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

**Meeting Report  
for  
TSG SA WG5  
meeting: 132e**

**Online, Electronic meeting, 17/08/2020 to 28/08/2020**

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## 1 Opening of the meeting

**NOTE: minutes of the meeting and conference calls (OAM part) can be consulted in the tdoc S5-204007 (Chair notes and conclusions).**

*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.*

## 2 Approval of the agenda

**S5-204000 Agenda**

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

**Decision:** The document was **revised to S5-204431**.

**S5-204431 Agenda**

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

(Replaces S5-204000)

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

## 3 IPR and legal declaration

## 4 Meetings and activities reports

### 4.1 Last SA5 meeting report

**S5-204001 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

**S5-204002 SA5#132e e-meeting process**

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

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

**S5-204003 Post SA5#132e Email approval status**

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

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

**S5-204480 3GPP SA5 Forge repository structure**

*Type: other For: Endorsement  
 Source: Huawei*

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

**S5-204515 3GPP SA5 Forge repository structure**

*Type: other For: Endorsement  
 Source: Huawei*

**Decision:** The document was **withdrawn**.

### 5.2 Technical issues at SA5 level

### 5.3 Liaison statements at SA5 level

**S5-204010 LS from 5G ACIA cc SA5 on 5G capabilities exposure for factories of the future**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: 5G ACIA*

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

**S5-204011 Ls from GSMA cc SA5 on Response to SA2 on Clarification of NG.116**

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

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

**S5-204012 Ls from GSMA to SA5 on NG.116 support of different access types**

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

**Decision:** The document was **replied to in S5-204476**.

**S5-204476 Reply to: Ls from GSMA to SA5 on NG.116 support of different access types**

*Type: LS out For: approval  
 to GSMA 5GJA, cc SA2  
 Source: Huawei*

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

**S5-204013 LS ccSA5 on Clarification NG.116 GST Throughput Attributes and Non-3GPP Access Support**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-1912772*

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

**S5-204014 LS ccSA5 on Reply on support of eCall over NR**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C1-203221*

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

**S5-204016 Liaison to 3GPP SA2/SA5 on mapping between ENI architecture and NWDAF/MDAF**

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

**Decision:** The document was **replied to in S5-204440**.

**S5-204440 Reply to: Liaison to 3GPP SA2/SA5 on mapping between ENI architecture and NWDAF/MDAF**

*Type: LS out For: approval  
 to ETSI ISG ENI, cc SA2  
 Source: Ericsson*

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

**S5-204018 LS to SA5 on End-to-End Network Slicing Gap analysis**

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

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

**S5-204029 Ls to SA5 on the translation of GSMA GST/NEST**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-1912467*

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

**S5-204033 Reply LS ccSA5 on Application Architecture for enabling Edge Applications**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2004386*

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

**S5-204034 LS to SA5 on Application Registration in relation to management aspects**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-200949*

**Decision:** The document was **replied to in S5-204117**.

**S5-204117 LS reply to SA6 on application registration in relation to mgmt aspects**

*Type: LS out For: Agreement  
 to SA6, cc SA2  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

LS reply to SA6 on application registration in relation to mgmt aspects

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

**S5-204323 Discussion on 5G capabilities exposure**

*Type: discussion For: Discussion  
 Source: Orange*

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

**S5-204432 LS to SA5 on Completion of WT-456 and WT-470**

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

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

**S5-204439 Reply LS to 5G ACIA on 5G capabilities exposure for factories of the future**

*Type: LS out For: Approval  
 to -  
 Source: Orange*

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

### 5.4 SA5 meeting calendar

**S5-204433 SA5 meeting calendar**

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

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

### 5.5 Review of the Work Plan (REMOVE this item/row?)

## 6 OAM&P

### 6.1 OAM&P Plenary

**S5-204004 OAM&P SWG action list**

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

**Decision:** The document was **revised to S5-204664**.

**S5-204664 OAM&P SWG action list**

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

(Replaces S5-204004)

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

**S5-204005 SA5#132e\_agenda\_with\_Tdocs\_sequence\_proposal\_OAM**

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

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

**S5-204006 SA5#132e OAM Exec Report**

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

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

**S5-204007 SA5#132e OAM Chair notes and conclusions**

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

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

**S5-204015 LS Reply to SA5 on SNSSAI support in N4 Session Establishment**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C4-203215*

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

**S5-204019 LSreply to 3GPP SA5 on the update of touchpoints in TS28.622 (ref. S5-197650)**

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

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

**S5-204020 LS to SA5 on QoE Measurement Collection**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R2-2005778*

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

**S5-204021 LS Reply to SA5 on QoE Measurement Collection**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S4-200962*

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

**S5-204028 LS ccSA5 on propagation of user consent related information during Xn inter-PLMN handover**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-204378*

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

**S5-204537 Reply to: Resubmitted LS ccSA5 on QoS Monitoring for URLLC**

*Type: LS out For: approval  
 to RAN3.SA2, cc RAN2  
 Source: Intel*

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

**S5-204035 Ls to SA5 on methodology harmonization and REST-based network management framework (reply to 3GPP TSG SA5-S5-197541)**

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

**Decision:** The document was **replied to in S5-204647**.

**S5-204647 Reply to: Ls to SA5 on methodology harmonization and REST-based network management framework (reply to 3GPP TSG SA5-S5-197541)**

*Type: LS out For: approval  
 to ITU-T SG2  
 Source: Ericsson*

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

**S5-204036 Ls cc SA5 on LS on M.resm-AI “Requirements for energy saving management of 5G RAN system with AI”**

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

**Decision:** The document was **replied to in S5-204070**.

**S5-204037 Resubmitted Ls to SA5 on 3GPP Cooperation on Management Services**

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

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

**S5-204038 Liaison from ISG ZSM to IETF ccSA5 for TN coordination**

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

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

**S5-204039 Ls to SA5 on Publication of major ZSM specifications**

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

**Decision:** The document was **replied to in S5-204514**.

**S5-204514 Reply to: Ls to SA5 on Publication of major ZSM specifications**

*Type: LS out For: approval  
 to ETSI ISG ZSM  
 Source: current meeting*

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

**S5-204070 LS reply to LS on M.resm-AI Requirements for energy saving management of 5G RAN system with AI**

*Type: LS out For: Approval  
 to ITU-T Q5/2, cc SA, RAN3, ITU-R WP 5D  
 Source: Orange*

**Decision:** The document was **revised to S5-204516**.

**S5-204516 LS reply to LS on M.resm-AI Requirements for energy saving management of 5G RAN system with AI**

*Type: LS out For: Approval  
 to ITU-T Q5/2, cc SA, RAN3, ITU-R WP 5D  
 Source: Orange*

(Replaces S5-204070)

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

### 6.2 New OAM&P Work Item proposals

**S5-204265 Discussion on the relation between Rel-17 autonomous related work**

*Type: discussion For: Endorsement  
 Source: Huawei Technologies (Korea)*

**Decision:** The document was **revised to S5-204518**.

**S5-204518 Discussion on the relation between Rel-17 autonomous related work**

*Type: discussion For: Endorsement  
 Source: Huawei Technologies (Korea)*

(Replaces S5-204265)

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

**S5-204360 New SID on YANG PUSH notifications**

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

**Decision:** The document was **revised to S5-204519**.

**S5-204519 New SID on YANG PUSH notifications**

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

(Replaces S5-204360)

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

**S5-204405 New WID for access control of management service**

*Type: SID new For: Agreement  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-204517**.

**S5-204517 New WID for access control of management service**

*Type: SID new For: Agreement  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-204405)

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

**S5-204406 New SID for security management of network slice**

*Type: SID new For: Agreement  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-204546**.

**S5-204546 New SID on network slice management enhancement to include security aspects**

*Type: SID new For: Agreement  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-204406)

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

**S5-204407 LS to SA3 for new WID for access control of management service**

*Type: LS out For: Agreement  
 to SA3  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-204408 LS to SA3 for new SID for security management of network slice**

*Type: LS out For: Agreement  
 to SA3  
 Source: Nokia, Nokia Shanghai Bell*

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

### 6.3 OAM&P Maintenance and Rel-16 small Enhancements

**S5-204023 Ls to SA5 on Reply LS on the status update of the SON support for NR works**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R2-2006372*

**Decision:** The document was **replied to in S5-204542**.

**S5-204032 Resubmitted LS ccSA5 on QoS Monitoring for URLLC**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2003468*

**Decision:** The document was **replied to in S5-204537**.

**S5-204094 Clean-up definitions and references**

*Type: CR For: Agreement  
 28.623 v11.4.0 CR-0096 Cat: F (Rel-11)  
  
 Source: Oy LM Ericsson AB*

**Decision:** The document was **revised to S5-204520**.

**S5-204520 Clean-up definitions and references**

*Type: CR For: Agreement  
 28.623 v11.4.0 CR-0096 rev 1 Cat: F (Rel-11)  
  
 Source: Oy LM Ericsson AB*

(Replaces S5-204094)

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

**S5-204095 Clean-up definitions and references**

*Type: CR For: Agreement  
 28.623 v12.2.0 CR-0097 Cat: A (Rel-12)  
  
 Source: Oy LM Ericsson AB*

**Decision:** The document was **revised to S5-204521**.

**S5-204521 Clean-up definitions and references**

*Type: CR For: Agreement  
 28.623 v12.2.0 CR-0097 rev 1 Cat: A (Rel-12)  
  
 Source: Oy LM Ericsson AB*

(Replaces S5-204095)

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

**S5-204096 Clean-up definitions and references**

*Type: CR For: Agreement  
 28.623 v13.2.0 CR-0098 Cat: A (Rel-13)  
  
 Source: Oy LM Ericsson AB*

**Decision:** The document was **revised to S5-204522**.

**S5-204522 Clean-up definitions and references**

*Type: CR For: Agreement  
 28.623 v13.2.0 CR-0098 rev 1 Cat: A (Rel-13)  
  
 Source: Oy LM Ericsson AB*

(Replaces S5-204096)

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

**S5-204097 Clean-up definitions and references**

*Type: CR For: Agreement  
 28.623 v14.1.0 CR-0099 Cat: A (Rel-14)  
  
 Source: Oy LM Ericsson AB*

**Decision:** The document was **revised to S5-204523**.

**S5-204523 Clean-up definitions and references**

*Type: CR For: Agreement  
 28.623 v14.1.0 CR-0099 rev 1 Cat: A (Rel-14)  
  
 Source: Oy LM Ericsson AB*

(Replaces S5-204097)

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

**S5-204098 Clean-up definitions and references**

*Type: CR For: Agreement  
 28.623 v15.4.0 CR-0100 Cat: A (Rel-15)  
  
 Source: Oy LM Ericsson AB*

**Decision:** The document was **revised to S5-204524**.

**S5-204524 Clean-up definitions and references**

*Type: CR For: Agreement  
 28.623 v15.4.0 CR-0100 rev 1 Cat: A (Rel-15)  
  
 Source: Oy LM Ericsson AB*

(Replaces S5-204098)

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

**S5-204099 Clean-up definitions and references**

*Type: CR For: Agreement  
 28.623 v16.4.0 CR-0101 Cat: A (Rel-16)  
  
 Source: Oy LM Ericsson AB*

**Decision:** The document was **revised to S5-204525**.

**S5-204525 Clean-up definitions and references**

*Type: CR For: Agreement  
 28.623 v16.4.0 CR-0101 rev 1 Cat: A (Rel-16)  
  
 Source: Oy LM Ericsson AB*

(Replaces S5-204099)

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

**S5-204102 Rel-16 CR TS 28.530 Replacement of MF and managed function terms with network function**

*Type: CR For: Agreement  
 28.530 v16.2.0 CR-0028 Cat: F (Rel-16)  
  
 Source: NEC Europe Ltd*

**Decision:** The document was **revised to S5-204526**.

**S5-204526 Rel-16 CR TS 28.530 Replacement of MF and managed function terms with network function**

*Type: CR For: Agreement  
 28.530 v16.2.0 CR-0028 rev 1 Cat: F (Rel-16)  
  
 Source: NEC Europe Ltd*

(Replaces S5-204102)

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

**S5-204118 Rel-15 CR Adding AUSF and SMSF as Trace Entity**

*Type: CR For: (not specified)  
 32.422 v15.4.0 CR-0336 Cat: F (Rel-15)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

Adding AUSF and SMSF as Trace Entity

**Decision:** The document was **revised to S5-204535**.

**S5-204535 Rel-15 CR Adding AUSF and SMSF as Trace Entity**

*Type: CR For: -  
 32.422 v15.4.0 CR-0336 rev 1 Cat: F (Rel-15)  
  
 Source: Samsung Electronics Benelux BV*

(Replaces S5-204118)

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

**S5-204119 Rel-16 CR Adding AUSF and SMSF as Trace Entity**

*Type: CR For: (not specified)  
 32.422 v16.2.0 CR-0337 Cat: A (Rel-16)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

Adding AUSF and SMSF as Trace Entity

**Decision:** The document was **revised to S5-204536**.

**S5-204536 Rel-16 CR Adding AUSF and SMSF as Trace Entity**

*Type: CR For: -  
 32.422 v16.2.0 CR-0337 rev 1 Cat: A (Rel-16)  
  
 Source: Samsung Electronics Benelux BV*

(Replaces S5-204119)

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

**S5-204131 Discussion on user consent in trace and MDT report procedure**

*Type: discussion For: (not specified)  
 32.422 v..  
 Source: HuaWei Technologies Co., Ltd*

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

**S5-204133 Rel-16 CR TS 28.552 correct the descriptions of UL packet delay between PSA UPF and UE**

*Type: CR For: (not specified)  
 28.552 v16.6.0 CR-0247 Cat: F (Rel-16)  
  
 Source: HuaWei Technologies Co., Ltd*

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

**S5-204135 Rel-16 CR TS 28.550 Update description of MnS components used for configurable PM control**

*Type: CR For: Agreement  
 28.550 v16.5.0 CR-0059 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-204136 Rel-16 CR TS 28.545 Update description of MnS components used for configurable FM control**

*Type: CR For: Agreement  
 28.545 v16.0.0 CR-0007 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-204528**.

**S5-204528 Rel-16 CR TS 28.545 Update description of MnS components used for configurable FM control**

*Type: CR For: Agreement  
 28.545 v16.0.0 CR-0007 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-204136)

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

**S5-204137 Rel-16 CR TS 28.532 Change stage2 definition for performance data file report MnS to generic file data report MnS**

*Type: CR For: Agreement  
 28.532 v16.4.0 CR-0135 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-204138 Rel-16 CR TS 28.532 Change RESTFUL definition for performance data file report MnS to generic file data report MnS**

*Type: CR For: Agreement  
 28.532 v16.4.0 CR-0136 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-204139 Rel-16 CR TS 28.532 Change openAPI definition for performance data file report MnS to generic file data report MnS**

*Type: CR For: Agreement  
 28.532 v16.4.0 CR-0137 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-204140 Rel-16 CR TS 28.532 Clarification on Annex A.1, A.2 and A.5**

*Type: CR For: Agreement  
 28.532 v16.4.0 CR-0138 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-204504**.

**S5-204504 Rel-16 CR TS 28.532 Clarification on Annex A.1, A.2 and A.5**

*Type: CR For: Agreement  
 28.532 v16.4.0 CR-0138 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-204140)

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

**S5-204141 Rel-16 CR TS 28.532 Update URI for streamingDataReportingMnS to aligh with URI structure defined in 32.158**

*Type: CR For: Agreement  
 28.532 v16.4.0 CR-0139 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-204142 Rel-16 CR TS 28.533 Add missing definition**

*Type: CR For: Agreement  
 28.533 v16.4.0 CR-0072 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-204527**.

**S5-204527 Rel-16 CR TS 28.533 Add missing definition**

*Type: CR For: Agreement  
 28.533 v16.4.0 CR-0072 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei,Lenovo*

(Replaces S5-204142)

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

**S5-204143 Rel-15 CR TS 28.532 Correct the description for generic provisioning MnS**

*Type: CR For: Agreement  
 28.532 v15.6.0 CR-0140 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-204532**.

**S5-204532 Rel-15 CR TS 28.532 Correct the description for generic provisioning MnS**

*Type: CR For: Agreement  
 28.532 v15.6.0 CR-0140 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-204143)

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

**S5-204144 Rel-16 CR TS 28.532 Correct the description for generic provisioning MnS**

*Type: CR For: Agreement  
 28.532 v16.4.0 CR-0141 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-204533**.

**S5-204533 Rel-16 CR TS 28.532 Correct the description for generic provisioning MnS**

*Type: CR For: Agreement  
 28.532 v16.4.0 CR-0141 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-204144)

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

**S5-204147 Rel-15 CR TS 28.541 Correct on frequency related IOC**

*Type: CR For: Agreement  
 28.541 v15.6.0 CR-0324 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-204148 Rel-16 CR TS 28.541 Correct on frequency related IOC**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0325 Cat: A (Rel-16)  
  
 Source: Huawei*

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

**S5-204149 Rel-15 CR TS 28.658 Add missing inheritance diagram for EUtranFrequency and EUtranFreqRelation**

*Type: CR For: Agreement  
 28.541 v15.6.0 CR-0326 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-204530**.

**S5-204530 Rel-15 CR TS 28.658 Add missing inheritance diagram for EUtranFrequency and EUtranFreqRelation**

*Type: CR For: Agreement  
 28.541 v15.6.0 CR-0326 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-204149)

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

**S5-204150 Rel-16 CR TS 28.658 Add missing inheritance diagram for EUtranFrequency and EUtranFreqRelation**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0327 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-204531**.

**S5-204531 Rel-16 CR TS 28.658 Add missing inheritance diagram for EUtranFrequency and EUtranFreqRelation**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0327 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-204150)

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

**S5-204159 Rel-16 CR 28.554 Correction of RAN UE throughput KPI**

*Type: CR For: Agreement  
 28.554 v16.5.0 CR-0056 Cat: F (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-204182 Rel-15 CR 28.532 Correct and move the streaming solution from 28.550 to 28.532**

*Type: CR For: Agreement  
 28.532 v15.6.0 CR-0142 Cat: F (Rel-15)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-204183 Rel-15 CR 28.550 Remove the streaming solution from 28.550**

*Type: CR For: Agreement  
 28.550 v15.5.0 CR-0060 Cat: F (Rel-15)  
  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-204184**.

**S5-204184 Rel-16 CR 28.550 Remove the streaming solution from 28.550**

*Type: CR For: Agreement  
 28.550 v16.5.0 CR-0060 rev 1 Cat: A (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-204183)

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

**S5-204185 Rel-16 CR 28.550 Correction of performance data streaming sequence flow**

*Type: CR For: Agreement  
 28.550 v16.5.0 CR-0061 Cat: F (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-204188 Discussion on LS reply from SA2 on QoS monitoring for URLLC**

*Type: discussion For: Agreement  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-204548**.

