.240 | * 0422 | * 1 | * Rel-17 | * A | * TEI16 | * agreed |
| * S5-212167 | * Rel-16 32.255 charging id clarification | * Huawei | * 32.255 | * 0286 | * - | * Rel-16 | * F | * TEI16 | * revised |
| * S5-212485 | * Rel-16 32.255 charging id clarification | * Huawei | * 32.255 | * 0286 | * 1 | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-212168 | * Rel-17 32.255 charging id clarification | * Huawei | * 32.255 | * 0287 | * - | * Rel-17 | * A | * TEI16 | * revised |
| * S5-212486 | * Rel-17 32.255 charging id clarification | * Huawei | * 32.255 | * 0287 | * 1 | * Rel-17 | * A | * TEI16 | * agreed |
| * S5-212169 | * Rel-16 32.255 Trigger Override Clarification | * Huawei | * 32.255 | * 0288 | * - | * Rel-16 | * F | * TEI16 | * revised |
| * S5-212487 | * Rel-16 32.255 Trigger Override Clarification | * Huawei | * 32.255 | * 0288 | * 1 | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-212170 | * Rel-17 32.255 Trigger Override Clarification | * Huawei | * 32.255 | * 0289 | * - | * Rel-17 | * A | * TEI16 | * revised |
| * S5-212488 | * Rel-17 32.255 Trigger Override Clarification | * Huawei | * 32.255 | * 0289 | * 1 | * Rel-17 | * A | * TEI16 | * agreed |
| * S5-212179 | * Rel-16 32.255 Add the description for the trigger Condition | * Huawei | * 32.255 | * 0290 | * - | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-212180 | * Rel-17 32.255 Add the description for the trigger Condition | * Huawei | * 32.255 | * 0291 | * - | * Rel-17 | * A | * TEI16 | * agreed |
| * S5-212181 | * Rel-16 32.255 Correct the description for the Multiple UPFs | * Huawei | * 32.255 | * 0292 | * - | * Rel-16 | * F | * TEI16 | * revised |
| * S5-212494 | * Rel-16 32.255 Correct the description for the Multiple UPFs | * Huawei | * 32.255 | * 0292 | * 1 | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-212182 | * Rel-17 32.255 Correct the description for the Multiple UPFs | * Huawei | * 32.255 | * 0293 | * - | * Rel-17 | * A | * TEI16 | * revised |
| * S5-212495 | * Rel-17 32.255 Correct the description for the Multiple UPFs | * Huawei | * 32.255 | * 0293 | * 1 | * Rel-17 | * A | * TEI16 | * agreed |
| * S5-212237 | * Rel-16 CR 32.255 Correction of Termination action | * China Mobile Com. Corporation | * 32.255 | * 0294 | * - | * Rel-16 | * F | * TEI16 | * revised |
| * S5-212496 | * Rel-16 CR 32.255 Correction of Termination action | * China Mobile Com. Corporation | * 32.255 | * 0294 | * 1 | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-212238 | * Rel-17 CR 32.255 Correction of Termination action | * China Mobile Com. Corporation | * 32.255 | * 0295 | * - | * Rel-17 | * A | * TEI16 | * revised |
| * S5-212497 | * Rel-17 CR 32.255 Correction of Termination action | * China Mobile Com. Corporation | * 32.255 | * 0295 | * 1 | * Rel-17 | * A | * TEI16 | * agreed |
| * S5-212239 | * Rel-16 CR 32.255 Correction of Charging Id assigned by the V-SMF | * China Mobile Com. Corporation | * 32.255 | * 0296 | * - | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-212240 | * Rel-17 CR 32.255 Correction of Charging Id assigned by the V-SMF | * China Mobile Com. Corporation | * 32.255 | * 0297 | * - | * Rel-17 | * A | * TEI16 | * revised |