**S5-204548 Discussion on LS reply from SA2 on QoS monitoring for URLLC**

*Type: discussion For: Agreement  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-204188)

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

**S5-204189 LS reply to SA2 and RAN3 on QoS monitoring**

*Type: LS out For: Agreement  
 to RAN3, SA2, cc RAN2  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-204537**.

**S5-204190 Rel-15 CR 28.550 Remove the streaming solution from 28.550**

*Type: CR For: Agreement  
 28.550 v15.5.0 CR-0062 Cat: F (Rel-15)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-204191 Rel-16 CR 28.550 Remove the streaming solution from 28.550**

*Type: CR For: Agreement  
 28.550 v16.5.0 CR-0063 Cat: A (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-204192 Rel-16 CR TS 28.531 Editorial corrections to remove redundant text from use cases**

*Type: CR For: Agreement  
 28.531 v16.6.0 CR-0053 Cat: F (Rel-16)  
  
 Source: NEC Europe Ltd*

**Decision:** The document was **revised to S5-204547**.

**S5-204547 Rel-16 CR TS 28.531 Editorial corrections to remove redundant text from use cases**

*Type: CR For: Agreement  
 28.531 v16.6.0 CR-0053 rev 1 Cat: F (Rel-16)  
  
 Source: NEC Europe Ltd*

(Replaces S5-204192)

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

**S5-204193 Rel-16 CR TS 28.530 corrections**

*Type: CR For: Agreement  
 28.530 v16.2.0 CR-0029 Cat: F (Rel-16)  
  
 Source: NEC Europe Ltd*

**Decision:** The document was **revised to S5-204543**.

**S5-204543 Rel-16 CR TS 28.530 corrections**

*Type: CR For: Agreement  
 28.530 v16.2.0 CR-0029 rev 1 Cat: F (Rel-16)  
  
 Source: NEC Europe Ltd*

(Replaces S5-204193)

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

**S5-204196 Rel-16 CR TS 32.422 Add the missing procedure of SCG failure reporting**

*Type: CR For: Approval  
 32.422 v16.2.0 CR-0338 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-204197 Rel-16 CR TS 32.422 Update RCEF procedures according to user consent**

*Type: CR For: Approval  
 32.422 v16.2.0 CR-0339 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-204198 Rel-16 CR TS 32.422 Update RLF procedures according to user consent**

*Type: CR For: Approval  
 32.422 v16.2.0 CR-0340 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-204200 Rel-16 CR TS 28.552 Addition of AM policy association update notify measurements for PCF**

*Type: CR For: (not specified)  
 28.552 v16.6.0 CR-0251 Cat: F (Rel-16)  
  
 Source: China Mobile Com. Corporation, ZTE*

**Decision:** The document was **revised to S5-204538**.

**S5-204538 Rel-16 CR TS 28.552 Addition of AM policy association update notify measurements for PCF**

*Type: CR For: -  
 28.552 v16.6.0 CR-0251 rev 1 Cat: F (Rel-16)  
  
 Source: China Mobile Com. Corporation, ZTE*

(Replaces S5-204200)

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

**S5-204201 Rel-16 CR TS 28.552 Addition of SM policy association update measurements for PCF**

*Type: CR For: (not specified)  
 28.552 v16.6.0 CR-0252 Cat: F (Rel-16)  
  
 Source: China Mobile Com. Corporation, ZTE*

**Decision:** The document was **revised to S5-204539**.

**S5-204539 Rel-16 CR TS 28.552 Addition of SM policy association update measurements for PCF**

*Type: CR For: -  
 28.552 v16.6.0 CR-0252 rev 1 Cat: F (Rel-16)  
  
 Source: China Mobile Com. Corporation, ZTE*

(Replaces S5-204201)

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

**S5-204202 Rel-16 CR TS 28.545 Remove discarded IOC FMContol**

*Type: CR For: Agreement  
 28.545 v16.0.0 CR-0008 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

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

**S5-204203 Rel-16 CR TS 28.628 Modify TOP as parent class**

*Type: CR For: Agreement  
 28.628 v16.0.0 CR-0018 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

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

**S5-204204 Rel-16 CR TS 28.552 Update the description of RRC connection re-establishment related measurementss**

*Type: CR For: Agreement  
 28.552 v16.6.0 CR-0253 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S5-204540**.

**S5-204540 Rel-16 CR TS 28.552 Update the description of RRC connection re-establishment related measurementss**

*Type: CR For: Agreement  
 28.552 v16.6.0 CR-0253 rev 1 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

(Replaces S5-204204)

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

**S5-204205 R16 CR TS28.552 Modify MCS related Measurements**

*Type: CR For: Agreement  
 28.552 v16.6.0 CR-0254 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S5-204541**.

**S5-204541 R16 CR TS28.552 Modify MCS related Measurements**

*Type: CR For: Agreement  
 28.552 v16.6.0 CR-0254 rev 1 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

(Replaces S5-204205)

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

**S5-204241 Rel-15 CR TS 32.422 adding AMF interface trace information**

*Type: CR For: Agreement  
 32.422 v15.4.0 CR-0341 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-204242 Rel-16 CR TS 32.422 adding AMF interface trace information**

*Type: CR For: Agreement  
 32.422 v16.2.0 CR-0342 Cat: A (Rel-16)  
  
 Source: Huawei*

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

**S5-204243 Rel-16 28.541 CR Add missing definitions for perfReq**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0336 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-204544**.

**S5-204544 Rel-16 28.541 CR Add missing definitions for perfReq**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0336 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-204243)

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

**S5-204266 Rel-16 CR 28.310 Add missing requirements traceability for energy saving use cases**

*Type: CR For: Approval  
 28.310 v16.1.0 CR-0002 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-204268 Rel-16 CR 28.541 Correction on duplicated annex numbering**

*Type: CR For: Approval  
 28.541 v16.5.0 CR-0339 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-204269 Rel-16 CR 28.531 Correction on network slice related identifiers**

*Type: CR For: Approval  
 28.531 v16.6.0 CR-0054 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-204303 LS reply to RAN2 on user consent for trace reporting**

*Type: LS out For: (not specified)  
 to RAN2, cc RAN3  
 Source: HuaWei Technologies Co., Ltd*

**Decision:** The document was **revised to S5-204542**.

**S5-204542 LS reply to RAN2 on user consent for trace reporting**

*Type: LS out For: -  
 to RAN2, RAN3, SA3  
 Source: HuaWei Technologies Co., Ltd*

(Replaces S5-204303)

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

**S5-204316 Correction of reference list and adding references throughout the document**

*Type: CR For: (not specified)  
 32.103 v10.0.0 CR-0019 Cat: F (Rel-10)  
  
 Source: Ericsson LM*

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

**S5-204318 Correction of reference list and adding references throughout the document**

*Type: CR For: (not specified)  
 32.103 v11.5.0 CR-0020 Cat: A (Rel-11)  
  
 Source: Ericsson LM*

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

**S5-204321 Correction of reference list and adding references throughout the document**

*Type: CR For: (not specified)  
 32.103 v12.1.0 CR-0021 Cat: A (Rel-12)  
  
 Source: Ericsson LM*

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

**S5-204322 Correction of reference list and adding references throughout the document**

*Type: CR For: (not specified)  
 32.103 v13.0.0 CR-0022 Cat: A (Rel-13)  
  
 Source: Ericsson LM*

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

**S5-204325 Correction of reference list and adding references throughout the document**

*Type: CR For: (not specified)  
 32.103 v14.1.0 CR-0023 Cat: A (Rel-14)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-204553**.

**S5-204553 Correction of reference list and adding references throughout the document**

*Type: CR For: -  
 32.103 v14.1.0 CR-0023 rev 1 Cat: A (Rel-14)  
  
 Source: Ericsson LM*

(Replaces S5-204325)

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

**S5-204326 Correction of reference list and adding references throughout the document**

*Type: CR For: (not specified)  
 32.103 v15.1.0 CR-0024 Cat: A (Rel-15)  
  
 Source: Ericsson LM*

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

**S5-204327 Correction of reference list and adding references throughout the document**

*Type: CR For: (not specified)  
 32.103 v16.0.0 CR-0025 Cat: A (Rel-16)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-204668**.

**S5-204668 Correction of reference list and adding references throughout the document**

*Type: CR For: -  
 32.103 v16.0.0 CR-0025 rev 1 Cat: A (Rel-16)  
  
 Source: Ericsson LM*

(Replaces S5-204327)

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

**S5-204328 CR Rel-12 Remove the reference to M-SDO tdoc**

*Type: CR For: Approval  
 32.107 v12.0.0 CR-0002 Cat: F (Rel-12)  
  
 Source: Huawei*

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

**S5-204329 CR Rel-13 Remove the reference to M-SDO tdoc**

*Type: CR For: Approval  
 32.107 v13.0.0 CR-0003 Cat: A (Rel-13)  
  
 Source: Huawei*

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

**S5-204330 CR Rel-14 Remove the reference to M-SDO tdoc**

*Type: CR For: Approval  
 32.107 v14.0.0 CR-0004 Cat: A (Rel-14)  
  
 Source: Huawei*

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

**S5-204331 CR Rel-15 Remove the reference to M-SDO tdoc**

*Type: CR For: Approval  
 32.107 v15.0.0 CR-0005 Cat: A (Rel-15)  
  
 Source: Huawei*

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

**S5-204332 CR Rel-16 Remove the reference to M-SDO tdoc**

*Type: CR For: Approval  
 32.107 v16.0.0 CR-0006 Cat: A (Rel-16)  
  
 Source: Huawei*

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

**S5-204336 Rel-16 CR 32.158 Add missing design pattern for asynchronous operations**

*Type: CR For: Approval  
 32.158 v16.0.0 CR-0014 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-204339 Rel-16 CR 28.623 Add missing definitions to comDefs.yaml (OpenAPI definitions)**

*Type: CR For: Approval  
 28.623 v16.4.0 CR-0103 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-204341 Rel-16 CR 28.623 Correct various smaller errors (e.g. validation errors) in genericNRM.yaml (OpenAPI definitions)**

*Type: CR For: Approval  
 28.623 v16.4.0 CR-0104 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-204342 Rel-16 CR 28.622 Correct ThresholdMonitor definition (stage 2)**

*Type: CR For: Approval  
 28.622 v16.4.0 CR-0087 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-204585**.

**S5-204585 Rel-16 CR 28.622 Correct ThresholdMonitor definition (stage 2)**

*Type: CR For: Approval  
 28.622 v16.4.0 CR-0087 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-204342)

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

**S5-204343 Rel-16 CR 28.623 Correct ThresholdMonitor definition (OpenAPI definitions)**

*Type: CR For: Approval  
 28.623 v16.4.0 CR-0105 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-204650**.

**S5-204650 Rel-16 CR 28.623 Correct ThresholdMonitor definition (OpenAPI definitions)**

*Type: CR For: Approval  
 28.623 v16.4.0 CR-0105 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-204343)

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

**S5-204362 Rel-16 CR 28.622 Correct HeartbeatControl definition and some other smaller issues (stage 2)**

*Type: CR For: Approval  
 28.622 v16.4.0 CR-0088 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-204549**.

**S5-204549 Rel-16 CR 28.622 Correct HeartbeatControl definition and some other smaller issues (stage 2)**

*Type: CR For: Approval  
 28.622 v16.4.0 CR-0088 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-204362)

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

**S5-204363 Rel-16 CR 28.532 Correct various smaller errors (e.g. validation errors) in faultMnS.yaml (OpenAPI definitions)**

*Type: CR For: Approval  
 28.532 v16.4.0 CR-0143 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-204365 Rel-16 CR 28.532 Correct definition of ThresholdLevelInd (REST SS)**

*Type: CR For: Approval  
 28.532 v16.4.0 CR-0144 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-204367 Rel-16 CR 28.532 Add missing object creation variant with HTTP POST (REST SS)**

*Type: CR For: Approval  
 28.532 v16.4.0 CR-0145 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-204648**.

**S5-204648 Rel-16 CR 28.532 Add missing object creation variant with HTTP POST (REST SS)**

*Type: CR For: Approval  
 28.532 v16.4.0 CR-0145 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-204367)

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

**S5-204368 Rel-16 CR 28.532 Add missing object creation variant with HTTP POST (OpenAPI definitions)**

*Type: CR For: Approval  
 28.532 v16.4.0 CR-0146 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-204649**.

**S5-204649 Rel-16 CR 28.532 Add missing object creation variant with HTTP POST (OpenAPI definitions)**

*Type: CR For: Approval  
 28.532 v16.4.0 CR-0146 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-204368)

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

**S5-204400 Rel-15 CR 28.531 Resolve inconsistency in the allocate procedures**

*Type: CR For: Approval  
 28.531 v15.6.0 CR-0055 Cat: F (Rel-15)  
  
 Source: Ericsson LM*

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

**S5-204402 Rel-16 CR 28.531 Resolve inconsistency in the allocate procedures**

*Type: CR For: Approval  
 28.531 v16.6.0 CR-0056 Cat: A (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-204404 Add support for new administration messages when streaming trace data**

*Type: CR For: Agreement  
 32.423 v16.1.0 CR-0116 Cat: F (Rel-16)  
  
 Source: Oy LM Ericsson AB*

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

**S5-204409 add relation between transport and application level endpoints stage 2**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0368 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-204534**.

**S5-204534 add relation between transport and application level endpoints stage 2**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0368 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-204409)

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

**S5-204410 Add relation between transport and application level endpoints stage 3**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0369 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-204413 Fix general information of network slice related identifiers**

*Type: CR For: Agreement  
 28.531 v16.6.0 CR-0057 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-204414 Rel-16 CR 28.535 Add abbreviations to clause 3.3**

*Type: CR For: Approval  
 28.535 v16.0.0 CR-0008 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-204415 Add support in band notification of error conditions when streaming trace data**

*Type: CR For: Agreement  
 32.422 v16.2.0 CR-0343 Cat: F (Rel-16)  
  
 Source: Oy LM Ericsson AB*

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

**S5-204416 Rel-16 CR 28.535 Correction of requirements text in clause 5.1.1**

*Type: CR For: Approval  
 28.535 v16.0.0 CR-0009 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-204417 Rel-16 CR 28.535 Remove Editors Notes from clause 5.1.2**

*Type: CR For: Approval  
 28.535 v16.0.0 CR-0010 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-204418 Rel-16 CR 28.536 Add abbreviations to clause 3.3**

*Type: CR For: Approval  
 28.536 v16.0.0 CR-0003 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Deutsche Telekom*

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

**S5-204419 Rel-16 CR 28.536 Add references to clause 4.1.2.3**

*Type: CR For: Approval  
 28.536 v16.0.0 CR-0004 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-204420 Rel-16 CR 28.536 Correct title and add references in clause 4.1.1**

*Type: CR For: Approval  
 28.536 v16.0.0 CR-0005 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Deutsche Telekom*

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

**S5-204421 Rel-16 CR 28.536 Remove Editors Note in clause 4.1.1**

*Type: CR For: Approval  
 28.536 v16.0.0 CR-0006 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-204422 Rel-16 CR 28.536 Replace Editors Note in clause Annex A.5 with a Note**

*Type: CR For: Approval  
 28.536 v16.0.0 CR-0007 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Deutsche Telekom*

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

**S5-204423 Rel-16 CR 28.541 Add clarifying note to ServiceProfile**

*Type: CR For: Approval  
 28.541 v16.5.0 CR-0371 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-204545**.

**S5-204545 Rel-16 CR 28.541 Add clarifying note to ServiceProfile**

*Type: CR For: Approval  
 28.541 v16.5.0 CR-0371 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

(Replaces S5-204423)

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

**S5-204427 Rel-16 CR 32.422 Add missing 5G RCEF report collection**

*Type: CR For: Approval  
 32.422 v16.2.0 CR-0344 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-204428 Rel-16 CR 32.422 Add missing reports of RRC resume procedure failure**

*Type: CR For: Approval  
 32.422 v16.2.0 CR-0345 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-204430 Rel-16 CR 32.422 Add missing 5G RLF report collection**

*Type: CR For: Approval  
 32.422 v16.2.0 CR-0346 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-204436 Update the URI strcuture definition**

*Type: CR For: Agreement  
 32.158 v16.0.0 CR-0015 Cat: F (Rel-16)  
  
 Source: Huawei,Nokia*

**Decision:** The document was **revised to S5-204529**.

**S5-204529 Update the URI strcuture definition**

*Type: CR For: Agreement  
 32.158 v16.0.0 CR-0015 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei,Nokia*

(Replaces S5-204436)

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

**S5-204437 Remove unintended normative statement from informative clause**

*Type: CR For: Agreement  
 28.532 v16.4.0 CR-0147 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-204552 Rel-16 CR 28.623 Correct HeartbeatControl definition and some other smaller issues (stage 3)**

*Type: CR For: Agreement  
 28.623 v16.4.0 CR-0106 Cat: F (Rel-16)  
  
 Source: Ericsson*

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

**S5-204651 Rel-16 CR 28.623 Correct ThresholdMonitor definition (YANG)**

*Type: CR For: Agreement  
 28.623 v16.4.0 CR-0107 Cat: F (Rel-16)  
  
 Source: Ericsson*

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

### 6.4 Rel-16 Operations, Administration, Maintenance and Provisioning (OAM&P)

#### 6.4.1 Management of QoE measurement collection

**S5-204317 Create solution sets for managing QoE measurement collection**

*Type: pCR For: Agreement  
 28.309 v0.0.0  
 Source: Oy LM Ericsson AB*

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

**S5-204478 Presentation sheet for approval of TS 28.309**

*Type: TS or TR cover For: Approval  
 28.309 v..  
 Source: Ericsson*

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

**S5-204670 Draft TS 28.309**

*Type: draft TS For: Approval  
 28.309 v0.1.0  
 Source: Ericsson*

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

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

**S5-204444 Revised WID on Discovery of management services in 5G**

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

**Decision:** The document was **revised to S5-204652**.

**S5-204652 Revised WID on Discovery of management services in 5G**

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

(Replaces S5-204444)

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

#### 6.4.3 NRM enhancements

**S5-204069 Correction of NRM YANG errors**

*Type: CR For: Approval  
 28.623 v16.4.0 CR-0095 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-204072 Correction of NRM YANG errors**

*Type: CR For: Approval  
 28.541 v16.5.0 CR-0321 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-204134 YANG SS for Trace Control**

*Type: CR For: Approval  
 28.623 v16.4.0 CR-0102 Cat: B (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-204145 Rel-16 CR TS 28.541 Correction on NR NRM**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0322 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-204654**.

**S5-204654 Rel-16 CR TS 28.541 Correction on NR NRM**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0322 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-204145)

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

**S5-204146 Rel-16 CR TS 28.541 Update openAPI definition for localAddress to align with stage2 definition**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0323 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-204177 Rel-16 CR 28.541 Add IOC for predefined PCC rule - stage 2**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0329 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-204447**.

**S5-204447 Rel-16 CR 28.541 Add IOC for predefined PCC rule - stage 2**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0329 rev 1 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-204177)

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

**S5-204178 Rel-16 CR 28.541 Add IOC for predefined PCC rule - stage 3**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0330 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-204448**.

**S5-204448 Rel-16 CR 28.541 Add IOC for predefined PCC rule - stage 3**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0330 rev 1 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-204178)

**Decision:** The document was **revised to S5-204663**.

**S5-204663 Rel-16 CR 28.541 Add IOC for predefined PCC rule - stage 3**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0330 rev 2 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-204448)

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

**S5-204179 Rel-16 CR 28.541 Enable PCF to support configurable 5QIs**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0331 Cat: B (Rel-16)  
  
 Source: Intel, CATT*

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

**S5-204180 Rel-16 CR 28.541 Add IOC for dynamic 5QIs - stage 2**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0332 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-204181 Rel-16 CR 28.541 Add IOC for dynamic 5QIs - stage 3**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0333 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-204194 Rel-16 CR TS 28.541 add TCE mapping info in GNBCUCPFunction**

*Type: CR For: Approval  
 28.541 v16.5.0 CR-0334 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-204665**.

**S5-204665 Rel-16 CR TS 28.541 add TCE mapping info in GNBCUCPFunction**

*Type: CR For: Approval  
 28.541 v16.5.0 CR-0334 rev 1 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces S5-204194)

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

**S5-204195 Rel-16 CR TS 28.541 add TCE mapping info in openAPI solution**

*Type: CR For: Approval  
 28.541 v16.5.0 CR-0335 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-204666**.

**S5-204666 Rel-16 CR TS 28.541 add TCE mapping info in openAPI solution**

*Type: CR For: Approval  
 28.541 v16.5.0 CR-0335 rev 1 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces S5-204195)

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

**S5-204270 Rel-16 CR 28.541 Update on ServiceProfile and SliceProfile**

*Type: CR For: Approval  
 28.541 v16.5.0 CR-0340 Cat: C (Rel-16)  
  
 Source: Huawei*

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

**S5-204304 Rel-16 CR 28.541 Update NRM attribute definitions**

*Type: CR For: Approval  
 28.541 v16.5.0 CR-0345 Cat: F (Rel-16)  
  
 Source: CATT*

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

**S5-204394 Addition of attribute for network slice supporting maximum of data volumn**

*Type: CR For: (not specified)  
 28.541 v16.5.0 CR-0366 Cat: B (Rel-16)  
  
 Source: China Mobile Com. Corporation*

**Abstract:**

In the customer oriented network slice plan, there may be a strategy of limiting the maximum of data volumn, shutting down the service after exceeding the maximum of data volumn or limiting the bandwidth. However, there is no indicator of the maximum of

**Decision:** The document was **revised to S5-204653**.

**S5-204653 Addition of attribute for network slice supporting maximum of data volumn**

*Type: CR For: -  
 28.541 v16.5.0 CR-0366 rev 1 Cat: B (Rel-16)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-204394)

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

**S5-204395 Addition of attribute for network slice supporting maximum number of PDU sessions**

*Type: CR For: (not specified)  
 28.541 v16.5.0 CR-0367 Cat: B (Rel-16)  
  
 Source: China Mobile Com. Corporation*

**Abstract:**

Currently there is only an attribute specifying requirement of maximum number of UEs in serviceProfile and sliceProfile class, no attributes to specify concurrent PDU sessions supported by the network slice instance. Actually, a single UE may have multip

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

**S5-204411 3GPP Forge process**

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

**Decision:** The document was **revised to S5-204449**.

**S5-204449 3GPP Forge process**

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

(Replaces S5-204411)

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

**S5-204412 Cleanup stage 2 editorial issue and stage 3 yaml error**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0370 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-204445**.

**S5-204445 Cleanup stage 2 editorial issue and stage 3 yaml error**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0370 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-204412)

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

**S5-204443 LS to SA2 on dynamic 5Qis**

*Type: LS out For: Approval  
 to SA2  
 Source: Intel*

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

**S5-204446 LS to SA2 on dynamic 5Qis**

*Type: LS out For: Approval  
 to SA2  
 Source: Intel*

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

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

**S5-204111 pCR 28.313 add references for MRO measurements**

*Type: pCR For: Approval  
 28.313 v0.5.0  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-204451**.

**S5-204451 pCR 28.313 add references for MRO measurements**

*Type: pCR For: Approval  
 28.313 v0.5.0  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-204111)

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

**S5-204112 pCR 28.313 add references for type 2 parameters**

*Type: pCR For: Approval  
 28.313 v0.5.0  
 Source: Intel Corporation (UK) Ltd*

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

**S5-204113 Discussion for RACH optimization**

*Type: discussion For: Endorsement  
 28.313 v..  
 Source: Intel Corporation (UK) Ltd*

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

**S5-204114 R-16 CR 28.522 Add measurements related to RACH optimization**

*Type: CR For: Approval  
 28.522 v16.0.0 CR-0004 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-204262 pCR TS 28.313 Corrections of Management service description**

*Type: pCR For: Approval  
 28.313 v0.5.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-204450**.

**S5-204450 pCR TS 28.313 Corrections of Management service description**

*Type: pCR For: Approval  
 28.313 v0.5.0  
 Source: Huawei*

(Replaces S5-204262)

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

**S5-204263 pCR TS 28.313 Corrections of D-SON procedure**

*Type: pCR For: Approval  
 28.313 v0.5.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-204452**.

**S5-204452 pCR TS 28.313 Corrections of D-SON procedure**

*Type: pCR For: Approval  
 28.313 v0.5.0  
 Source: Huawei*

(Replaces S5-204263)

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

**S5-204372 On RACH optimization granularity for NR**

*Type: discussion For: Endorsement  
 Source: Ericsson France S.A.S*

**Decision:** The document was **revised to S5-204434**.

**S5-204382 Rel-16 CR 28.552 Add measurements for RACH optimization management for NR**

*Type: CR For: Approval  
 28.552 v16.6.0 CR-0262 Cat: B (Rel-16)  
  
 Source: Ericsson France S.A.S*

**Decision:** The document was **revised to S5-204435**.

**S5-204434 On RACH optimization granularity for NR**

*Type: discussion For: Endorsement  
 Source: Ericsson France S.A.S*

(Replaces S5-204372)

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

**S5-204435 Rel-16 CR 28.552 Add measurements for RACH optimization management for NR**

*Type: CR For: Approval  
 28.552 v16.6.0 CR-0262 rev 1 Cat: B (Rel-16)  
  
 Source: Ericsson France S.A.S*

(Replaces S5-204382)

**Decision:** The document was **revised to S5-204655**.

**S5-204655 Rel-16 CR 28.552 Add measurements for RACH optimization management for NR**

*Type: CR For: Approval  
 28.552 v16.6.0 CR-0262 rev 2 Cat: B (Rel-16)  
  
 Source: Ericsson France S.A.S*

(Replaces S5-204435)

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

**S5-204477 Revised WID SON\_5G**

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

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

**S5-204479 Presentation sheet for TS 28.313 for information and approval**

*Type: TS or TR cover For: Approval  
 28.313 v..  
 Source: Intel*

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

**S5-204656 Latest draft TS 28.313**

*Type: draft TS For: Approval  
 28.313 v0.6.0  
 Source: Intel*

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

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

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

**S5-204074 Revised WID network policy management for 5G mobile networks**

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

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

**S5-204075 pCR 28.555 add skeleton**

*Type: pCR For: Approval  
 28.555 v0.1.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-204455**.

**S5-204455 pCR 28.555 add skeleton**

*Type: pCR For: Approval  
 28.555 v0.1.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-204075)

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

**S5-204076 pCR 28.555 add introduction**

*Type: pCR For: Approval  
 28.555 v0.1.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-204456**.

**S5-204456 pCR 28.555 add introduction**

*Type: pCR For: Approval  
 28.555 v0.1.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-204076)

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

**S5-204077 pCR 28.555 add scope**

*Type: pCR For: Approval  
 28.555 v0.1.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-204457**.

**S5-204457 pCR 28.555 add scope**

*Type: pCR For: Approval  
 28.555 v0.1.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-204077)

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

**S5-204078 pCR 28.555 add Concepts and background**

*Type: pCR For: (not specified)  
 28.555 v0.1.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-204458**.

**S5-204458 pCR 28.555 add Concepts and background**

*Type: pCR For: -  
 28.555 v0.1.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-204078)

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

**S5-204079 pCR 28.555 add business level requirements**

*Type: pCR For: (not specified)  
 28.555 v0.1.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-204453**.

**S5-204453 pCR 28.555 add business level requirements**

*Type: pCR For: -  
 28.555 v0.1.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-204079)

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

**S5-204080 pCR 28.555 add high level usecases**

*Type: pCR For: (not specified)  
 28.555 v0.1.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-204454**.

**S5-204454 pCR 28.555 add high level usecases**

*Type: pCR For: -  
 28.555 v0.1.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-204080)

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

**S5-204082 pCR 28.555 add specification level requirements**

*Type: pCR For: Approval  
 28.555 v0.1.0  
 Source: China Mobile Com. Corporation*

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

**S5-204083 pCR 28.555 add specification level use cases**

*Type: pCR For: Approval  
 28.555 v0.1.0  
 Source: China Mobile Com. Corporation*

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

**S5-204441 draft TS 28.555 v000**

*Type: draft TS For: Approval  
 28.555 v0.0.0  
 Source: China Mobile*

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

**S5-204442 Initial draft TS 28.556 v000**

*Type: draft TS For: Approval  
 28.556 v0.0.0  
 Source: China Mobile*

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

**S5-204658 Latest draft TS 28.555**

*Type: draft TS For: Approval  
 28.555 v0.1.0  
 Source: China Mobile*

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

**S5-204659 Presentation sheet for TS 28.555 for information and approval**

*Type: TS or TR cover For: Approval  
 28.555 v..  
 Source: China Mobile*

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

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

**S5-204264 Revised WID on Intent driven management service for mobile networks**

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

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

**S5-204296 pCR 28.312 Add scope**

*Type: pCR For: Approval  
 28.312 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-204460**.

**S5-204460 pCR 28.312 Add scope**

*Type: pCR For: Approval  
 28.312 v0.0.0  
 Source: Huawei*

(Replaces S5-204296)

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

**S5-204297 pCR 28.312 Add skeleton**

*Type: pCR For: Approval  
 28.312 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-204461**.

**S5-204461 pCR 28.312 Add skeleton**

*Type: pCR For: Approval  
 28.312 v0.0.0  
 Source: Huawei*

(Replaces S5-204297)

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

**S5-204298 pCR 28.312 Add concept and background**

*Type: pCR For: Approval  
 28.312 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-204462**.

**S5-204462 pCR 28.312 Add concept and background**

*Type: pCR For: Approval  
 28.312 v0.0.0  
 Source: Huawei*

(Replaces S5-204298)

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

**S5-204338 TR 28.812 Presentation sheet to SA for Information and Approval**

*Type: TS or TR cover For: Approval  
 28.812 v..  
 Source: Huawei*

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

**S5-204459 Revised WID on Intent driven management service for mobile networks**

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

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

**S5-204660 Draft TS 28.312**

*Type: draft TR For: Approval  
 28.312 v0.1.0  
 Source: Huawei*

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

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

#### 6.5.4 Management of non-public networks

**S5-204030 Ls to SA5 on NPN network sharing**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2001398*

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

**S5-204031 Ls to SA5 on CAG definition**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2001401*

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

**S5-204132 pCR 28.557 Roles related to NPN management**

*Type: pCR For: Approval  
 28.557 v0.0.0  
 Source: TELEFONICA S.A.*

**Decision:** The document was **revised to S5-204463**.

**S5-204463 pCR 28.557 Roles related to NPN management**

*Type: pCR For: Approval  
 28.557 v0.0.0  
 Source: TELEFONICA S.A.*

(Replaces S5-204132)

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

**S5-204156 pCR 28.557 Structuring content on concepts and overview of NPN management**

*Type: pCR For: Approval  
 28.557 v0.0.0  
 Source: TELEFONICA S.A.*

**Decision:** The document was **revised to S5-204465**.

**S5-204465 pCR 28.557 Structuring content on concepts and overview of NPN management**

*Type: pCR For: Approval  
 28.557 v0.0.0  
 Source: TELEFONICA S.A.*

(Replaces S5-204156)

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

**S5-204271 pCR 28.557 Proposed section titles from rapporteur**

*Type: pCR For: Approval  
 28.557 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-204466**.

**S5-204466 pCR 28.557 Proposed section titles from rapporteur**

*Type: pCR For: Approval  
 28.557 v0.0.0  
 Source: Huawei*

(Replaces S5-204271)

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

**S5-204272 pCR 28.557 Add NPN terminologies and abbreviations**

*Type: pCR For: Approval  
 28.557 v0.0.0  
 Source: Huawei*

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

**S5-204273 pCR 28.557 Add introduction of TS**

*Type: pCR For: Approval  
 28.557 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-204467**.

**S5-204467 pCR 28.557 Add introduction of TS**

*Type: pCR For: Approval  
 28.557 v0.0.0  
 Source: Huawei*

(Replaces S5-204273)

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

**S5-204274 pCR 28.557 Add scope of TS**

*Type: pCR For: Approval  
 28.557 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-204468**.

**S5-204468 pCR 28.557 Add scope of TS**

*Type: pCR For: Approval  
 28.557 v0.0.0  
 Source: Huawei*

(Replaces S5-204274)

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

**S5-204275 pCR 28.557 Add concept of NPN**

*Type: pCR For: Approval  
 28.557 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-204464**.

**S5-204464 pCR 28.557 Add concept of NPN**

*Type: pCR For: Approval  
 28.557 v0.0.0  
 Source: Huawei*

(Replaces S5-204275)

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

**S5-204276 pCR 28.557 Management of stand-alone non-public networks**

*Type: pCR For: Approval  
 28.557 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-204469**.

**S5-204469 pCR 28.557 Management of stand-alone non-public networks**

*Type: pCR For: Approval  
 28.557 v0.0.0  
 Source: Huawei*

(Replaces S5-204276)

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

**S5-204667 Draft TS 28.557**

*Type: draft TS For: Approval  
 28.557 v0.1.0  
 Source: Huawei*

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

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

**S5-204267 Rel-16 CR 28.541 Delete reliability and supportAccessTech to align with GST**

*Type: CR For: Approval  
 28.541 v16.5.0 CR-0338 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-204473**.

**S5-204473 Rel-16 CR 28.541 Delete reliability and supportAccessTech to align with GST**

*Type: CR For: Approval  
 28.541 v16.5.0 CR-0338 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei,Samsung*

(Replaces S5-204267)

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

**S5-204277 Rel-17 CR 28.541 Update maxNumberofConns**

*Type: CR For: Approval  
 28.541 v16.5.0 CR-0341 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-204472**.

**S5-204472 Rel-17 CR 28.541 Update maxNumberofConns**

*Type: CR For: Approval  
 28.541 v16.5.0 CR-0341 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-204277)

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

**S5-204278 Rel-17 CR 28.541 Add NB-IoT support in ServiceProfile**

*Type: CR For: Approval  
 28.541 v16.5.0 CR-0342 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-204279 NRM modelling of SliceProfile**

*Type: other For: Endorsement  
 Source: Huawei*

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

**S5-204280 Living document of review of GSMA GST SA5#132e**

*Type: other For: Approval  
 Source: Huawei, China Mobile*

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

**S5-204283 Add requirements of SLA management**

*Type: CR For: Approval  
 28.540 v16.2.0 CR-0012 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

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

**S5-204284 Discussion on updating slice profile according to different network slice subnets**

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

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

**S5-204285 Discussion on updating slice profile according to different network slice subnets**

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

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

**S5-204286 Discussion on updating slice profile according to different network slice subnets**

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

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

**S5-204287 Discussion on updating slice profile according to different network slice subnets**

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

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

**S5-204289 Discussion on updating slice profile according to different network slice subnets**

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

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

**S5-204290 Discussion on updating slice profile according to different network slice subnets**

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

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

**S5-204291 Discussion on updating slice profile according to different network slice subnets**

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

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

**S5-204292 Update control loop deployed in different layers with SLA decomposition**

*Type: CR For: Approval  
 28.536 v16.0.0 CR-0001 Cat: F (Rel-17)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-204471**.

**S5-204471 Update control loop deployed in different layers with SLA decomposition**

*Type: CR For: Approval  
 28.536 v16.0.0 CR-0001 rev 1 Cat: F (Rel-16)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-204292)

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

**S5-204293 Update sliceProfile considering different domains proposal 1**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0343 Cat: F (Rel-17)  
  
 Source: China Mobile Com. Corporation*

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

**S5-204294 Update sliceProfile considering different domains proposal 2**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0344 Cat: F (Rel-17)  
  
 Source: China Mobile Com. Corporation*

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

**S5-204347 DP on GST Translation and Configuration**

*Type: discussion For: Endorsement  
 28.541 v..  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

GST Translation and Configuration

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

**S5-204348 Rel-17 CR ServiceProfle to SliceProfile Translation - Option 1**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0346 Cat: C (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

ServiceProfle to SliceProfile Translation

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

**S5-204350 Rel-17 CR ServiceProfle to SliceProfile Translation - Option 2**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0347 Cat: C (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

ServiceProfle to SliceProfile Translation

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

**S5-204351 Rel-17 CR ServiceProfle to SliceProfile Translation - Option 1 - Stage 3 - XML**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0348 Cat: C (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

ServiceProfle to SliceProfile Translation - Option 1 - Stage 3 - XML

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

**S5-204352 Rel-17 CR ServiceProfle to SliceProfile Translation - Option 1 - Stage 3 - YAML**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0349 Cat: C (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

ServiceProfle to SliceProfile Translation - Option 1 - Stage 3 - YAML

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

**S5-204355 Rel-17 CR ServiceProfle to SliceProfile Translation - Option 2 - Stage 3 - XML**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0350 Cat: C (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

ServiceProfle to SliceProfile Translation - Option 2 - Stage 3 - XML

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

**S5-204356 Rel-17 CR ServiceProfle to SliceProfile Translation - Option 2 - Stage 3 - YAML**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0351 Cat: C (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

ServiceProfle to SliceProfile Translation - Option 2 - Stage 3 - YAML

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

**S5-204359 Rel-17 CR Configurable Parameters Configuration - Option 1**

*Type: CR For: (not specified)  
 28.541 v16.5.0 CR-0352 Cat: C (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

Configurable Parameters Configuration - Option 1

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

**S5-204364 Rel-17 CR Configurable Parameters Configuration - Option 2**

*Type: CR For: (not specified)  
 28.541 v16.5.0 CR-0353 Cat: C (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

Configurable Parameters Configuration - Option 2

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

**S5-204369 Rel-17 CR Configurable Parameters Configuration - Option 1 - Stage 3 - XML**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0354 Cat: C (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

Rel-17 CR Configurable Parameters Configuration - Option 1 - Stage 3 - XML

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

**S5-204373 Rel-17 CR Configurable Parameters Configuration - Option 1 - Stage 3 - YAML**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0355 Cat: C (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