| * S5-212459 | * Rel-17 CR 32.255 Correction of Charging Id assigned by the V-SMF | * China Mobile Com. Corporation | * 32.255 | * 0297 | * 1 | * Rel-17 | * A | * TEI16 | * agreed |
| * S5-212254 | * Rel-17 CR 32.255 Correcting missing charging control policy data identifier | * Ericsson LM | * 32.255 | * 0298 | * - | * Rel-17 | * F | * TEI17 | * not pursued |
| * S5-212261 | * Rel-17 CR 32.255 Adding of annex for GERAN and UTRAN support | * Ericsson LM | * 32.255 | * 0299 | * - | * Rel-17 | * B | * TEI17\_NIESGU | * not pursued |
| * S5-212278 | * Rel-16 CR 32.255 Correcting QoS information description | * Ericsson LM | * 32.255 | * 0300 | * - | * Rel-16 | * F | * TEI16 | * not pursued |
| * S5-212098 | * Rel-16 CR 32.256 Correction on Registration flows and message content | * Nokia, Nokia Shanghai Bell | * 32.256 | * 0003 | * - | * Rel-16 | * F | * 5GS\_Ph1\_AMFCH | * agreed |
| * S5-212457 | * Rel-16 CR 32.256 Correction on UE MM Core Network Capability | * Nokia, Nokia Shanghai Bell | * 32.256 | * 0004 | * - | * Rel-16 | * F | * 5GS\_Ph1\_AMFCH | * agreed |
| * S5-212188 | * Rel-17 32.260 Correct the charging function | * Huawei | * 32.260 | * 0416 | * - | * Rel-17 | * F | * 5GSIMSCH | * agreed |
| * S5-212257 | * Rel-17 CR 32.260 Updating CDR handling for converged charging | * Ericsson LM | * 32.260 | * 0417 | * - | * Rel-17 | * F | * 5GSIMSCH | * revised |
| * S5-212460 | * Rel-17 CR 32.260 Updating CDR handling for converged charging | * Ericsson LM | * 32.260 | * 0417 | * 1 | * Rel-17 | * F | * 5GSIMSCH | * agreed |
| * S5-212258 | * Rel-17 CR 32.260 Use of IMS node instead of the explicit nodes | * Ericsson LM | * 32.260 | * 0418 | * - | * Rel-17 | * F | * 5GSIMSCH | * agreed |
| * S5-212259 | * Rel-17 CR 32.260 Adding converged charging to principles | * Ericsson LM | * 32.260 | * 0419 | * - | * Rel-17 | * B | * 5GSIMSCH | * revised |
| * S5-212461 | * Rel-17 CR 32.260 Adding converged charging to principles | * Ericsson LM | * 32.260 | * 0419 | * 1 | * Rel-17 | * B | * 5GSIMSCH | * agreed |
| * S5-212260 | * Rel-17 CR 32.281 Adding converged charging to scope | * Ericsson LM | * 32.281 | * 0010 | * - | * Rel-17 | * B | * 5GSIMSCH | * revised |
| * S5-212463 | * Rel-17 CR 32.281 Adding converged charging to scope | * Ericsson LM | * 32.281 | * 0010 | * 1 | * Rel-17 | * B | * 5GSIMSCH | * agreed |
| * S5-212176 | * Rel-16 32.290 Trigger Clarification | * Huawei | * 32.290 | * 0152 | * - | * Rel-16 | * F | * TEI16 | * revised |
| * S5-212492 | * Rel-16 32.290 Trigger Clarification | * Huawei | * 32.290 | * 0152 | * 1 | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-212177 | * Rel-17 32.290 Trigger Clarification | * Huawei | * 32.290 | * 0153 | * - | * Rel-17 | * A | * TEI16 | * revised |
| * S5-212493 | * Rel-17 32.290 Trigger Clarification | * Huawei | * 32.290 | * 0153 | * 1 | * Rel-17 | * A | * TEI16 | * agreed |
| * S5-212184 | * Rel-17 32.290 Add the QCT mechanism | * Huawei | * 32.290 | * 0154 | * - | * Rel-17 | * F | * TEI17 | * not pursued |
| * S5-212185 | * Rel-17 32.290 Add the QCT Information Element | * Huawei | * 32.290 | * 0155 | * - | * Rel-17 | * F | * TEI17 | * not pursued |