Rel-17 CR Configurable Parameters Configuration - Option 1 - Stage 3 - YAML

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

**S5-204375 Rel-17 CR Configurable Parameters Configuration - Option 2 - Stage 3 - XML**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0356 Cat: C (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

Rel-17 CR Configurable Parameters Configuration - Option 2 - Stage 3 - XML

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

**S5-204378 Rel-17 CR Configurable Parameters Configuration - Option 2 - Stage 3 - YAML**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0357 Cat: C (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

Rel-17 CR Configurable Parameters Configuration - Option 2 - Stage 3 - YAML

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

**S5-204379 Rel-17 CR GST Translation and Configuration**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0358 Cat: C (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

GST Translation and Configuration

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

**S5-204381 Rel-17 CR Deleting SupportedAccessTech**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0359 Cat: C (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

Deleting SupportedAccessTech

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

**S5-204383 Rel-16 CR Deleting SupportedAccessTech**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0360 Cat: F (Rel-16)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

Deleting SupportedAccessTech

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

**S5-204384 Rel-17 CR Deleting SupportedAccessTech**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0361 Cat: A (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

CR Deleting SupportedAccessTech - Mirror CR

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

**S5-204386 CR Rel-16 Deleting SupportedAccessTech - Stage 3 - XML**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0362 Cat: F (Rel-16)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

Deleting SupportedAccessTech - Stage 3 - XML

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

**S5-204387 CR Rel-16 Deleting SupportedAccessTech - Stage 3 - YAML**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0363 Cat: F (Rel-16)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

Deleting SupportedAccessTech - Stage 3 - YAML

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

**S5-204388 CR Rel-17 Deleting SupportedAccessTech - Stage 3 - XML**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0364 Cat: A (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

Deleting SupportedAccessTech - Stage 3 - XML

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

**S5-204389 CR Rel-17 Deleting SupportedAccessTech - Stage 3 - YAML**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0365 Cat: A (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

Deleting SupportedAccessTech - Stage 3 - YAML

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

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

**S5-204022 LS ccSA5 on Reply LS on MDT and SON decisions related to RAN3 LSs**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R2-2005911*

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

**S5-204026 Ls to SA5 on Support for Streaming Based MDT and Trace report**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-204110*

**Decision:** The document was **replied to in S5-204669**.

**S5-204669 Reply to: Ls to SA5 on Support for Streaming Based MDT and Trace report**

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

(Replaces S5-204319)

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

**S5-204027 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: R3-204115*

**Decision:** The document was **replied to in S5-204474**.

**S5-204090 Add handling of Xn handover for inter-RAT and information for mapping between URI of TCE and TCE ID**

*Type: CR For: Agreement  
 32.422 v16.2.0 CR-0335 Cat: B (Rel-17)  
  
 Source: Oy LM Ericsson AB*

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

**S5-204092 Add new MDT requirements**

*Type: CR For: Agreement  
 32.421 v16.1.0 CR-0096 Cat: B (Rel-17)  
  
 Source: Oy LM Ericsson AB*

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

**S5-204319 Reply LS on support for stream based MDT/Trace reporting**

*Type: LS out For: Approval  
 to RAN3  
 Source: Oy LM Ericsson AB*

**Decision:** The document was **revised to S5-204669**.

**S5-204324 Reply LS on limitation of Propagation of immediate MDT configuration in case of Xn inter-RAT HO**

*Type: LS out For: Approval  
 to RAN3, CT4, cc RAN2  
 Source: Oy LM Ericsson AB*

**Decision:** The document was **revised to S5-204474**.

**S5-204474 Reply LS on limitation of Propagation of immediate MDT configuration in case of Xn inter-RAT HO**

*Type: LS out For: Approval  
 to RAN3, RAN2,CT4  
 Source: Oy LM Ericsson AB*

(Replaces S5-204324)

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

#### 6.5.7 Additional NRM features

**S5-204151 Discussn on NR NRM update to support RAN sharing scenario**

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

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

**S5-204152 Rel-17 CR TS 28.540 Add requirements for NR NRM to support RAN sharing scenario**

*Type: CR For: Agreement  
 28.540 v16.2.0 CR-0010 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-204153 Rel-17 CR TS 28.541 Update NR NRM to support RAN sharing scenario**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0328 Cat: B (Rel-17)  
  
 Source: Huawei,China Telecom*

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

**S5-204260 Rel-17 CR TS 28.540 Add requirements for NR NRM to support RAN sharing scenario**

*Type: CR For: Agreement  
 28.540 v16.2.0 CR-0011 Cat: B (Rel-17)  
  
 Source: China Telecom Corporation Ltd.,Huawei*

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

**S5-204429 Rel-17 CR TS 28.541 Add openAPI definition NR NRM support RAN sharing scenario(stage3)**

*Type: CR For: Agreement  
 28.541 v16.5.0 CR-0372 Cat: B (Rel-17)  
  
 Source: Huawei, China Telecom*

**Abstract:**

Stage3 of S5-204153

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

#### 6.5.8 Enhancement of QoE Measurement Collection

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

**S5-204154 On RACH optimization granularity for NR**

*Type: discussion For: Endorsement  
 Source: Ericsson France S.A.S*

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

**S5-204155 Add measurements for RACH optimization management for NR**

*Type: CR For: Approval  
 28.552 v16.6.0 CR-0248 Cat: B (Rel-16)  
  
 Source: Ericsson France S.A.S*

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

**S5-204261 CR TS 28.541 Add the MLB support indicator in NRcellrelation**

*Type: CR For: Approval  
 28.541 v16.5.0 CR-0337 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-204481**.

**S5-204481 CR TS 28.541 Add the MLB support indicator in NRcellrelation**

*Type: CR For: Approval  
 28.541 v16.5.0 CR-0337 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-204261)

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

#### 6.5.10 Enhanced Closed loop SLS Assurance

**S5-204288 Add use case of network resource usage and performance prediction assisted SLS communication service Assurance**

*Type: CR For: (not specified)  
 28.535 v16.0.0 CR-0001 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

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

**S5-204302 Rel-17 CR TS 28.535 Add use case and requirements for close loop execution supervision**

*Type: CR For: Agreement  
 28.535 v16.0.0 CR-0002 Cat: B (Rel-17)  
  
 Source: Huawei,China Mobile*

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

**S5-204312 Rel-17 CR TS 28.535 Update overview of management control loops**

*Type: CR For: Approval  
 28.535 v16.0.0 CR-0003 Cat: B (Rel-17)  
  
 Source: Huawei Technologies Japan K.K.*

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

**S5-204313 Rel-17 CR TS 28.535 Management different type of control loops**

*Type: CR For: Approval  
 28.535 v16.0.0 CR-0004 Cat: B (Rel-17)  
  
 Source: Huawei Technologies Japan K.K.*

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

**S5-204314 Rel-17 CR TS 28.535 Coordination between control loops**

*Type: CR For: Approval  
 28.535 v16.0.0 CR-0005 Cat: B (Rel-17)  
  
 Source: Huawei Technologies Japan K.K.*

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

**S5-204349 Discussion regarding documenting closed loop interactions**

*Type: discussion For: Discussion  
 Source: Lenovo, Motorola Mobility*

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

**S5-204354 Rel 17 CR TS28.535 Add use case and requirements for enabling pause of a control loop**

*Type: CR For: Agreement  
 28.535 v16.0.0 CR-0006 Cat: B (Rel-17)  
  
 Source: Lenovo, Motorola Mobility*

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

**S5-204357 Rel 17 CR TS28.535 Add use case for disabling actions of an assurance loop**

*Type: CR For: Agreement  
 28.535 v16.0.0 CR-0007 Cat: B (Rel-17)  
  
 Source: Lenovo, Motorola Mobility*

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

**S5-204361 Rel17 CR TS28.536 Enhance CL model to support pause points**

*Type: CR For: Agreement  
 28.536 v16.0.0 CR-0002 Cat: B (Rel-17)  
  
 Source: Lenovo, Motorola Mobility*

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

**S5-204393 Rel-17 draftCR 28.536 Update text and figure in clause 4.1.1**

*Type: draftCR For: Approval  
 28.536 v16.0.0  
 Source: Ericsson LM, Deutsche Telekom*

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

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

**S5-204093 Movement of “Distribution of Normally Released Call (5QI 1 QoS Flow) Duration” and “Distribution of Abnormally Released Call (5QI 1 QoS Flow) Duration” measurements to chapter 5.1.1.24.**

*Type: CR For: Approval  
 28.552 v16.6.0 CR-0243 Cat: B (Rel-17)  
  
 Source: Nokia Solutions & Networks (I)*

**Decision:** The document was **revised to S5-204490**.

**S5-204490 Movement of “Distribution of Normally Released Call (5QI 1 QoS Flow) Duration” and “Distribution of Abnormally Released Call (5QI 1 QoS Flow) Duration” measurements to chapter 5.1.1.24.**

*Type: CR For: Approval  
 28.552 v16.6.0 CR-0243 rev 1 Cat: B (Rel-17)  
  
 Source: Nokia Solutions & Networks (I)*

(Replaces S5-204093)

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

**S5-204115 Rel-17 CR TS 28.552 Add PLMN granularity for UE throughput measurements**

*Type: CR For: Agreement  
 28.552 v16.6.0 CR-0244 Cat: B (Rel-17)  
  
 Source: China Telecom Corporation Ltd.*

**Decision:** The document was **revised to S5-204491**.

**S5-204491 Rel-17 CR TS 28.552 Add PLMN granularity for UE throughput measurements**

*Type: CR For: Agreement  
 28.552 v16.6.0 CR-0244 rev 1 Cat: B (Rel-17)  
  
 Source: China Telecom Corporation Ltd.*

(Replaces S5-204115)

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

**S5-204116 Rel-17 CR TS 28.552 Add RRC establishment failure measurements**

*Type: CR For: Agreement  
 28.552 v16.6.0 CR-0245 Cat: B (Rel-17)  
  
 Source: China Telecom Corporation Ltd.*

**Decision:** The document was **revised to S5-204492**.

**S5-204492 Rel-17 CR TS 28.552 Add RRC establishment failure measurements**

*Type: CR For: Agreement  
 28.552 v16.6.0 CR-0245 rev 1 Cat: B (Rel-17)  
  
 Source: China Telecom Corporation Ltd.*

(Replaces S5-204116)

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

**S5-204122 Rel-17 CR Fixing KPIs**

*Type: CR For: (not specified)  
 28.554 v16.5.0 CR-0054 Cat: F (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

Fixing KPIs

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

**S5-204123 Rel-16 CR Fixing KPIs**

*Type: CR For: (not specified)  
 28.554 v16.5.0 CR-0055 Cat: F (Rel-16)  
  
 Source: Samsung Electronics Benelux BV*

**Decision:** The document was **revised to S5-204482**.

**S5-204482 Rel-16 CR Fixing KPIs**

*Type: CR For: -  
 28.554 v16.5.0 CR-0055 rev 1 Cat: F (Rel-16)  
  
 Source: Samsung Electronics Benelux BV,China Mobile Com. Corporation*

(Replaces S5-204123)

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

**S5-204124 Rel-16 CR Deleting Round-trip packet delay between PSA UPF and UE**

*Type: CR For: (not specified)  
 28.522 v16.0.0 CR-0005 Cat: F (Rel-16)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

Deleting Round-trip packet delay between PSA UPF and UE

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

**S5-204125 Rel-17 CR Deleting Round-trip packet delay between PSA UPF and UE**

*Type: CR For: (not specified)  
 28.552 v16.6.0 CR-0246 Cat: F (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

Deleting Round-trip packet delay between PSA UPF and UE

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

**S5-204160 Rel-17 CR 28.552 Add measurements on network slice selection**

*Type: CR For: Agreement  
 28.552 v16.6.0 CR-0249 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-204161 Rel-17 CR 28.552 Add measurements on NSSAI availability service**

*Type: CR For: Agreement  
 28.552 v16.6.0 CR-0250 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-204206 R17 CR TS28.552 ADD EPS fallback handover related Measurement**

*Type: CR For: Agreement  
 28.552 v16.6.0 CR-0255 Cat: B (Rel-17)  
  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S5-204483**.

**S5-204483 R17 CR TS28.552 ADD EPS fallback handover related Measurement**

*Type: CR For: Agreement  
 28.552 v16.6.0 CR-0255 rev 1 Cat: B (Rel-17)  
  
 Source: ZTE Corporation*

(Replaces S5-204206)

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

**S5-204240 Rel-17 CR 28.552 Add incoming and outgoing GTP data packet loss TEI**

*Type: CR For: Agreement  
 28.552 v16.6.0 CR-0256 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-204493**.

**S5-204493 Rel-17 CR 28.552 Add incoming and outgoing GTP data packet loss TEI**

*Type: CR For: Agreement  
 28.552 v16.6.0 CR-0256 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-204240)

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

**S5-204259 R17 CR TS28.552 ADD EPS fallback redirection related Measurement**

*Type: CR For: Agreement  
 28.552 v16.6.0 CR-0257 Cat: B (Rel-17)  
  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S5-204484**.

**S5-204484 R17 CR TS28.552 ADD EPS fallback redirection related Measurement**

*Type: CR For: Agreement  
 28.552 v16.6.0 CR-0257 rev 1 Cat: B (Rel-17)  
  
 Source: ZTE Corporation*

(Replaces S5-204259)

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

**S5-204305 R17 CR TS28.552 ADD EPS fallback handover time Measurement**

*Type: CR For: Agreement  
 28.552 v16.6.0 CR-0258 Cat: B (Rel-17)  
  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S5-204485**.

**S5-204485 R17 CR TS28.552 ADD EPS fallback handover time Measurement**

*Type: CR For: Agreement  
 28.552 v16.6.0 CR-0258 rev 1 Cat: B (Rel-17)  
  
 Source: ZTE Corporation*

(Replaces S5-204305)

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

**S5-204346 Rel-17 CR TS 28.552 Add measurements for RB distribution per layer of MU-MIMO**

*Type: CR For: Agreement  
 28.552 v16.6.0 CR-0259 Cat: B (Rel-17)  
  
 Source: China Telecom Corporation Ltd., ZTE*

**Decision:** The document was **revised to S5-204486**.

**S5-204486 Rel-17 CR TS 28.552 Add measurements for RB distribution per layer of MU-MIMO**

*Type: CR For: Agreement  
 28.552 v16.6.0 CR-0259 rev 1 Cat: B (Rel-17)  
  
 Source: China Telecom Corporation Ltd., ZTE*

(Replaces S5-204346)

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

**S5-204358 Rel-17 CR 28.552 Add UDM subscriber profile measurements**

*Type: CR For: Approval  
 28.552 v16.6.0 CR-0260 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-204376 Rel-17 CR TS 28.552 Add MCS distribution measurement of MU-MIMO**

*Type: CR For: Agreement  
 28.552 v16.6.0 CR-0261 Cat: B (Rel-17)  
  
 Source: China Telecom Corporation Ltd., ZTE*

**Decision:** The document was **revised to S5-204487**.

**S5-204487 Rel-17 CR TS 28.552 Add MCS distribution measurement of MU-MIMO**

*Type: CR For: Agreement  
 28.552 v16.6.0 CR-0261 rev 1 Cat: B (Rel-17)  
  
 Source: China Telecom Corporation Ltd., ZTE*

(Replaces S5-204376)

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

**S5-204392 Rel-17 CR Additional KPI Definition for Max Subscriber and PDU Session**

*Type: CR For: Agreement  
 28.554 v16.5.0 CR-0057 Cat: B (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

Additional KPI Definition for Max Subscriber and PDU Session

**Decision:** The document was **revised to S5-204494**.

**S5-204494 Rel-17 CR Additional KPI Definition for Max Subscriber and PDU Session**

*Type: CR For: Agreement  
 28.554 v16.5.0 CR-0057 rev 1 Cat: B (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

(Replaces S5-204392)

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

**S5-204396 Addition of RSRQ measurement**

*Type: CR For: (not specified)  
 28.552 v16.6.0 CR-0263 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

**Abstract:**

SS-RSRQ is used in 5G NR networks to determine the quality of the radio channel. RSRQ, unlike RSRP (wanted signal strength), also includes interference level due to the inclusion of RSSI in calculation. This measurement is usefule to eveluate the qulity o

**Decision:** The document was **revised to S5-204488**.

**S5-204488 Addition of RSRQ measurement**

*Type: CR For: -  
 28.552 v16.6.0 CR-0263 rev 1 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-204396)

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

**S5-204397 Addition of SINR measurement**

*Type: CR For: (not specified)  
 28.552 v16.6.0 CR-0264 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

**Abstract:**

SINR measurement is useful to troubleshoot weak coverage or low access rate for each cell.

**Decision:** The document was **revised to S5-204489**.

**S5-204489 Addition of SINR measurement**

*Type: CR For: -  
 28.552 v16.6.0 CR-0264 rev 1 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-204397)

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

**S5-204398 SINR measurement is useful to troubleshoot weak coverage or low access rate for each cell.**

*Type: CR For: (not specified)  
 28.554 v16.5.0 CR-0058 Cat: D (Rel-16)  
  
 Source: China Mobile Com. Corporation*

**Abstract:**

Correction of editorial error in UTSNSI KPI formula

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

**S5-204475 Rel-16 CR Deleting Round-trip packet delay between PSA UPF and UE**

*Type: CR For: Agreement  
 28.552 v16.6.0 CR-0265 Cat: F (Rel-16)  
  
 Source: Samsung*

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

#### 6.5.12 Management of the enhanced tenant concept

#### 6.5.13 Autonomous network levels

**S5-204084 draft TS 28100-000**

*Type: draft TS For: Approval  
 28.100 v0.0.0  
 Source: China Mobile Com. Corporation*

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

**S5-204085 pCR 28.100 Add skeleton**

*Type: pCR For: Approval  
 28.100 v0.0.0  
 Source: China Mobile, Huawei*

**Decision:** The document was **revised to S5-204555**.

**S5-204555 pCR 28.100 Add skeleton**

*Type: pCR For: Approval  
 28.100 v0.0.0  
 Source: China Mobile, Huawei*

(Replaces S5-204085)

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

**S5-204086 pCR 28.100 Add Scope**

*Type: pCR For: Approval  
 28.100 v0.0.0  
 Source: China Mobile, Huawei*

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

**S5-204087 pCR 28.100 Add definitions and abbreviations**

*Type: pCR For: Approval  
 28.100 v0.0.0  
 Source: China Mobile, Huawei*

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

**S5-204438 LS to SA5 on introduction of TM FORUM Autonomous Network Project and Coordination Proposal**

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

**Decision:** The document was **replied to in S5-204550**.

**S5-204550 Reply to: LS to SA5 on introduction of TM FORUM Autonomous Network Project and Coordination Proposal**

*Type: LS out For: approval  
 to TM Forum, cc ETSI (AN initiative, ZSM, ENI, F5G, TC INT AFI), GSMA, NGMN, CCSA TC7  
 Source: Ericsson*

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

**S5-204508 Latest draft TS 28.100**

*Type: draft TS For: Approval  
 28.100 v0.1.0  
 Source: China Mobile*

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

**S5-204551 3GPP SA5 introduction on Autonomous Network**

**- Introduction material for autonomous network joint workshop with TMF and other SDOs**

*Type: other For: Agreement  
 Source: SA5 Chair, SA5 vice-chair(Huawei)*

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

#### 6.5.14 Management data collection control and discovery

**S5-204320 TD Issues in data collection and discovery**

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

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

#### 6.5.15 Enhancement of Handover Optimization

### 6.6 OAM&P Studies

#### 6.6.1 Study on management and orchestration aspects with integrated satellite components in a 5G network

**S5-204344 pCR 28.808 Add a solution to monitor delay on the DL-Air Interface with MEO or GEO satellite components**

*Type: pCR For: Approval  
 28.808 v0.5.0  
 Source: TNO*

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

**S5-204345 pCR 28.808 Remove two unnecessary use case clause headers**

*Type: pCR For: Approval  
 28.808 v0.5.0  
 Source: TNO*

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

**S5-204661 Draft TR 28.808**

*Type: draft TR For: Approval  
 28.808 v0.6.0  
 Source: TNO*

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

#### 6.6.2 Study on autonomous network levels

**S5-204088 pCR 28.810 Update Clause 6.2.2 Potential relation with autonomous network related standardized features and interfaces**

*Type: pCR For: Approval  
 28.810 v1.0.0  
 Source: China Mobile, Huawei*

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

**S5-204089 pCR 28.810 Add Conclusion and Recommendation**

*Type: pCR For: Approval  
 28.810 v1.0.0  
 Source: China Mobile, Huawei*

**Decision:** The document was **revised to S5-204556**.

**S5-204556 pCR 28.810 Add Conclusion and Recommendation**

*Type: pCR For: Approval  
 28.810 v1.0.0  
 Source: China Mobile, Huawei*

(Replaces S5-204089)

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

**S5-204244 pCR 28.810 Editorial improvements**

*Type: pCR For: Approval  
 28.811 v1.0.0  
 Source: Huawei*

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

**S5-204299 pCR 28.810 Update workflow**

*Type: pCR For: Approval  
 28.810 v1.0.0  
 Source: Huawei,China Mobile*

**Decision:** The document was **revised to S5-204557**.

**S5-204557 pCR 28.810 Update workflow**

*Type: pCR For: Approval  
 28.810 v1.0.0  
 Source: Huawei,China Mobile*

(Replaces S5-204299)

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

**S5-204300 pCR 28.810 Remove unnecessary Editor's Note**

*Type: pCR For: Approval  
 28.810 v1.0.0  
 Source: Huawei,China Mobile*

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

**S5-204301 pCR 28.810 Add potential requirements for coverage optimization use case**

*Type: pCR For: Approval  
 28.810 v1.0.0  
 Source: Huawei,China Mobile*

**Decision:** The document was **revised to S5-204558**.

**S5-204558 pCR 28.810 Add potential requirements for coverage optimization use case**

*Type: pCR For: Approval  
 28.810 v1.0.0  
 Source: Huawei,China Mobile*

(Replaces S5-204301)

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

**S5-204315 pCR 28.810 Editorial improvements**

*Type: pCR For: Approval  
 28.810 v1.0.0  
 Source: Huawei Tech.(UK) Co., Ltd*

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

**S5-204503 Presentation sheet for TR 28.810**

*Type: TS or TR cover For: Approval  
 28.810 v-  
 Source: China Mobile*

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

**S5-204507 Latest draft TR 28.810**

*Type: draft TR For: Approval  
 28.810 v1.1.0  
 Source: China Mobile*

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

#### 6.6.3 Study on enhancement of Management Data Analytics Service

**S5-204024 Reply LS to SA5 on User Data Congestion Analytics**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-194749*

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

**S5-204025 Reply LS to SA5 on User Data Congestion Analytics**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-1910210*

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

**S5-204100 Add potential solutions for the MDA assisted energy saving analysis**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: China Telecom Corporation Ltd.*

**Abstract:**

This contribution is to add the potential solutions for the MDA assisted energy saving analysis.

This solution is proposed to address the issue MDA assisted energy saving and illustrate how base station related prediction results and service experience an

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

**S5-204101 Add potential solutions for the MDA assisted energy saving analysis**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: China Telecom Corporation Ltd.*

**Abstract:**

This contribution is to add the potential solutions for the MDA assisted energy saving analysis.

This solution is proposed to address the issue MDA assisted energy saving and illustrate how base station related prediction results and service experience an

**Decision:** The document was **revised to S5-204587**.

**S5-204587 Add potential solutions for the MDA assisted energy saving analysis**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: China Telecom Corporation Ltd.*

(Replaces S5-204101)

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

**S5-204120 pCR 28.809 Solution for Paging Optimization**

*Type: pCR For: (not specified)  
 28.809 v0.4.0  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

Solution for Paging Optimization

**Decision:** The document was **revised to S5-204575**.

**S5-204575 pCR 28.809 Solution for Paging Optimization**

*Type: pCR For: -  
 28.809 v0.4.0  
 Source: Samsung Electronics Benelux BV*

(Replaces S5-204120)

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

**S5-204121 pCR 28.809 solution for RAN Node software upgrade**

*Type: pCR For: (not specified)  
 28.809 v0.4.0  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

Solution for RAN Node software upgrade

**Decision:** The document was **revised to S5-204576**.

**S5-204576 pCR 28.809 solution for RAN Node software upgrade**

*Type: pCR For: -  
 28.809 v0.4.0  
 Source: Samsung Electronics Benelux BV*

(Replaces S5-204121)

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

**S5-204157 pCR Add solution on MDA ML model training**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Intel Corporation (UK) Ltd*

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

**S5-204158 pCR Add solution on MDA assisted SON coordination**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Intel Corporation (UK) Ltd*

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

**S5-204187 Presentation of TR 28.809 for information**

*Type: TS or TR cover For: Approval  
 28.809 v..  
 Source: Intel Corporation (UK) Ltd*

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

**S5-204199 pCR 28.809 Use case and potential solutions of fault prediction analysis**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S5-204571**.

**S5-204571 pCR 28.809 Use case and potential solutions of fault prediction analysis**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: ZTE Corporation*

(Replaces S5-204199)

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

**S5-204245 pCR 28.809 MDAS Analysis confidence levels**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-204577**.

**S5-204577 pCR 28.809 MDAS Analysis confidence levels**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

(Replaces S5-204245)

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

**S5-204246 pCR 28.809 Add overview of MDA functionality**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-204578**.

**S5-204578 pCR 28.809 Add overview of MDA functionality**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

(Replaces S5-204246)

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

**S5-204247 pCR 28.809 Editorial improvements**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

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

**S5-204248 pCR 28.809 Add Subscription to Management Data Analytics Reports**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-204569**.

**S5-204569 pCR 28.809 Add Subscription to Management Data Analytics Reports**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

(Replaces S5-204248)

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

**S5-204249 pCR 28.809 Add Request for Management Data Analytics Reports**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

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

**S5-204250 pCR 28.809 Add CN related KPI anomaly analysis**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-204505**.

**S5-204505 pCR 28.809 Add CN related KPI anomaly analysis**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

(Replaces S5-204250)

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

**S5-204251 pCR 28.809 Add possible solution for NAS congestion control**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

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

**S5-204252 pCR 28.809 updating E2E latency analysis use case**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-204572**.

**S5-204572 pCR 28.809 updating E2E latency analysis use case**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

(Replaces S5-204252)

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

**S5-204253 pCR 28.809 updating network slice throughput analysis use case**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-204573**.

**S5-204573 pCR 28.809 updating network slice throughput analysis use case**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

(Replaces S5-204253)

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

**S5-204254 pCR 28.809 updating fault analysis use case**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

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

**S5-204255 pCR 28.809 Add missing abbreviations**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-204570**.

**S5-204570 pCR 28.809 Add missing abbreviations**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

(Replaces S5-204255)

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

**S5-204307 pCR 28.809 Update use case and potential requirements of E2E latency analysis**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

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

**S5-204308 pCR 28.809 Update use case and potential requirements of network slice load analysis**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-204574**.

**S5-204574 pCR 28.809 Update use case and potential requirements of network slice load analysis**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

(Replaces S5-204308)

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

**S5-204309 pCR 28.809 Add use case and potential requirements of mobility performance analysis**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-204561**.

**S5-204561 pCR 28.809 Add use case and potential requirements of mobility performance analysis**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

(Replaces S5-204309)

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

**S5-204310 pCR 28.809 Update use case and potential solutions of resource utilization analysis**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-204565**.

**S5-204565 pCR 28.809 Update use case and potential solutions of resource utilization analysis**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

(Replaces S5-204310)

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

**S5-204311 pCR 28.809 Add the potential requirements and solutions for service experience related analysis**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-204579**.

**S5-204579 pCR 28.809 Add the potential requirements and solutions for service experience related analysis**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Huawei*

(Replaces S5-204311)

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

**S5-204340 pCR 28.809 Add load balancing optimization use case**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-204560**.

**S5-204560 pCR 28.809 Add load balancing optimization use case**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-204340)

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

**S5-204353 Security riak assessment analytics use case**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Nokia Germany*

**Decision:** The document was **revised to S5-204580**.

**S5-204580 Security riak assessment analytics use case**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Nokia Germany*

(Replaces S5-204353)

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

**S5-204377 pCR Rel 17 Add description for analytics report**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Lenovo, Motorola Mobility*

**Decision:** The document was **revised to S5-204568**.

**S5-204568 pCR Rel 17 Add description for analytics report**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Lenovo, Motorola Mobility*

(Replaces S5-204377)

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

**S5-204380 Update of inter-gNB beam handover use case solution in subclause 6.5.2**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Nokia Germany*

**Decision:** The document was **revised to S5-204562**.

**S5-204562 Update of inter-gNB beam handover use case solution in subclause 6.5.2**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Nokia Germany*

(Replaces S5-204380)

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

**S5-204385 Update of SON conflict prevention and resolution use case in subclause 6.9.1**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Nokia Germany*

**Decision:** The document was **revised to S5-204559**.

**S5-204559 Update of SON conflict prevention and resolution use case in subclause 6.9.1**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Nokia Germany,Intel*

(Replaces S5-204385)

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

**S5-204390 pCR Rel-17 UC on MDAS assisted GST configuration**

*Type: pCR For: Agreement  
 28.809 v0.4.0  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

UC on MDAS assisted GST configuration

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

**S5-204391 MDAS assisted network slice traffic projections**

*Type: pCR For: Agreement  
 28.809 v0.4.0  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

MDAS assisted GST configuration

**Decision:** The document was **revised to S5-204581**.

**S5-204581 MDAS assisted network slice traffic projections**

*Type: pCR For: Agreement  
 28.809 v0.4.0  
 Source: Samsung Electronics Benelux BV*

(Replaces S5-204391)

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

**S5-204399 Update of KPI anomaly analysis use case and solution in subclause 6.3.6**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Nokia Germany*

**Decision:** The document was **revised to S5-204567**.

**S5-204567 Update of KPI anomaly analysis use case and solution in subclause 6.3.6**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Nokia Germany*

(Replaces S5-204399)

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

**S5-204401 Update of Handover use case and solution considering user-trajectory info in subclause 6.5**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Nokia Germany*

**Decision:** The document was **revised to S5-204564**.

**S5-204564 Update of Handover use case and solution considering user-trajectory info in subclause 6.5**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Nokia Germany*

(Replaces S5-204401)

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

**S5-204403 Update of Handover use case solution in subclause 6.5.1**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Nokia Germany*

**Decision:** The document was **revised to S5-204563**.

**S5-204563 Update of Handover use case solution in subclause 6.5.1**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: Nokia Germany*

(Replaces S5-204403)

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

**S5-204426 pCR TR 28.809 Further clarifications relating to network resource allocation**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: NEC Europe Ltd*

**Decision:** The document was **revised to S5-204566**.

**S5-204566 pCR TR 28.809 Further clarifications relating to network resource allocation**

*Type: pCR For: Approval  
 28.809 v0.4.0  
 Source: NEC Europe Ltd*

(Replaces S5-204426)

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

**S5-204506 Latest draft TR 28.809**

*Type: draft TR For: Approval  
 28.809 v0.5.0  
 Source: Intel*

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

#### 6.6.4 Study on network slice management enhancements

**S5-204041 28.811 skeleton**

*Type: draft TR For: Approval  
 28.811 v0.0.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

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

**S5-204257 pCR 28.811 Add concepts**

*Type: pCR For: Approval  
 28.811 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-204582**.

**S5-204582 pCR 28.811 Add concepts**

*Type: pCR For: Approval  
 28.811 v0.0.0  
 Source: Huawei*

(Replaces S5-204257)

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

**S5-204258 pCR 28.811 Add scope**

*Type: pCR For: Approval  
 28.811 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-204583**.

**S5-204583 pCR 28.811 Add scope**

*Type: pCR For: Approval  
 28.811 v0.0.0  
 Source: Huawei*

(Replaces S5-204258)

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

**S5-204509 Latest draft TR 28.811**

*Type: draft TR For: Approval  
 28.811 v0.1.0  
 Source: Huawei*

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

#### 6.6.5 Study on new aspects of EE for 5G networks

**S5-204065 pCR TR 28.813 Key Issue: Network data analysis assisted ES - Possible OA&M centric solution**

*Type: pCR For: Agreement  
 28.813 v0.1.0  
 Source: Orange, Intel, NEC, Nokia, AT&T, Deutsche Telekom,Huawei*

**Decision:** The document was **revised to S5-204586**.

**S5-204586 pCR TR 28.813 Key Issue: Network data analysis assisted ES - Possible OA&M centric solution**

*Type: pCR For: Agreement  
 28.813 v0.1.0  
 Source: Orange, Intel, NEC, Nokia, AT&T, Deutsche Telekom,Huawei*

(Replaces S5-204065)

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

**S5-204067 pCR TR 28.813 Key Issue: 5GC EE KPI – Potential solution #1 enhancement**

*Type: pCR For: Agreement  
 28.813 v0.1.0  
 Source: Orange, AT&T, Deutsche Telekom*

**Decision:** The document was **revised to S5-204584**.

**S5-204584 pCR TR 28.813 Key Issue: 5GC EE KPI – Potential solution #1 enhancement**

*Type: pCR For: Agreement  
 28.813 v0.1.0  
 Source: Orange, AT&T, Deutsche Telekom*

(Replaces S5-204067)

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

**S5-204068 pCR TR 28.813 Key Issue: EE KPI for network slice types**

*Type: pCR For: Agreement  
 28.813 v0.1.0  
 Source: Orange, AT&T, Deutsche Telekom*

**Decision:** The document was **revised to S5-204588**.

**S5-204588 pCR TR 28.813 Key Issue: EE KPI for network slice types**

*Type: pCR For: Agreement  
 28.813 v0.1.0  
 Source: Orange, AT&T, Deutsche Telekom*

(Replaces S5-204068)

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

**S5-204073 pCR TR 28.813 Key Issue: VNF energy consumption estimation**

*Type: pCR For: Agreement  
 28.813 v0.1.0  
 Source: Orange, AT&T, Deutsche Telekom*

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

**S5-204256 pCR 28.813 Add measurement assumption for energy consumption**

*Type: pCR For: Approval  
 28.813 v0.1.0  
 Source: Huawei*

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

**S5-204281 pCR 28.813 Key Issue – Service-oriented energy saving**

*Type: pCR For: Approval  
 28.813 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-204513**.

**S5-204513 pCR 28.813 Key Issue – Service-oriented energy saving**

*Type: pCR For: Approval  
 28.813 v0.1.0  
 Source: Huawei*

(Replaces S5-204281)

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

**S5-204282 pCR 28.813 Key Issue - Area based energy saving**

*Type: pCR For: Approval  
 28.813 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-204512**.

**S5-204512 pCR 28.813 Key Issue - Area based energy saving**

*Type: pCR For: Approval  
 28.813 v0.1.0  
 Source: Huawei*

(Replaces S5-204282)

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

**S5-204295 Solutions on EE KPI for 5GC**

*Type: pCR For: Approval  
 28.813 v0.1.0  
 Source: China Telecomunication Corp.*

**Abstract:**

This proposal provide new solutions for the EE KPI for 5GC.

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

**S5-204425 discussion on EE KPI in case of NG-RAN sharing**

*Type: pCR For: Approval  
 28.813 v0.1.0  
 Source: China Telecomunication Corp.*

**Abstract:**

This contribution discussed the frequency resource sharing and updated the KI description and solution.

**Decision:** The document was **revised to S5-204511**.

**S5-204511 discussion on EE KPI in case of NG-RAN sharing**

*Type: pCR For: Approval  
 28.813 v0.1.0  
 Source: China Telecomunication Corp.*

(Replaces S5-204425)

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

**S5-204510 Latest draft TR 28.813**

*Type: draft TR For: Approval  
 28.813 v0.2.0  
 Source: Orange*

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

**S5-204554 Discussion paper on 5GC EE KPI**

*Type: discussion For: Endorsement  
 Source: China Telecom*

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

#### 6.6.6 Study on management aspects of edge computing

**S5-204103 draft TR 28.814**

*Type: draft TR For: Approval  
 28.814 v0.0.0  
 Source: Intel Corporation (UK) Ltd*

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

**S5-204104 pCR 28.814 skeleton**

*Type: draft TR For: Approval  
 28.814 v0.0.0  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-204495**.

**S5-204495 pCR 28.814 skeleton**

*Type: draft TR For: Approval  
 28.814 v0.0.0  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-204104)

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

**S5-204105 pCR 28.814 scope**

*Type: pCR For: Approval  
 28.814 v0.0.0  
 Source: Intel Corporation (UK) Ltd*

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

**S5-204106 pCR 28.814 edge computing management concept**

*Type: pCR For: Approval  
 28.814 v0.0.0  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-204497**.

**S5-204497 pCR 28.814 edge computing management concept**

*Type: pCR For: Approval  
 28.814 v0.0.0  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-204106)

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

**S5-204107 pCR 28.814 use cases and requirements for EAS deployment**

*Type: pCR For: Approval  
 28.814 v0.0.0  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-204499**.

**S5-204499 pCR 28.814 use cases and requirements for EAS deployment**

*Type: pCR For: Approval  
 28.814 v0.0.0  
 Source: Intel Corporation (UK) Ltd,Samsung*

(Replaces S5-204107)

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

**S5-204108 pCR 28.814 use cases and requirements for EES deployment**

*Type: pCR For: Approval  
 28.814 v0.0.0  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-204500**.

**S5-204500 pCR 28.814 use cases and requirements for EES deployment**

*Type: pCR For: Approval  
 28.814 v0.0.0  
 Source: Intel Corporation (UK) Ltd,Samsung*

(Replaces S5-204108)

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

**S5-204109 pCR 28.814 use cases and requirements for ECS deployment**

*Type: pCR For: Approval  
 28.814 v0.0.0  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-204501**.