| * S5-212186 | * Rel-17 32.290 Add the Combinational quota mechanism | * Huawei | * 32.290 | * 0156 | * - | * Rel-17 | * F | * TEI17 | * not pursued |
| * S5-212187 | * Rel-17 32.290 Add the Combinational quota in Message | * Huawei | * 32.290 | * 0157 | * - | * Rel-17 | * F | * TEI17 | * not pursued |
| * S5-212251 | * Rel-17 CR 32.290 Correcting final unit handling | * Ericsson LM | * 32.290 | * 0158 | * - | * Rel-17 | * F | * TEI17 | * revised |
| * S5-212499 | * Rel-17 CR 32.290 Correcting final unit handling | * Ericsson LM | * 32.290 | * 0158 | * 1 | * Rel-17 | * F | * TEI17 | * agreed |
| * S5-212092 | * Rel-16 CR 32.291 Correction on different identities for NEF charging | * Nokia, Nokia Shanghai Bell | * 32.291 | * 0312 | * - | * Rel-16 | * F | * 5GS\_Ph1\_NEFCH | * revised |
| * S5-212480 | * Rel-16 CR 32.291 Correction on different identities for NEF charging | * Nokia, Nokia Shanghai Bell | * 32.291 | * 0312 | * 1 | * Rel-16 | * F | * 5GS\_Ph1\_NEFCH | * agreed |
| * S5-212095 | * Rel-16 CR 32.291 Correction on missing MnS producer | * Nokia, Nokia Shanghai Bell | * 32.291 | * 0313 | * - | * Rel-16 | * F | * 5GS\_NSMCH | * agreed |
| * S5-212100 | * Rel-16 CR 32.291 Correction on missing attributes for AMF charging | * Nokia, Nokia Shanghai Bell | * 32.291 | * 0314 | * - | * Rel-16 | * F | * 5GS\_Ph1\_AMFCH | * agreed |
| * S5-212171 | * Rel-16 32.291 Add the Bindings for NSM Charging | * Huawei | * 32.291 | * 0315 | * - | * Rel-16 | * F | * TEI16 | * revised |
| * S5-212489 | * Rel-16 32.291 Add the Bindings for NSM Charging | * Huawei | * 32.291 | * 0315 | * 1 | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-212172 | * Rel-16 32.291 support of stateless NF | * Huawei | * 32.291 | * 0316 | * - | * Rel-16 | * F | * TEI16 | * not pursued |
| * S5-212173 | * Rel-17 32.291 Optional header clearification | * Huawei | * 32.291 | * 0317 | * - | * Rel-17 | * F | * TEI17 | * revised |
| * S5-212498 | * Rel-17 32.291 Optional header clearification | * Huawei | * 32.291 | * 0317 | * 1 | * Rel-17 | * F | * TEI17 | * agreed |
| * S5-212502 | * Rel-16 CR 32.291 Update OpenAPI version | * Huawei | * 32.291 | * 0318 | * - | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-212093 | * Rel-16 CR 32.298 Correction on different identities for NEF charging | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0862 | * - | * Rel-16 | * F | * 5GS\_Ph1\_NEFCH | * revised |
| * S5-212481 | * Rel-16 CR 32.298 Correction on different identities for NEF charging | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0862 | * 1 | * Rel-16 | * F | * 5GS\_Ph1\_NEFCH | * agreed |
| * S5-212094 | * Rel-16 CR 32.298 Correction on user location information | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0863 | * - | * Rel-16 | * F | * TEI16 | * revised |
| * S5-212482 | * Rel-16 CR 32.298 Correction on user location information | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0863 | * 1 | * Rel-16 | * F | * TEI16 | * revised |