**S5-204501 pCR 28.814 use cases and requirements for ECS deployment**

*Type: pCR For: Approval  
 28.814 v0.0.0  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-204109)

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

**S5-204110 pCR 28.814 add solutions for EDN deployment**

*Type: pCR For: Approval  
 28.814 v0.0.0  
 Source: Intel Corporation (UK) Ltd*

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

**S5-204126 pCR 28.814 Concept and Overview**

*Type: pCR For: Agreement  
 28.814 v0.0.0  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

Concept and Overview

**Decision:** The document was **revised to S5-204498**.

**S5-204498 pCR 28.814 Concept and Overview**

*Type: pCR For: Agreement  
 28.814 v0.0.0  
 Source: Samsung Electronics Benelux BV*

(Replaces S5-204126)

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

**S5-204127 pCR 28.814 Scope References Definitions**

*Type: pCR For: Agreement  
 28.814 v0.0.0  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

Scope, References and Definitions

**Decision:** The document was **revised to S5-204496**.

**S5-204496 pCR 28.814 Scope References Definitions**

*Type: pCR For: Agreement  
 28.814 v0.0.0  
 Source: Samsung Electronics Benelux BV,Intel*

(Replaces S5-204127)

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

**S5-204128 pCR 28.814 Skeleton**

*Type: pCR For: Agreement  
 28.814 v0.0.0  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

TR Skeleton

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

**S5-204129 pCR 28.814 EAS Lifecycle Management**

*Type: pCR For: Agreement  
 28.814 v0.0.0  
 Source: Samsung Electronics Benelux BV*

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

**S5-204130 pCR 28.814 EDN Deployment**

*Type: pCR For: Agreement  
 28.814 v0.0.0  
 Source: Samsung Electronics Benelux BV*

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

**S5-204662 Draft TR 28.814**

*Type: draft TR For: Approval  
 28.814 v0.1.0  
 Source: Intel*

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

## 7 Charging

### 7.1 Charging Plenary

**S5-204008 CH agenda and time plan**

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

**Decision:** The document was **revised to S5-204643**.

**S5-204643 CH agenda and time plan**

*Type: agenda For: -  
 Source: WG Vice Chair (Nokia)*

(Replaces S5-204008)

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

**S5-204009 Charging exec report**

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

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

**S5-204017 Resubmitted LS Out to SA2 and SA5 on making PSCELL ID available at the SGW of EPC**

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

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

### 7.2 New Charging Work Item proposals

**S5-204226 New WID on charging enhancement for URLLC**

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

**Decision:** The document was **revised to S5-204607**.

**S5-204238 Discussion paper on charging for CIoT 5GS feature**

*Type: discussion For: Agreement  
 Source: Huawei*

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

**S5-204239 New WID on 5G charging for CIOT**

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

**Decision:** The document was **revised to S5-204657**.

**S5-204657 New SID on charging aspects for 5GS CIOT**

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

(Replaces S5-204239)

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

**S5-204306 New SID Study on charging aspects of Proximity-based Services in 5GC**

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

**Decision:** The document was **revised to S5-204591**.

**S5-204333 New WID on N40 Interface Enhancements to Support GERAN and UTRAN**

*Type: WID new For: Approval  
 Source: China Mobile Com. Corporation*

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

**S5-204334 New WID on N40 Interface Enhancements to Support GERAN and UTRAN**

*Type: WID new For: Approval  
 Source: China Mobile Com. Corporation*

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

**S5-204335 New WID on N40 Interface Enhancements to Support GERAN and UTRAN**

*Type: WID new For: Approval  
 Source: China Mobile Com. Corporation*

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

**S5-204337 New WID on N40 Interface Enhancements to Support GERAN and UTRAN**

*Type: WID new For: Approval  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-204592**.

**S5-204591 New SID Study on charging aspects of Proximity-based Services in 5GC**

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

(Replaces S5-204306)

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

**S5-204592 New WID on N40 Interface Enhancements to Support GERAN and UTRAN**

*Type: WID new For: Approval  
 Source: China Mobile Com. Corporation*

(Replaces S5-204337)

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

**S5-204607 New WID on charging enhancement for URLLC**

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

(Replaces S5-204226)

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

### 7.3 Charging Maintenance and Rel-16 small Enhancements

**S5-204040 Rel-16 CR 32.274 Add Retransmission IE - non applicable**

*Type: CR For: Agreement  
 32.274 v16.0.0 CR-0076 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-204043 Correction of two SCUR Scenarios figure title and message description**

*Type: CR For: Approval  
 32.290 v15.6.0 CR-0126 Cat: F (Rel-15)  
  
 Source: China Telecomunication Corp.*

**Abstract:**

This CR is the mirror of CR 0117 in the Meeting #131e: S5-203489 Rel-16 CR 32.290 Correction of two SCUR Scenarios figure title and message description.docx

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

**S5-204044 Rel-16 CR 32.255 Charging Id Handling 5GC interworking with EPC**

*Type: CR For: Agreement  
 32.255 v16.5.0 CR-0236 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-204615**.

**S5-204045 Rel-16 CR 32.255 Clarify Charging information 5GC interworking with EPC**

*Type: CR For: Agreement  
 32.255 v16.5.0 CR-0237 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-204616**.

**S5-204046 Rel-16 CR 32.291 Clarify Charging information 5GC interworking with EPC**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0245 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-204617**.

**S5-204047 Rel-16 CR 32.291 Corrections in names and cardinality for attributes**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0246 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-204048 Rel-16 CR 32.291 Authorization of CHF services access by OAuth 2.0**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0247 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-204618**.

**S5-204066 Rel-16 CR 32.291 Correction on category for triggerCategory**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0250 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-204162 Rel-16 CR 32.291 Charging characteristics not consistently defined**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0251 Cat: F (Rel-16)  
  
 Source: Ericsson*

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

**S5-204163 Rel-16 CR 32.255 Correction of missing AF Charging Id in string format**

*Type: CR For: Agreement  
 32.255 v16.5.0 CR-0239 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-204621**.

**S5-204164 Rel-16 CR 32.291 Correction of missing AF Charging Id in string format**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0252 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-204622**.

**S5-204165 Rel-16 CR 32.298 Correction of missing AF Charging Id in string format**

*Type: CR For: Agreement  
 32.298 v16.5.0 CR-0821 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-204623**.

**S5-204166 Rel-15 CR 32.291 Correction of nfConsumerIdentification in response**

*Type: CR For: Agreement  
 32.291 v15.6.1 CR-0253 Cat: F (Rel-15)  
  
 Source: Ericsson*

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

**S5-204167 Rel-16 CR 32.255 Missing handling of implicit armed triggers**

*Type: CR For: Agreement  
 32.255 v16.5.0 CR-0240 Cat: F (Rel-16)  
  
 Source: Ericsson*

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

**S5-204168 Rel-16 CR 32.290 Missing handling of resource at failure**

*Type: CR For: Agreement  
 32.290 v16.4.0 CR-0127 Cat: F (Rel-16)  
  
 Source: Ericsson*

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

**S5-204169 Rel-16 CR 32.291 Correction to tariffTimeChange with UTC time**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0254 Cat: F (Rel-16)  
  
 Source: Ericsson*

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

**S5-204170 Rel-15 CR 32.298 Missing time in QFI container**

*Type: CR For: Agreement  
 32.298 v15.11.0 CR-0822 Cat: F (Rel-15)  
  
 Source: Ericsson*

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

**S5-204171 Rel-16 CR 32.291 Missing handling of location triggers**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0255 Cat: F (Rel-16)  
  
 Source: Ericsson*

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

**S5-204172 Rel-16 CR 32.291 Missing suspend of quota management**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0256 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-204624**.

**S5-204173 Rel-16 CR 32.298 Missing suspend of quota management**

*Type: CR For: Agreement  
 32.298 v16.5.0 CR-0823 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-204625**.

**S5-204207 Rel-15 CR 32.291 Correct the InvocationSequenceNumber**

*Type: CR For: Agreement  
 32.291 v15.6.1 CR-0257 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-204208 Rel-16 CR 32.291 Correct the InvocationSequenceNumber**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0258 Cat: A (Rel-16)  
  
 Source: Huawei*

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

**S5-204209 Rel-16 CR 32.255 Add the enhanced Diagnostics for 5G Charging**

*Type: CR For: Agreement  
 32.255 v16.5.0 CR-0241 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-204210 Rel-16 CR 32.291 Add the enhanced Diagnostics for 5G Charging**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0259 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-204211 Rel-16 CR 32.298 Add the enhanced Diagnostics for 5G Charging**

*Type: CR For: Agreement  
 32.298 v16.5.0 CR-0824 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-204212 Rel-16 CR 32.290 Add the attributes for CHFQM**

*Type: CR For: Agreement  
 32.290 v16.4.0 CR-0128 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-204606**.

**S5-204213 Rel-16 CR 32.291 Add the attributes for CHFQM**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0260 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-204227 Rel-16 CR TS 32.255 Add EPC&ePDG interworking procedures**

*Type: CR For: Agreement  
 32.255 v16.5.0 CR-0242 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-204630**.

**S5-204228 Rel-16 CR TS 32.255 Add ePDG as serving node**

*Type: CR For: Agreement  
 32.255 v16.5.0 CR-0243 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-204629**.

**S5-204229 Rel-16 CR TS 32.255 Add support of stateless SMF**

*Type: CR For: Agreement  
 32.255 v16.5.0 CR-0244 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-204230 Rel-16 CR TS 32.255 Align 5WWC RAT types**

*Type: CR For: Agreement  
 32.255 v16.5.0 CR-0245 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-204638**.

**S5-204231 Rel-16 CR TS 32.298 Add 5WWC RAT types**

*Type: CR For: Agreement  
 32.298 v16.5.0 CR-0826 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-204633**.

**S5-204232 Rel-16 CR TS 32.291 Add timeLimit and eventLimit**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0262 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-204634**.

**S5-204233 Rel-16 CR TS 32.291 Update cardinality for event time stamps**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0263 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-204635**.

**S5-204234 Rel-16 CR TS 32.298 Add QHT in CHF CDR**

*Type: CR For: Agreement  
 32.298 v16.5.0 CR-0827 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-204235 Rel-16 CR 32.255 Correct architecture figures and description**

*Type: CR For: Agreement  
 32.255 v16.5.0 CR-0246 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-204636**.

**S5-204236 Discussion on the information element for multi-homed PDU Session**

*Type: discussion For: Agreement  
 Source: Huawei*

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

**S5-204237 Rel-16 CR 32.255 Add PDU address for IPv6 multi-homing**

*Type: CR For: Agreement  
 32.255 v16.5.0 CR-0247 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-204637**.

**S5-204366 Rel-15 CR 32.290 Correction on Converged Charging and Requested Unit handling**

*Type: CR For: Approval  
 32.290 v15.6.0 CR-0129 Cat: F (Rel-15)  
  
 Source: Matrixx*

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

**S5-204370 Rel-16 CR 32.290 Correction on Converged Charging and Requested Unit handling**

*Type: CR For: Approval  
 32.290 v16.4.0 CR-0130 Cat: A (Rel-16)  
  
 Source: Matrixx*

**Decision:** The document was **revised to S5-204639**.

**S5-204371 Rel-15 CR 32.291 Correction on Converged Charging and Requested Unit handling**

*Type: CR For: Approval  
 32.291 v15.6.1 CR-0264 Cat: F (Rel-15)  
  
 Source: Matrixx*

**Decision:** The document was **revised to S5-204631**.

**S5-204374 Rel-16 CR 32.291 Correction on Converged Charging and Requested Unit handling**

*Type: CR For: Approval  
 32.291 v16.4.2 CR-0265 Cat: A (Rel-16)  
  
 Source: Matrixx*

**Decision:** The document was **revised to S5-204632**.

**S5-204424 Rel-16 Missing Quota Management Indicator data type**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0266 Cat: F (Rel-16)  
  
 Source: Amdocs Software Systems Ltd*

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

**S5-204606 Rel-16 CR 32.290 Add the attributes for CHFQM**

*Type: CR For: Agreement  
 32.290 v16.4.0 CR-0128 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-204212)

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

**S5-204608 Rel-16 CR 32.291 Update OpenAPI version**

*Type: CR For: (not specified)  
 32.291 v16.4.2 CR-0268 Cat: A (Rel-16)  
  
 Source: Huawei*

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

**S5-204615 Rel-16 CR 32.255 Charging Id Handling 5GC interworking with EPC**

*Type: CR For: Agreement  
 32.255 v16.5.0 CR-0236 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-204044)

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

**S5-204616 Rel-16 CR 32.255 Clarify Charging information 5GC interworking with EPC**

*Type: CR For: Agreement  
 32.255 v16.5.0 CR-0237 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-204045)

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

**S5-204617 Rel-16 CR 32.291 Clarify Charging information 5GC interworking with EPC**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0245 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-204046)

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

**S5-204618 Rel-16 CR 32.291 Authorization of CHF services access by OAuth 2.0**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0247 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-204048)

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

**S5-204621 Rel-16 CR 32.255 Correction of missing AF Charging Id in string format**

*Type: CR For: Agreement  
 32.255 v16.5.0 CR-0239 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-204163)

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

**S5-204622 Rel-16 CR 32.291 Correction of missing AF Charging Id in string format**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0252 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-204164)

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

**S5-204623 Rel-16 CR 32.298 Correction of missing AF Charging Id in string format**

*Type: CR For: Agreement  
 32.298 v16.5.0 CR-0821 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-204165)

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

**S5-204624 Rel-16 CR 32.291 Missing suspend of quota management**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0256 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-204172)

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

**S5-204625 Rel-16 CR 32.298 Missing suspend of quota management**

*Type: CR For: Agreement  
 32.298 v16.5.0 CR-0823 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-204173)

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

**S5-204629 Rel-16 CR TS 32.255 Add ePDG as serving node**

*Type: CR For: Agreement  
 32.255 v16.5.0 CR-0243 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-204228)

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

**S5-204630 Rel-16 CR TS 32.255 Add EPC&ePDG interworking procedures**

*Type: CR For: Agreement  
 32.255 v16.5.0 CR-0242 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-204227)

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

**S5-204631 Rel-15 CR 32.291 Correction on Converged Charging and Requested Unit handling**

*Type: CR For: Approval  
 32.291 v15.6.1 CR-0264 rev 1 Cat: F (Rel-15)  
  
 Source: Matrixx*

(Replaces S5-204371)

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

**S5-204632 Rel-16 CR 32.291 Correction on Converged Charging and Requested Unit handling**

*Type: CR For: Approval  
 32.291 v16.4.2 CR-0265 rev 1 Cat: A (Rel-16)  
  
 Source: Matrixx*

(Replaces S5-204374)

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

**S5-204633 Rel-16 CR TS 32.298 Add 5WWC RAT types**

*Type: CR For: Agreement  
 32.298 v16.5.0 CR-0826 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-204231)

**Decision:** The document was **revised to S5-204646**.

**S5-204646 Rel-16 CR TS 32.298 Add 5WWC RAT types**

*Type: CR For: Agreement  
 32.298 v16.5.0 CR-0826 rev 2 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-204633)

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

**S5-204634 Rel-16 CR TS 32.291 Add timeLimit and eventLimit**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0262 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-204232)

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

**S5-204635 Rel-16 CR TS 32.291 Update cardinality for event time stamps**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0263 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-204233)

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

**S5-204636 Rel-16 CR 32.255 Correct architecture figures and description**

*Type: CR For: Agreement  
 32.255 v16.5.0 CR-0246 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-204235)

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

**S5-204637 Rel-16 CR 32.255 Add PDU address for IPv6 multi-homing**

*Type: CR For: Agreement  
 32.255 v16.5.0 CR-0247 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-204237)

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

**S5-204638 Rel-16 CR TS 32.255 Align 5WWC RAT types**

*Type: CR For: Agreement  
 32.255 v16.5.0 CR-0245 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-204230)

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

**S5-204639 Rel-16 CR 32.290 Correction on Converged Charging and Requested Unit handling**

*Type: CR For: Approval  
 32.290 v16.4.0 CR-0130 rev 1 Cat: F (Rel-16)  
  
 Source: Matrixx*

(Replaces S5-204370)

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

**S5-204642 Rel-15 CR 32.291 Update OpenAPI version**

*Type: CR For: Agreement  
 32.291 v15.6.1 CR-0269 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-204589 Rel-16 CR TS 32.291 Add ePDG as serving node**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0267 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-204590 Rel-16 CR TS 32.298 Add ePDG as serving node**

*Type: CR For: Agreement  
 32.298 v16.5.0 CR-0828 Cat: F (Rel-16)  
  
 Source: Huawei*

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

### 7.4 Rel-16 Charging

#### 7.4.1 Network Slice Performance and Analytics Charging in 5G System

**S5-204042 Add Isolation level and Area of service as the NS Performance and Analytics charging attribute**

*Type: pCR For: Approval  
 28.201 v1.0.1  
 Source: China Telecomunication Corp.*

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

**S5-204058 Rel-16 pCR 28.201 Update Charging Architecture**

*Type: pCR For: Approval  
 28.201 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-204609**.

**S5-204174 Rel-16 pCR 28.201 Adding use of multiple unit usage**

*Type: pCR For: Approval  
 28.201 v1.0.1  
 Source: Ericsson*

**Decision:** The document was **revised to S5-204626**.

**S5-204214 LSout on NWDAF for Network Slice Performance and Analytics Charging**

*Type: LS out For: Agreement  
 to SA2  
 Source: Huawei*

**Decision:** The document was **revised to S5-204593**.

**S5-204215 Rel16 pCR 28.201 Update the Bns**

*Type: pCR For: Agreement  
 28.201 v1.0.1  
 Source: Huawei*

**Decision:** The document was **revised to S5-204594**.

**S5-204216 Rel16 pCR 28.201 Update the CHF selection based on NRF**

*Type: pCR For: Agreement  
 28.201 v1.0.1  
 Source: Huawei*

**Decision:** The document was **revised to S5-204595**.

**S5-204217 Rel16 pCR 28.201 Update the clause 3 for new charging function**

*Type: pCR For: Agreement  
 28.201 v1.0.1  
 Source: Huawei*

**Decision:** The document was **revised to S5-204596**.

**S5-204218 Rel16 pCR 28.201 Update the new charging function name**

*Type: pCR For: Agreement  
 28.201 v1.0.1  
 Source: Huawei*

**Decision:** The document was **revised to S5-204597**.

**S5-204219 Rel16 pCR 28.201 Update the NS performance and analytics charging information**

*Type: pCR For: Agreement  
 28.201 v1.0.1  
 Source: Huawei*

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

**S5-204220 Rel16 pCR 28.201 Update the referenced figure and remove the editor's notes in clause 4**

*Type: pCR For: Agreement  
 28.201 v1.0.1  
 Source: Huawei*

**Decision:** The document was **revised to S5-204598**.

**S5-204221 Rel16 pCR 28.201 Update the the PA charging information in clause 5.1.3**

*Type: pCR For: Agreement  
 28.201 v1.0.1  
 Source: Huawei*

**Decision:** The document was **revised to S5-204599**.

**S5-204222 Rel-16 CR 32.298 Add the NS performance and analytics charging parameter**

*Type: CR For: Agreement  
 32.298 v16.5.0 CR-0825 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-204600**.

**S5-204223 Rel-16 CR 32.291 Add the NSPA charging attribute for convergedchargingservice**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0261 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-204602**.

**S5-204593 LSout on New function for Network Slice PA and Management Charging**

*Type: LS out For: Agreement  
 to SA2, cc CT3  
 Source: Huawei*

(Replaces S5-204214)

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

**S5-204594 Rel16 pCR 28.201 Update the Bns**

*Type: pCR For: Agreement  
 28.201 v1.0.1  
 Source: Huawei*

(Replaces S5-204215)

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

**S5-204595 Rel16 pCR 28.201 Update the CHF selection based on NRF**

*Type: pCR For: Agreement  
 28.201 v1.0.1  
 Source: Huawei*

(Replaces S5-204216)

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

**S5-204596 Rel16 pCR 28.201 Update the clause 3 for new charging function**

*Type: pCR For: Agreement  
 28.201 v1.0.1  
 Source: Huawei*

(Replaces S5-204217)

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

**S5-204597 Rel16 pCR 28.201 Update the new charging function name**

*Type: pCR For: Agreement  
 28.201 v1.0.1  
 Source: Huawei*

(Replaces S5-204218)

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

**S5-204598 Rel16 pCR 28.201 Update the referenced figure and remove the editor's notes in clause 4**

*Type: pCR For: Agreement  
 28.201 v1.0.1  
 Source: Huawei*

(Replaces S5-204220)

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

**S5-204599 Rel16 pCR 28.201 Update the the PA charging information in clause 5.1.3**

*Type: pCR For: Agreement  
 28.201 v1.0.1  
 Source: Huawei*

(Replaces S5-204221)

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

**S5-204600 Rel-16 CR 32.298 Add the NS performance and analytics charging parameter**

*Type: CR For: Agreement  
 32.298 v16.5.0 CR-0825 rev 1 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces S5-204222)

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

**S5-204602 Rel-16 CR 32.291 Add the NSPA charging attribute for convergedchargingservice**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0261 rev 1 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces S5-204223)

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

**S5-204603 Draft TS 28.201**

*Type: draft TS For: Agreement  
 28.201 v1.1.0  
 Source: Huawei*

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

**S5-204604 Presentation to TSG of TS 28.201 for Approval**

*Type: TS or TR cover For: Agreement  
 28.201 v..  
 Source: Huawei*

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

**S5-204609 Rel-16 pCR 28.201 Update Charging Architecture**

*Type: pCR For: Approval  
 28.201 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-204058)

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

**S5-204626 Rel-16 pCR 28.201 Adding use of multiple unit usage**

*Type: pCR For: Approval  
 28.201 v1.0.1  
 Source: Ericsson*

(Replaces S5-204174)

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

#### 7.4.2 Network Slice Management Charging in 5G System

**S5-204049 Rel-16 CR 32.297 Introduction of TS 28.202**

*Type: CR For: Agreement  
 32.297 v16.1.0 CR-0038 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-204053 DP Subscriber Identifier in Network Slice Management Charging**

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

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

**S5-204054 Rel-16 pCR 28.202 Solve Editor's note on Subscriber identifier**

*Type: pCR For: Approval  
 28.202 v1.0.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-204611**.

**S5-204055 DP NSI and multiple Service Profiles**

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

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

**S5-204056 Rel-16 pCR 28.202 Solve Editor's note on multiple service profiles**

*Type: pCR For: Approval  
 28.202 v1.0.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-204057 Rel-16 pCR 28.202 Update Charging Architecture**

*Type: pCR For: Approval  
 28.202 v1.0.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-204610**.

**S5-204059 Rel-16 pCR 28.202 Complete charging information**

*Type: pCR For: Approval  
 28.202 v1.0.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-204612**.

**S5-204060 Rel-16 pCR 28.202 Solve Editor's note on Configuration update by CHF**

*Type: pCR For: Approval  
 28.202 v1.0.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-204061 Rel-16 pCR 28.202 Solve Editor's note on Triggers description when CPF**

*Type: pCR For: Approval  
 28.202 v1.0.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-204062 Rel-16 pCR 28.202 Solve Editor's note on use of MUU**

*Type: pCR For: Approval  
 28.202 v1.0.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-204063 Rel-16 CR 32.291 Introduction of NSM charging information**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0249 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-204640**.

**S5-204064 Rel-16 CR 32.298 Introduction of NSM charging information**

*Type: CR For: Agreement  
 32.298 v16.5.0 CR-0820 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-204641**.

**S5-204071 Rel-16 pCR 28.202 Change name of CSIF to CPF**

*Type: pCR For: Approval  
 28.202 v1.0.0  
 Source: Matrixx*

**Decision:** The document was **revised to S5-204601**.

**S5-204081 DP on Common Charging architecture**

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

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

**S5-204175 Rel-16 pCR 28.202 Adding trigger for CPF**

*Type: pCR For: Approval  
 28.202 v1.0.0  
 Source: Ericsson*

**Decision:** The document was **revised to S5-204627**.

**S5-204176 Rel-16 pCR 28.202 Adding charging information**

*Type: pCR For: Approval  
 28.202 v1.0.0  
 Source: Ericsson*

**Decision:** The document was **revised to S5-204628**.

**S5-204224 Rel16 pCR 28.202 Clarification of subscriber identifier**

*Type: pCR For: Agreement  
 28.202 v1.0.0  
 Source: Huawei*

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

**S5-204225 Rel16 pCR 28.202 Update the CHF selection based on NRF**

*Type: pCR For: Agreement  
 28.202 v1.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-204605**.

**S5-204601 Rel-16 pCR 28.202 Change name of CSIF to CEF**

*Type: pCR For: Approval  
 28.202 v1.0.0  
 Source: Matrixx*

(Replaces S5-204071)

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

**S5-204605 Rel16 pCR 28.202 Update the CHF selection based on NRF**

*Type: pCR For: Agreement  
 28.202 v1.0.0  
 Source: Huawei*

(Replaces S5-204225)

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

**S5-204610 Rel-16 pCR 28.202 Update Charging Architecture**

*Type: pCR For: Approval  
 28.202 v1.0.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-204057)

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

**S5-204611 Rel-16 pCR 28.202 Solve Editor's note on Subscriber identifier**

*Type: pCR For: Approval  
 28.202 v1.0.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-204054)

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

**S5-204612 Rel-16 pCR 28.202 Complete charging information**

*Type: pCR For: Approval  
 28.202 v1.0.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-204059)

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

**S5-204613 draft TS 28.202**

*Type: draft TS For: (not specified)  
 28.202 v1.1.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-204614 Presentation to TSG of TS 28.202 for Approval**

*Type: TS or TR cover For: (not specified)  
 28.202 v1.1.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-204627 Rel-16 pCR 28.202 Adding trigger for CPF**

*Type: pCR For: Approval  
 28.202 v1.0.0  
 Source: Ericsson*

(Replaces S5-204175)

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

**S5-204628 Rel-16 pCR 28.202 Adding charging information**

*Type: pCR For: Approval  
 28.202 v1.0.0  
 Source: Ericsson*

(Replaces S5-204176)

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

**S5-204640 Rel-16 CR 32.291 Introduction of NSM charging information**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0249 rev 1 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-204063)

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

**S5-204641 Rel-16 CR 32.298 Introduction of NSM charging information**

*Type: CR For: Agreement  
 32.298 v16.5.0 CR-0820 rev 1 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-204064)

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

#### 7.4.3 Charging Access Traffic Steering, Switching and Splitting in 5G system architecture

**S5-204050 Rel-16 CR 32.255 Completion of ATSSS triggers**

*Type: CR For: Agreement  
 32.255 v16.5.0 CR-0238 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-204051 Rel-16 CR 32.291 Introduction of ATSSS**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0248 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-204619**.

**S5-204052 Rel-16 CR 32.298 Introduction of ATSSS**

*Type: CR For: Agreement  
 32.298 v16.5.0 CR-0819 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-204620**.

**S5-204619 Rel-16 CR 32.291 Introduction of ATSSS**

*Type: CR For: Agreement  
 32.291 v16.4.2 CR-0248 rev 1 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-204051)

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

**S5-204620 Rel-16 CR 32.298 Introduction of ATSSS**

*Type: CR For: Agreement  
 32.298 v16.5.0 CR-0819 rev 1 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-204052)

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

### 7.5 Rel-17 Charging

#### 7.5.1 IMS Charging in 5G System Architecture

### 7.6 Charging studies

#### 7.6.1 Study on charging aspects of Edge Computing

**S5-204091 DP Charging attributes of Edge Computing**

*Type: discussion For: Approval  
 Source: China Telecomunication Corp.*

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

**S5-204186 pCR Add skeleton of draft TR 28.815**

*Type: pCR For: Approval  
 28.815 v0.0.0  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-204644**.

**S5-204644 pCR Add skeleton of draft TR 28.815**

*Type: pCR For: Approval  
 28.815 v0.0.0  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-204186)