| * S5-212508 | * Rel-16 CR 32.298 Correction on user location information | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0863 | * 2 | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-212096 | * Rel-16 CR 32.298 Correction on missing MnS producer | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0864 | * - | * Rel-16 | * F | * 5GS\_NSMCH | * revised |
| * S5-212507 | * Rel-16 CR 32.298 Correction on missing MnS producer | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0864 | * 1 | * Rel-16 | * F | * 5GS\_NSMCH | * agreed |
| * S5-212099 | * Rel-16 CR 32.298 Correction on missing fields for CHF CDR - AMF | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0865 | * - | * Rel-16 | * F | * 5GS\_Ph1\_AMFCH | * agreed |
| * S5-212178 | * Rel-16 32.298 ECGI trigger and TAI trigger clarification | * Huawei | * 32.298 | * 0866 | * - | * Rel-16 | * F | * TEI16 | * not pursued |
| * S5-212253 | * Rel-16 CR 32.255 Correcting QoS information description | * Ericsson LM | * 32.355 | * 0001 | * - | * Rel-16 | * F | * TEI16 | * withdrawn |
| * S5-212144 | * Add new MR-DC related requirements | * Ericsson Japan K-K | * 32.421 | * 0098 | * - | * Rel-17 | * B | * e\_5GMDT | * agreed |
| * S5-212145 | * Add new clauses and clarification for MDT collection peroid in NR | * Ericsson Japan K-K | * 32.422 | * 0359 | * - | * Rel-16 | * F | * 5GMDT | * revised |
| * S5-212363 | * Add new clauses and clarification for MDT collection peroid in NR | * Ericsson Japan K-K | * 32.422 | * 0359 | * 1 | * Rel-16 | * A | * OAM11 | * agreed |
| * S5-212146 | * Add new clauses and clarification for MDT collection peroid in NR | * Ericsson Japan K-K | * 32.422 | * 0360 | * - | * Rel-17 | * A | * 5GMDT | * revised |
| * S5-212364 | * Add new clauses and clarification for MDT collection peroid in NR | * Ericsson Japan K-K | * 32.422 | * 0360 | * 1 | * Rel-17 | * A | * OAM11 | * agreed |
| * S5-212147 | * Correct MDT collection peroid in LTE | * Ericsson Japan K-K | * 32.422 | * 0361 | * - | * Rel-15 | * A | * OAM11 | * revised |
| * S5-212355 | * Correct MDT collection peroid in LTE | * Ericsson Japan K-K | * 32.422 | * 0361 | * 1 | * Rel-15 | * A | * OAM11 | * agreed |
| * S5-212148 | * Correct MDT collection peroid in LTE | * Ericsson Japan K-K | * 32.422 | * 0362 | * - | * Rel-14 | * A | * OAM11 | * revised |
| * S5-212356 | * Correct MDT collection peroid in LTE | * Ericsson Japan K-K | * 32.422 | * 0362 | * 1 | * Rel-14 | * A | * OAM11 | * agreed |
| * S5-212153 | * Correct MDT collection peroid in LTE | * Ericsson Japan K-K | * 32.422 | * 0363 | * - | * Rel-13 | * A | * OAM11 | * revised |
| * S5-212357 | * Correct MDT collection peroid in LTE | * Ericsson Japan K-K | * 32.422 | * 0363 | * 1 | * Rel-13 | * A | * OAM11 | * agreed |
| * S5-212154 | * Correct MDT collection peroid in LTE | * Ericsson Japan K-K | * 32.422 | * 0364 | * - | * Rel-12 | * A | * OAM11 | * revised |
| * S5-212358 | * Correct MDT collection peroid in LTE | * Ericsson Japan K-K | * 32.422 | * 0364 | * 1 | * Rel-12 | * A | * OAM11 | * agreed |
| * S5-212155 | * Correct MDT collection peroid in LTE | * Ericsson Japan K-K | * 32.422 | * 0365 | * - | * Rel-11 | * F | * OAM11 | * revised |
| * S5-212359 | * Correct MDT collection peroid in LTE | * Ericsson Japan K-K | * 32.422 | * 0365 | * 1 | * Rel-11 | * F | * OAM11 | * agreed |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Original | Title | From | Decision | Reply TDoc |
| * S5-212014 |  | * Resubmitted LS reply to 3GPP SA5 on the relation between EDGEAPP and ETSI MEC architectures | * ETSI ISG MEC | * noted | * (none) |
| * S5-212015 |  | * Resubmitted LS New Whitepaper: “Operator Platform Telco Edge proposal" | * GSMA | * replied to | * S5-212319 |
| * S5-212016 |  | * Resubmitted LS to SA5 on Relation between 3GPP EDGEAPP and ETSI MEC architectures | * S6-202355 | * noted | * (none) |
| * S5-212017 |  | * Resubmitted LS on O-RAN – 3GPP Cooperation on Management Services | * O-RAN | * replied to | * S5-212328 |
| * S5-212018 |  | * Resubmitted LS/r on methodology harmonization and REST-based network management framework (reply to 3GPP TSG SA5-S5-204647) | * ITU-T SG2 | * postponed | * (none) |
| * S5-212019 |  | * Resubmitted LS/r on work progress on M.resm-AI "Requirements for energy saving management of 5G RAN system with AI" (reply to 3GPP SA5-LS1225) | * ITU-T SG2 | * postponed | * ???? |
| * S5-212020 |  | * Liaison reply to 3GPP SA5/SA2 on relation between ENI and MDAF/NWDAF | * ETSI ISG ENI | * noted | * (none) |
| * S5-212021 |  | * Reply LS ccSA5 on SA WG2 assumptions from conclusion of study on architecture aspects for using satellite access in 5G | * R2-2102498 | * noted | * (none) |
| * S5-212022 |  | * LS reply to SA5 on QoE Measurement Collection | * R2-2102500 | * noted | * (none) |
| * S5-212023 |  | * Reply LS to SA5 on MDT Stage 2 and Stage 3 alignment | * R3-211140 | * noted | * (none) |
| * S5-212024 |  | * LS to SA5 on the details of logging forms reported by the gNB-CU-CP, gNB-CU-UP and gNB-DU under measurement pollution conditions | * R3-211334 | * postponed | * (none) |
| * S5-212025 |  | * Reply LS to SA5 on limitation of Propagation of immediate MDT configuration in case of Xn inter-RAT HO | * R3-211335 | * noted | * (none) |
| * S5-212026 |  | * Progressing the Multi SDO Autonomous Network coordination | * TM Forum | * replied to | * S5-212310 |
| * S5-212029 |  | * LS on NG.116 support of service categories | * GSMA 5G Joint-Activity (5GJA) | * replied to | * S5-212320 |
| * S5-212305 |  | * LS from WSOLU to 3GPP SA5 - 5G charging architecture for wholesale scenarios | * GSMA | * postponed | * (none) |
| * S5-212308 |  | * Ls to SA5 on Conclusion of NR QoE Management and Optimizations for Diverse Services SI in RAN3 | * R3-211234 | * noted | * (none) |
| * S5-212309 |  | * LS on Postponement of Multi SDO Autonomous Network strategic coordination meeting | * TMF | * replied to | * S5-212310 |
| * S5-212311 |  | * LS on migration from ETSI forge to 3GPP forge | * C4-211513 | * noted | * (none) |

### C2: Outgoing liaison statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document | Title | To | Cc | reply to i/c LS |
| * S5-212310 | * Reply to: LS on Postponement of Multi SDO Autonomous Network strategic coordination meeting | * TMF | * 3GPP SA, ETSI (AN initiative, ZSM, NFV, ENI, F5G), GSMA, NGMN, CCSA TC7,ITU-T, IETF, IEEE | * S5-212309,S5-212026 |
| * S5-212312 | * LS on OpenAPI guidelines | * SA,CT | * CT3,CT4 |  |
| * S5-212319 | * Reply to: Resubmitted LS New Whitepaper: “Operator Platform Telco Edge proposal" | * GSMA | * SA2,SA6 | * S5-212015 |
| * S5-212320 | * Reply to: LS on NG.116 support of service categories | * GSMA 5G Joint-Activity (5GJA) | * - | * S5-212029 |
| * S5-212328 | * Reply to: Resubmitted LS on O-RAN – 3GPP Cooperation on Management Services | * O-RAN | * - | * S5-212017 |
| * S5-212390 | * LS to TM Forum on introduction of 3GPP Autonomous Network Levels | * TM Forum | * 3GPP SA, ITU-T (FG-AN), ETSI (AN initiative, ZSM, NFV, ENI, F5G), IETF | * - |
| * S5-212403 | * LS from SA5 to RAN2,RAN3 on network sharing with multiple SSB | * RAN2, RAN3 | * - | * - |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Title | Source | new/revised |
| * S5-212368 | * New SID on management aspects of network slice management capability exposure | * Alibaba Group | * SID new |
| * S5-212331 | * New WID on File Management | * Nokia, Nokia Shanghai Bell | * WID new |
| * S5-212332 | * New WID on enhancement of service based management architecture | * Huawei, China Telecom, China Unicom, China Mobile, Ericsson | * WID new |
| * S5-212369 | * New WID Enhancements of Management Data Analytics Service | * Intel, NEC | * WID new |
| * S5-212373 | * Updated WID Enhancement on Management Aspects of 5G Service-Level Agreement | * Ericsson,Deutsche Telekom | * WID revised |
| * S5-212399 | * Revised WID on Discovery of management services in 5G | * Huawei | * WID revised |

## Annex E: List of draft Technical Specifications and Reports

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Spec | vers | Doc title |
| * S5-212429 | * 28.100 | * 0.4.0 | * Latest draft TS 28.100 |
| * S5-212430 | * 28.312 | * 0.4.0 | * Latest draft TS 28.312 |
| * S5-212431 | * 28.555 | * 1.2.0 | * Latest draft TS 28.555 |
| * S5-212432 | * 28.808 | * 1.2.0 | * Latest draft TR 28.808 |
| * S5-212433 | * 28.813 | * 0.5.0 | * Latest draft TR 28.813 |
| * S5-212434 | * 28.814 | * 0.4.0 | * Latest draft TR 28.814 |
| * S5-212435 | * 28.809 | * 1.3.0 | * Latest draft TR 28.809 |
| * S5-212436 | * 28.811 | * 0.4.0 | * Latest draft TR 28.811 |
| * S5-212437 | * 28.817 | * 0.2.0 | * Latest draft TR 28.817 |
| * S5-212444 | * 28.557 | * 0.4.0 | * Latest draft TS 28.557 |
| * S5-212465 | * 28.815 | * 0.5.0 | * Draft TR 28.815 |
| * S5-212468 | * 28.816 | * 0.4.0 | * Draft TR 28.816 |
| * S5-212473 | * 28.822 | * 0.2.0 | * Draft TR 28.822 |
| * S5-212474 | * 32.846 | * 0.4.0 | * Draft 32.846 |
| * S5-212479 | * 32.847 | * 0.2.0 | * Draft TR 32.847 |

## Annex F: List of participants

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TITLE | Family Name | Given Name | Employer Organization | Organization Represented |
| Dr. | Al-kanani | Hassan | NEC Europe Ltd | NEC Corporation |
| Mrs. | Allwang | Christiane | Nokia Germany | Nokia Germany |
| Mr. | Andrianov | Anatoly | Nokia Germany | Nokia Japan |
| Ms. | BALON | Marc | Orange | Orange |
| Mr. | Bizzarri | Simone | TELECOM ITALIA S.p.A. | TELECOM ITALIA S.p.A. |
| Mr. | Borragini | Antoine | Orange | Orange |
| Mr. | Braam | Sjors | TNO | KPN N.V. |
| Mr. | Cano Soveri | Mirko | ETSI | ETSI |
| Mr. | Cao | Xi | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Mr. | Champel | Mary-Luc | Beijing Xiaomi Mobile Software | Beijing Xiaomi Electronics |
| Miss | CHEN | SHAN | Huawei Tech.(UK) Co.. Ltd | HiSilicon Technologies Co. Ltd |
| Miss | Chen | Xiumin | China Telecommunications | China Telecom Corporation Ltd. |
| Mr. | Chou | Joey | Intel Corporation (UK) Ltd | Intel Corporation Italia SpA |
| Dr. | Cornily | Jean Michel | Orange | Orange Romania |
| Mrs. | Das | Shashi | Lockheed Martin | Lockheed Martin |
| Miss | Dong | Jia | China Mobile E-Commerce Co. | China Mobile Com. Corporation |
| Mr. | Drijver | Floris | TNO | TNO |
| Mr. | Elmdahl | Per | Ericsson France S.A.S | Ericsson France S.A.S |
| Dr. | Featherstone | Walter | Samsung R&D Institute UK | Samsung Electronics Co., Ltd |
| Mr. | Gao | Xiao-Ming | Ericsson LM | Ericsson LM |
| Mrs. | Gardella | Maryse | Nokia France | Nokia UK |
| Mr. | Gautam | Deepanshu | Samsung R&D Institute UK | Samsung Research America |
| Dr. | Geurtz | Alexander | SES S.A. | SES S.A. |
| Mr. | Glozman | Borislav | Amdocs Software Systems Ltd | Amdocs Software Systems Ltd |
| Mr. | Groenendijk | Jan | Ericsson LM | Ericsson LM |
| Miss | Guo | Shasha | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Mr. | Gupta | Varini | Samsung R&D Institute India | Samsung Guangzhou Mobile R&D |
| Mr. | Harper | Colby | Pivotal Commware | Pivotal Commware |
| Mr. | Hassett | Brendan | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies Sweden AB |
| Mr. | Horvat | Atila | Hewlett-Packard Enterprise | Hewlett-Packard Enterprise |
| Mr. | Jan | Onnegren | Ericsson LM | Ericsson LM |
| Mr. | Jerbi | Walid | Deutsche Telekom AG | Deutsche Telekom AG |
| Miss | JIA | Xiaoqian | HUAWEI TECHNOLOGIES Co. Ltd. | HuaWei Technologies Co., Ltd |
| Mr. | Ju | Manchang | ZTE Corporation | ZTE Corporation |
| Mr. | Klotz | Michael | Deutsche Telekom AG | Deutsche Telekom AG |
| Dr. | Kollar | Martin | Nokia Solutions & Networks (I) | Nokia Solutions & Networks (I) |
| Mr. | Lei | Yu | Beijing Xiaomi Mobile Software | Xiaomi Communications |
| Mr. | Lengyel | Balazs | Ericsson Hungary Ltd | Ericsson Hungary Ltd |
| Mr. | Li | Gang | Nanjing Ericsson Panda Com Ltd | Nanjing Ericsson Panda Com Ltd |
| Mrs. | li | jing | China Unicom | China Unicom |
| Mr. | Li | Shitao | Huawei Tech.(UK) Co.. Ltd | HUAWEI TECH. GmbH |
| Mr. | Libunao | Gerardo | Verizon UK Ltd | Verizon UK Ltd |
| Mr. | Lindblad | Jan | Cisco Systems Belgium | Cisco Systems Belgium |
| Mr. | Liu | Dapeng(Max) | Alibaba (China) Group., Ltd. | Alibaba (China) Group., Ltd. |
| Mr. | LIU | Jianning(Carry) | Beijing Xiaomi Mobile Software | Beijing Xiaomi Mobile Software |
| Ms. | Lu | Wei | Xiaomi Technology | Xiaomi Technology |
| Mr. | Malashnyak | Volodymyr | Ericsson LM | Ericsson LM |
| Mr. | McNamee | Alan | Amdocs Software Systems Ltd | Amdocs Software Systems Ltd |
| Ing. | Moggio | Fabrizio | TELECOM ITALIA S.p.A. | TELECOM ITALIA S.p.A. |
| Mr. | Morand | Lionel | Orange | Orange |
| Dr. | Mwanje | Stephen | Nokia | Nokia Germany |
| Mr. | Nakano | Yusuke | KDDI Corporation | KDDI Corporation |
| Ms. | Niu | Yuxia | China Telecom Corporation Ltd. | China Telecom Corporation Ltd. |
| Mr. | Ordonez-Lucena | Jose | TELEFONICA S.A. | TELEFONICA S.A. |
| Mr. | Petersen | Robert | Ericsson LM | Ericsson Telecomunicazioni SpA |
| Miss | Ping | Jing | Nokia Germany | Nokia Germany |
| Dr. | Pollakowski | Olaf | Nokia Germany | Nokia Germany |
| Mr. | Potter | Benjamin | AT&T GNS Belgium SPRL | AT&T GNS Belgium SPRL |
| Ms. | Rajendran | Rohini | Samsung R&D Institute India | Samsung R&D Institute India |
| Dr. | Samdanis | Konstantinos | Nokia Germany | Nokia Germany |
| Mr. | Schouler | Eric | Orange | Orange |
| Mr. | Scott | Mark | Ericsson LM | Ericsson LM |
| Ms. | Shen | Yang | Beijing Xiaomi Mobile Software | Beijing Xiaomi Mobile Software |
| Mr. | Shu | Min | CATT | CATT |
| Mr. | Smith | David K. | AT&T GNS Belgium SPRL | AT&T GNS Belgium SPRL |
| Miss | Song | Xiaojia | China Mobile Research Inst. | China Mobile Com. Corporation |
| Dr. | Su | Zijian | HUAWEI TECHNOLOGIES Co. Ltd. | HUAWEI TECHNOLOGIES Co. Ltd. |
| Mr. | Sun | Mingrui | China Unicom | China Unicom |
| Mr. | THAKOLSRI | SRISAKUL | DOCOMO Communications Lab. | DOCOMO Communications Lab. |
| Mr. | Tiomela Jou | Boris | Airbus | Airbus |
| Mr. | Törnkvist | Robert | Ericsson LM | Ericsson España S.A. |
| Mr. | Tovinger | Thomas | Ericsson LM | Ericsson LM |
| Mr. | Vaishnavi | Ishan | Lenovo (Beijing) Ltd | Lenovo Future Communications |
| Dr. | Wang | Dan | IPLOOK | IPLOOK |
| Ms. | Wang | Man | HuaWei Technologies Co., Ltd | Huawei Telecommunication India |
| Mr. | Watts | Simon | Avanti | Avanti |
| Ms. | Weaver | Farni | T-Mobile USA | T-Mobile USA |
| Ms. | WU | Jinhua | Beijing Xiaomi Mobile Software | Beijing Xiaomi Mobile Software |
| Mr. | Xiang | Li | China Mobile Research Inst. | China Mobile Com. Corporation |
| Mr. | XING | XIAOCHENG | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies France |
| Mr. | Xu | Ruiyue | Huawei Tech.(UK) Co.. Ltd | HUAWEI Technologies Japan K.K. |
| Mr. | Yao | Yizhi | Intel Corporation (UK) Ltd | Intel Sweden AB |
| Dr. | Yu | Xiaobo | Alibaba (China) Group., Ltd. | Alibaba (China) Group., Ltd. |
| Miss | Yuan | Jingjing | China Telecom Corporation Ltd. | China Telecom Corporation Ltd. |
| Mr. | Zadeh | Bagher | Ericsson LM | Ericsson LM |
| Mr. | Zhang | Jian | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies Japan K.K. |
| Mr. | Zhang | Kai | Huawei Tech.(UK) Co.. Ltd | Huawei Technologies R&D UK |
| Mr. | Zhao | Song | China Telecom Corporation Ltd. | China Telecom Corporation Ltd. |
| Mr. | Zhu | Lei | Huawei Tech.(UK) Co.. Ltd | Huawei Tech.(UK) Co.. Ltd |
| Mr. | Zhu | Weihong | ZTE Corporation | CALTTA |
| Ms. | Zou | Lan | Huawei Tech.(UK) Co.. Ltd | Huawei Device Co., Ltd |

## Annex G: List of future meetings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Title | Start date | End date (OP) | Town | Country | Reference |
| SA5#138e | 23/08/2021 | 31/08/2021 | Online | Electronic |  |
| SA5#139e | 11/10/2021 | 15/10/2021 | TBD | TBD |  |
| SA5#140e | 15/11/2021 | 19/11/2021 | TBD | TBD |  |