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

**S5-204645 Draft TR 28.815**

*Type: draft TR For: Approval  
 28.815 v0.1.0  
 Source: Intel*

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

## 8 Any Other Business

**S5-204470 (reserved)**

*Type: other For: discussion  
 Source: OAM*

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

**S5-204502 (reserved)**

*Type: other For: discussion  
 Source: OAM*

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

## 9 Closing of the meeting

Report prepared by: 32.422\_CR0335\_(Rel-17)\_e\_5GMDT

## Annex A: Contribution documents and status

### A1: List of TDocs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| S5-204000 | Agenda | WG Chair | revised |  | S5-204431 |
| S5-204001 | Report from last SA5 meeting | MCC | approved |  |  |
| S5-204002 | SA5#132e e-meeting process | WG Chair | noted |  |  |
| S5-204003 | Post SA5#132e Email approval status | WG Chair | available |  |  |
| S5-204004 | OAM&P SWG action list | WG Vice Chair | revised |  | S5-204664 |
| S5-204005 | SA5#132e\_agenda\_with\_Tdocs\_sequence\_proposal\_OAM | WG Vice Chair | noted |  |  |
| S5-204006 | SA5#132e OAM Exec Report | WG Vice Chair | reserved |  |  |
| S5-204007 | SA5#132e OAM Chair notes and conclusions | WG Chair | noted |  |  |
| S5-204008 | CH agenda and time plan | WG Vice Chair (Nokia) | revised |  | S5-204643 |
| S5-204009 | Charging exec report | WG vice Chair (Nokia) | noted |  |  |
| S5-204010 | LS from 5G ACIA cc SA5 on 5G capabilities exposure for factories of the future | 5G ACIA | noted |  |  |
| S5-204011 | Ls from GSMA cc SA5 on Response to SA2 on Clarification of NG.116 | GSMA | noted |  |  |
| S5-204012 | Ls from GSMA to SA5 on NG.116 support of different access types | GSMA | replied to |  |  |
| S5-204013 | LS ccSA5 on Clarification NG.116 GST Throughput Attributes and Non-3GPP Access Support | S2-1912772 | noted |  |  |
| S5-204014 | LS ccSA5 on Reply on support of eCall over NR | C1-203221 | noted |  |  |
| S5-204015 | LS Reply to SA5 on SNSSAI support in N4 Session Establishment | C4-203215 | noted |  |  |
| S5-204016 | Liaison to 3GPP SA2/SA5 on mapping between ENI architecture and NWDAF/MDAF | ETSI ISG ENI | replied to |  |  |
| S5-204017 | Resubmitted LS Out to SA2 and SA5 on making PSCELL ID available at the SGW of EPC | ETSI TC LI | postponed |  |  |
| S5-204018 | LS to SA5 on End-to-End Network Slicing Gap analysis | GSMA | noted |  |  |
| S5-204019 | LSreply to 3GPP SA5 on the update of touchpoints in TS28.622 (ref. S5-197650) | ETSI ISG NFV | noted |  |  |
| S5-204020 | LS to SA5 on QoE Measurement Collection | R2-2005778 | postponed |  |  |
| S5-204021 | LS Reply to SA5 on QoE Measurement Collection | S4-200962 | postponed |  |  |
| S5-204022 | LS ccSA5 on Reply LS on MDT and SON decisions related to RAN3 LSs | R2-2005911 | noted |  |  |
| S5-204023 | Ls to SA5 on Reply LS on the status update of the SON support for NR works | R2-2006372 | replied to |  |  |
| S5-204024 | Reply LS to SA5 on User Data Congestion Analytics | R3-194749 | noted |  |  |
| S5-204025 | Reply LS to SA5 on User Data Congestion Analytics | S2-1910210 | noted |  |  |
| S5-204026 | Ls to SA5 on Support for Streaming Based MDT and Trace report | R3-204110 | replied to |  |  |
| S5-204027 | Ls to SA5 on limitation of Propagation of immediate MDT configuration in case of Xn inter-RAT HO | R3-204115 | replied to |  |  |
| S5-204028 | LS ccSA5 on propagation of user consent related information during Xn inter-PLMN handover | R3-204378 | noted |  |  |
| S5-204029 | Ls to SA5 on the translation of GSMA GST/NEST | S2-1912467 | noted |  |  |
| S5-204030 | Ls to SA5 on NPN network sharing | S2-2001398 | noted |  |  |
| S5-204031 | Ls to SA5 on CAG definition | S2-2001401 | noted |  |  |
| S5-204032 | Resubmitted LS ccSA5 on QoS Monitoring for URLLC | S2-2003468 | replied to |  |  |
| S5-204033 | Reply LS ccSA5 on Application Architecture for enabling Edge Applications | S2-2004386 | noted |  |  |
| S5-204034 | LS to SA5 on Application Registration in relation to management aspects | S6-200949 | replied to |  |  |
| S5-204035 | Ls to SA5 on methodology harmonization and REST-based network management framework (reply to 3GPP TSG SA5-S5-197541) | ITU-T SG2 | replied to |  |  |
| S5-204036 | Ls cc SA5 on LS on M.resm-AI “Requirements for energy saving management of 5G RAN system with AI” | ITU-T SG2 | replied to |  |  |
| S5-204037 | Resubmitted Ls to SA5 on 3GPP Cooperation on Management Services | O-RAN | postponed |  |  |
| S5-204038 | Liaison from ISG ZSM to IETF ccSA5 for TN coordination | ETSI ISG ZSM | noted |  |  |
| S5-204039 | Ls to SA5 on Publication of major ZSM specifications | ETSI ISG ZSM | replied to |  |  |
| S5-204040 | Rel-16 CR 32.274 Add Retransmission IE - non applicable | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-204041 | 28.811 skeleton | HUAWEI TECHNOLOGIES Co. Ltd. | approved |  |  |
| S5-204042 | Add Isolation level and Area of service as the NS Performance and Analytics charging attribute | China Telecomunication Corp. | noted |  |  |
| S5-204043 | Correction of two SCUR Scenarios figure title and message description | China Telecomunication Corp. | not pursued |  |  |
| S5-204044 | Rel-16 CR 32.255 Charging Id Handling 5GC interworking with EPC | Nokia, Nokia Shanghai Bell | revised |  | S5-204615 |
| S5-204045 | Rel-16 CR 32.255 Clarify Charging information 5GC interworking with EPC | Nokia, Nokia Shanghai Bell | revised |  | S5-204616 |
| S5-204046 | Rel-16 CR 32.291 Clarify Charging information 5GC interworking with EPC | Nokia, Nokia Shanghai Bell | revised |  | S5-204617 |
| S5-204047 | Rel-16 CR 32.291 Corrections in names and cardinality for attributes | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-204048 | Rel-16 CR 32.291 Authorization of CHF services access by OAuth 2.0 | Nokia, Nokia Shanghai Bell | revised |  | S5-204618 |
| S5-204049 | Rel-16 CR 32.297 Introduction of TS 28.202 | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-204050 | Rel-16 CR 32.255 Completion of ATSSS triggers | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-204051 | Rel-16 CR 32.291 Introduction of ATSSS | Nokia, Nokia Shanghai Bell | revised |  | S5-204619 |
| S5-204052 | Rel-16 CR 32.298 Introduction of ATSSS | Nokia, Nokia Shanghai Bell | revised |  | S5-204620 |
| S5-204053 | DP Subscriber Identifier in Network Slice Management Charging | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-204054 | Rel-16 pCR 28.202 Solve Editor's note on Subscriber identifier | Nokia, Nokia Shanghai Bell | revised |  | S5-204611 |
| S5-204055 | DP NSI and multiple Service Profiles | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-204056 | Rel-16 pCR 28.202 Solve Editor's note on multiple service profiles | Nokia, Nokia Shanghai Bell | merged |  | S5-204612 |
| S5-204057 | Rel-16 pCR 28.202 Update Charging Architecture | Nokia, Nokia Shanghai Bell | revised |  | S5-204610 |
| S5-204058 | Rel-16 pCR 28.201 Update Charging Architecture | Nokia, Nokia Shanghai Bell | revised |  | S5-204609 |
| S5-204059 | Rel-16 pCR 28.202 Complete charging information | Nokia, Nokia Shanghai Bell | revised |  | S5-204612 |
| S5-204060 | Rel-16 pCR 28.202 Solve Editor's note on Configuration update by CHF | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-204061 | Rel-16 pCR 28.202 Solve Editor's note on Triggers description when CPF | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-204062 | Rel-16 pCR 28.202 Solve Editor's note on use of MUU | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-204063 | Rel-16 CR 32.291 Introduction of NSM charging information | Nokia, Nokia Shanghai Bell | revised |  | S5-204640 |
| S5-204064 | Rel-16 CR 32.298 Introduction of NSM charging information | Nokia, Nokia Shanghai Bell | revised |  | S5-204641 |
| S5-204065 | pCR TR 28.813 Key Issue: Network data analysis assisted ES - Possible OA&M centric solution | Orange, Intel, NEC, Nokia, AT&T, Deutsche Telekom,Huawei | revised |  | S5-204586 |
| S5-204066 | Rel-16 CR 32.291 Correction on category for triggerCategory | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-204067 | pCR TR 28.813 Key Issue: 5GC EE KPI – Potential solution #1 enhancement | Orange, AT&T, Deutsche Telekom | revised |  | S5-204584 |
| S5-204068 | pCR TR 28.813 Key Issue: EE KPI for network slice types | Orange, AT&T, Deutsche Telekom | revised |  | S5-204588 |
| S5-204069 | Correction of NRM YANG errors | Ericsson Hungary Ltd | agreed |  |  |
| S5-204070 | LS reply to LS on M.resm-AI Requirements for energy saving management of 5G RAN system with AI | Orange | revised |  | S5-204516 |
| S5-204071 | Rel-16 pCR 28.202 Change name of CSIF to CPF | Matrixx | revised |  | S5-204601 |
| S5-204072 | Correction of NRM YANG errors | Ericsson Hungary Ltd | agreed |  |  |
| S5-204073 | pCR TR 28.813 Key Issue: VNF energy consumption estimation | Orange, AT&T, Deutsche Telekom | approved |  |  |
| S5-204074 | Revised WID network policy management for 5G mobile networks | China Mobile Com. Corporation | noted |  |  |
| S5-204075 | pCR 28.555 add skeleton | China Mobile Com. Corporation | revised |  | S5-204455 |
| S5-204076 | pCR 28.555 add introduction | China Mobile Com. Corporation | revised |  | S5-204456 |
| S5-204077 | pCR 28.555 add scope | China Mobile Com. Corporation | revised |  | S5-204457 |
| S5-204078 | pCR 28.555 add Concepts and background | China Mobile Com. Corporation | revised |  | S5-204458 |
| S5-204079 | pCR 28.555 add business level requirements | China Mobile Com. Corporation | revised |  | S5-204453 |
| S5-204080 | pCR 28.555 add high level usecases | China Mobile Com. Corporation | revised |  | S5-204454 |
| S5-204081 | DP on Common Charging architecture | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-204082 | pCR 28.555 add specification level requirements | China Mobile Com. Corporation | approved |  |  |
| S5-204083 | pCR 28.555 add specification level use cases | China Mobile Com. Corporation | noted |  |  |
| S5-204084 | draft TS 28100-000 | China Mobile Com. Corporation | approved |  |  |
| S5-204085 | pCR 28.100 Add skeleton | China Mobile, Huawei | revised |  | S5-204555 |
| S5-204086 | pCR 28.100 Add Scope | China Mobile, Huawei | approved |  |  |
| S5-204087 | pCR 28.100 Add definitions and abbreviations | China Mobile, Huawei | approved |  |  |
| S5-204088 | pCR 28.810 Update Clause 6.2.2 Potential relation with autonomous network related standardized features and interfaces | China Mobile, Huawei | approved |  |  |
| S5-204089 | pCR 28.810 Add Conclusion and Recommendation | China Mobile, Huawei | revised |  | S5-204556 |
| S5-204090 | Add handling of Xn handover for inter-RAT and information for mapping between URI of TCE and TCE ID | Oy LM Ericsson AB | agreed |  |  |
| S5-204091 | DP Charging attributes of Edge Computing | China Telecomunication Corp. | withdrawn |  |  |
| S5-204092 | Add new MDT requirements | Oy LM Ericsson AB | agreed |  |  |
| S5-204093 | Movement of “Distribution of Normally Released Call (5QI 1 QoS Flow) Duration” and “Distribution of Abnormally Released Call (5QI 1 QoS Flow) Duration” measurements to chapter 5.1.1.24. | Nokia Solutions & Networks (I) | revised |  | S5-204490 |
| S5-204094 | Clean-up definitions and references | Oy LM Ericsson AB | revised |  | S5-204520 |
| S5-204095 | Clean-up definitions and references | Oy LM Ericsson AB | revised |  | S5-204521 |
| S5-204096 | Clean-up definitions and references | Oy LM Ericsson AB | revised |  | S5-204522 |
| S5-204097 | Clean-up definitions and references | Oy LM Ericsson AB | revised |  | S5-204523 |
| S5-204098 | Clean-up definitions and references | Oy LM Ericsson AB | revised |  | S5-204524 |
| S5-204099 | Clean-up definitions and references | Oy LM Ericsson AB | revised |  | S5-204525 |
| S5-204100 | Add potential solutions for the MDA assisted energy saving analysis | China Telecom Corporation Ltd. | withdrawn |  |  |
| S5-204101 | Add potential solutions for the MDA assisted energy saving analysis | China Telecom Corporation Ltd. | revised |  | S5-204587 |
| S5-204102 | Rel-16 CR TS 28.530 Replacement of MF and managed function terms with network function | NEC Europe Ltd | revised |  | S5-204526 |
| S5-204103 | draft TR 28.814 | Intel Corporation (UK) Ltd | approved |  |  |
| S5-204104 | pCR 28.814 skeleton | Intel Corporation (UK) Ltd | revised |  | S5-204495 |
| S5-204105 | pCR 28.814 scope | Intel Corporation (UK) Ltd | merged |  | S5-204496 |
| S5-204106 | pCR 28.814 edge computing management concept | Intel Corporation (UK) Ltd | revised |  | S5-204497 |
| S5-204107 | pCR 28.814 use cases and requirements for EAS deployment | Intel Corporation (UK) Ltd | revised |  | S5-204499 |
| S5-204108 | pCR 28.814 use cases and requirements for EES deployment | Intel Corporation (UK) Ltd | revised |  | S5-204500 |
| S5-204109 | pCR 28.814 use cases and requirements for ECS deployment | Intel Corporation (UK) Ltd | revised |  | S5-204501 |
| S5-204110 | pCR 28.814 add solutions for EDN deployment | Intel Corporation (UK) Ltd | noted |  |  |
| S5-204111 | pCR 28.313 add references for MRO measurements | Intel Corporation (UK) Ltd | revised |  | S5-204451 |
| S5-204112 | pCR 28.313 add references for type 2 parameters | Intel Corporation (UK) Ltd | noted |  |  |
| S5-204113 | Discussion for RACH optimization | Intel Corporation (UK) Ltd | noted |  |  |
| S5-204114 | R-16 CR 28.522 Add measurements related to RACH optimization | Intel Corporation (UK) Ltd | merged |  | S5-204655 |
| S5-204115 | Rel-17 CR TS 28.552 Add PLMN granularity for UE throughput measurements | China Telecom Corporation Ltd. | revised |  | S5-204491 |
| S5-204116 | Rel-17 CR TS 28.552 Add RRC establishment failure measurements | China Telecom Corporation Ltd. | revised |  | S5-204492 |
| S5-204117 | LS reply to SA6 on application registration in relation to mgmt aspects | Samsung Electronics Benelux BV | approved |  |  |
| S5-204118 | Rel-15 CR Adding AUSF and SMSF as Trace Entity | Samsung Electronics Benelux BV | revised |  | S5-204535 |
| S5-204119 | Rel-16 CR Adding AUSF and SMSF as Trace Entity | Samsung Electronics Benelux BV | revised |  | S5-204536 |
| S5-204120 | pCR 28.809 Solution for Paging Optimization | Samsung Electronics Benelux BV | revised |  | S5-204575 |
| S5-204121 | pCR 28.809 solution for RAN Node software upgrade | Samsung Electronics Benelux BV | revised |  | S5-204576 |
| S5-204122 | Rel-17 CR Fixing KPIs | Samsung Electronics Benelux BV | not pursued |  |  |
| S5-204123 | Rel-16 CR Fixing KPIs | Samsung Electronics Benelux BV | revised |  | S5-204482 |
| S5-204124 | Rel-16 CR Deleting Round-trip packet delay between PSA UPF and UE | Samsung Electronics Benelux BV | not pursued |  |  |
| S5-204125 | Rel-17 CR Deleting Round-trip packet delay between PSA UPF and UE | Samsung Electronics Benelux BV | not pursued |  |  |
| S5-204126 | pCR 28.814 Concept and Overview | Samsung Electronics Benelux BV | revised |  | S5-204498 |
| S5-204127 | pCR 28.814 Scope References Definitions | Samsung Electronics Benelux BV | revised |  | S5-204496 |
| S5-204128 | pCR 28.814 Skeleton | Samsung Electronics Benelux BV | approved |  |  |
| S5-204129 | pCR 28.814 EAS Lifecycle Management | Samsung Electronics Benelux BV | merged |  | S5-204499 |
| S5-204130 | pCR 28.814 EDN Deployment | Samsung Electronics Benelux BV | merged |  | S5-204500 |
| S5-204131 | Discussion on user consent in trace and MDT report procedure | HuaWei Technologies Co., Ltd | noted |  |  |
| S5-204132 | pCR 28.557 Roles related to NPN management | TELEFONICA S.A. | revised |  | S5-204463 |
| S5-204133 | Rel-16 CR TS 28.552 correct the descriptions of UL packet delay between PSA UPF and UE | HuaWei Technologies Co., Ltd | not pursued |  |  |
| S5-204134 | YANG SS for Trace Control | Ericsson Hungary Ltd | agreed |  |  |
| S5-204135 | Rel-16 CR TS 28.550 Update description of MnS components used for configurable PM control | Huawei | agreed |  |  |
| S5-204136 | Rel-16 CR TS 28.545 Update description of MnS components used for configurable FM control | Huawei | revised |  | S5-204528 |
| S5-204137 | Rel-16 CR TS 28.532 Change stage2 definition for performance data file report MnS to generic file data report MnS | Huawei | agreed |  |  |
| S5-204138 | Rel-16 CR TS 28.532 Change RESTFUL definition for performance data file report MnS to generic file data report MnS | Huawei | agreed |  |  |
| S5-204139 | Rel-16 CR TS 28.532 Change openAPI definition for performance data file report MnS to generic file data report MnS | Huawei | agreed |  |  |
| S5-204140 | Rel-16 CR TS 28.532 Clarification on Annex A.1, A.2 and A.5 | Huawei | revised |  | S5-204504 |
| S5-204141 | Rel-16 CR TS 28.532 Update URI for streamingDataReportingMnS to aligh with URI structure defined in 32.158 | Huawei | agreed |  |  |
| S5-204142 | Rel-16 CR TS 28.533 Add missing definition | Huawei | revised |  | S5-204527 |
| S5-204143 | Rel-15 CR TS 28.532 Correct the description for generic provisioning MnS | Huawei | revised |  | S5-204532 |
| S5-204144 | Rel-16 CR TS 28.532 Correct the description for generic provisioning MnS | Huawei | revised |  | S5-204533 |
| S5-204145 | Rel-16 CR TS 28.541 Correction on NR NRM | Huawei | revised |  | S5-204654 |
| S5-204146 | Rel-16 CR TS 28.541 Update openAPI definition for localAddress to align with stage2 definition | Huawei | agreed |  |  |
| S5-204147 | Rel-15 CR TS 28.541 Correct on frequency related IOC | Huawei | agreed |  |  |
| S5-204148 | Rel-16 CR TS 28.541 Correct on frequency related IOC | Huawei | agreed |  |  |
| S5-204149 | Rel-15 CR TS 28.658 Add missing inheritance diagram for EUtranFrequency and EUtranFreqRelation | Huawei | revised |  | S5-204530 |
| S5-204150 | Rel-16 CR TS 28.658 Add missing inheritance diagram for EUtranFrequency and EUtranFreqRelation | Huawei | revised |  | S5-204531 |
| S5-204151 | Discussn on NR NRM update to support RAN sharing scenario | Huawei,China Telecom | noted |  |  |
| S5-204152 | Rel-17 CR TS 28.540 Add requirements for NR NRM to support RAN sharing scenario | Huawei | withdrawn |  |  |
| S5-204153 | Rel-17 CR TS 28.541 Update NR NRM to support RAN sharing scenario | Huawei,China Telecom | not pursued |  |  |
| S5-204154 | On RACH optimization granularity for NR | Ericsson France S.A.S | withdrawn |  |  |
| S5-204155 | Add measurements for RACH optimization management for NR | Ericsson France S.A.S | withdrawn |  |  |
| S5-204156 | pCR 28.557 Structuring content on concepts and overview of NPN management | TELEFONICA S.A. | revised |  | S5-204465 |
| S5-204157 | pCR Add solution on MDA ML model training | Intel Corporation (UK) Ltd | noted |  |  |
| S5-204158 | pCR Add solution on MDA assisted SON coordination | Intel Corporation (UK) Ltd | merged |  | S5-204559 |
| S5-204159 | Rel-16 CR 28.554 Correction of RAN UE throughput KPI | Intel Corporation (UK) Ltd | agreed |  |  |
| S5-204160 | Rel-17 CR 28.552 Add measurements on network slice selection | Intel Corporation (UK) Ltd | agreed |  |  |
| S5-204161 | Rel-17 CR 28.552 Add measurements on NSSAI availability service | Intel Corporation (UK) Ltd | agreed |  |  |
| S5-204162 | Rel-16 CR 32.291 Charging characteristics not consistently defined | Ericsson | agreed |  |  |
| S5-204163 | Rel-16 CR 32.255 Correction of missing AF Charging Id in string format | Ericsson | revised |  | S5-204621 |
| S5-204164 | Rel-16 CR 32.291 Correction of missing AF Charging Id in string format | Ericsson | revised |  | S5-204622 |
| S5-204165 | Rel-16 CR 32.298 Correction of missing AF Charging Id in string format | Ericsson | revised |  | S5-204623 |
| S5-204166 | Rel-15 CR 32.291 Correction of nfConsumerIdentification in response | Ericsson | agreed |  |  |
| S5-204167 | Rel-16 CR 32.255 Missing handling of implicit armed triggers | Ericsson | not pursued |  |  |
| S5-204168 | Rel-16 CR 32.290 Missing handling of resource at failure | Ericsson | not pursued |  |  |
| S5-204169 | Rel-16 CR 32.291 Correction to tariffTimeChange with UTC time | Ericsson | agreed |  |  |
| S5-204170 | Rel-15 CR 32.298 Missing time in QFI container | Ericsson | not pursued |  |  |
| S5-204171 | Rel-16 CR 32.291 Missing handling of location triggers | Ericsson | merged |  | S5-204617 |
| S5-204172 | Rel-16 CR 32.291 Missing suspend of quota management | Ericsson | revised |  | S5-204624 |
| S5-204173 | Rel-16 CR 32.298 Missing suspend of quota management | Ericsson | revised |  | S5-204625 |
| S5-204174 | Rel-16 pCR 28.201 Adding use of multiple unit usage | Ericsson | revised |  | S5-204626 |
| S5-204175 | Rel-16 pCR 28.202 Adding trigger for CPF | Ericsson | revised |  | S5-204627 |
| S5-204176 | Rel-16 pCR 28.202 Adding charging information | Ericsson | revised |  | S5-204628 |
| S5-204177 | Rel-16 CR 28.541 Add IOC for predefined PCC rule - stage 2 | Intel Corporation (UK) Ltd | revised |  | S5-204447 |
| S5-204178 | Rel-16 CR 28.541 Add IOC for predefined PCC rule - stage 3 | Intel Corporation (UK) Ltd | revised |  | S5-204448 |
| S5-204179 | Rel-16 CR 28.541 Enable PCF to support configurable 5QIs | Intel, CATT | agreed |  |  |
| S5-204180 | Rel-16 CR 28.541 Add IOC for dynamic 5QIs - stage 2 | Intel Corporation (UK) Ltd | agreed |  |  |
| S5-204181 | Rel-16 CR 28.541 Add IOC for dynamic 5QIs - stage 3 | Intel Corporation (UK) Ltd | agreed |  |  |
| S5-204182 | Rel-15 CR 28.532 Correct and move the streaming solution from 28.550 to 28.532 | Intel Corporation (UK) Ltd | agreed |  |  |
| S5-204183 | Rel-15 CR 28.550 Remove the streaming solution from 28.550 | Intel Corporation (UK) Ltd | revised |  | S5-204184 |
| S5-204184 | Rel-16 CR 28.550 Remove the streaming solution from 28.550 | Intel Corporation (UK) Ltd | withdrawn | S5-204183 |  |
| S5-204185 | Rel-16 CR 28.550 Correction of performance data streaming sequence flow | Intel Corporation (UK) Ltd | agreed |  |  |
| S5-204186 | pCR Add skeleton of draft TR 28.815 | Intel Corporation (UK) Ltd | revised |  | S5-204644 |
| S5-204187 | Presentation of TR 28.809 for information | Intel Corporation (UK) Ltd | approved |  |  |
| S5-204188 | Discussion on LS reply from SA2 on QoS monitoring for URLLC | Intel Corporation (UK) Ltd | revised |  | S5-204548 |
| S5-204189 | LS reply to SA2 and RAN3 on QoS monitoring | Intel Corporation (UK) Ltd | revised |  | S5-204537 |
| S5-204190 | Rel-15 CR 28.550 Remove the streaming solution from 28.550 | Intel Corporation (UK) Ltd | agreed |  |  |
| S5-204191 | Rel-16 CR 28.550 Remove the streaming solution from 28.550 | Intel Corporation (UK) Ltd | agreed |  |  |
| S5-204192 | Rel-16 CR TS 28.531 Editorial corrections to remove redundant text from use cases | NEC Europe Ltd | revised |  | S5-204547 |
| S5-204193 | Rel-16 CR TS 28.530 corrections | NEC Europe Ltd | revised |  | S5-204543 |
| S5-204194 | Rel-16 CR TS 28.541 add TCE mapping info in GNBCUCPFunction | Huawei | revised |  | S5-204665 |
| S5-204195 | Rel-16 CR TS 28.541 add TCE mapping info in openAPI solution | Huawei | revised |  | S5-204666 |
| S5-204196 | Rel-16 CR TS 32.422 Add the missing procedure of SCG failure reporting | Huawei | not pursued |  |  |
| S5-204197 | Rel-16 CR TS 32.422 Update RCEF procedures according to user consent | Huawei | not pursued |  |  |
| S5-204198 | Rel-16 CR TS 32.422 Update RLF procedures according to user consent | Huawei | not pursued |  |  |
| S5-204199 | pCR 28.809 Use case and potential solutions of fault prediction analysis | ZTE Corporation | revised |  | S5-204571 |
| S5-204200 | Rel-16 CR TS 28.552 Addition of AM policy association update notify measurements for PCF | China Mobile Com. Corporation, ZTE | revised |  | S5-204538 |
| S5-204201 | Rel-16 CR TS 28.552 Addition of SM policy association update measurements for PCF | China Mobile Com. Corporation, ZTE | revised |  | S5-204539 |
| S5-204202 | Rel-16 CR TS 28.545 Remove discarded IOC FMContol | ZTE Corporation | merged |  | S5-204528 |
| S5-204203 | Rel-16 CR TS 28.628 Modify TOP as parent class | ZTE Corporation | agreed |  |  |
| S5-204204 | Rel-16 CR TS 28.552 Update the description of RRC connection re-establishment related measurementss | ZTE Corporation | revised |  | S5-204540 |
| S5-204205 | R16 CR TS28.552 Modify MCS related Measurements | ZTE Corporation | revised |  | S5-204541 |
| S5-204206 | R17 CR TS28.552 ADD EPS fallback handover related Measurement | ZTE Corporation | revised |  | S5-204483 |
| S5-204207 | Rel-15 CR 32.291 Correct the InvocationSequenceNumber | Huawei | not pursued |  |  |
| S5-204208 | Rel-16 CR 32.291 Correct the InvocationSequenceNumber | Huawei | not pursued |  |  |
| S5-204209 | Rel-16 CR 32.255 Add the enhanced Diagnostics for 5G Charging | Huawei | not pursued |  |  |
| S5-204210 | Rel-16 CR 32.291 Add the enhanced Diagnostics for 5G Charging | Huawei | not pursued |  |  |
| S5-204211 | Rel-16 CR 32.298 Add the enhanced Diagnostics for 5G Charging | Huawei | not pursued |  |  |
| S5-204212 | Rel-16 CR 32.290 Add the attributes for CHFQM | Huawei | revised |  | S5-204606 |
| S5-204213 | Rel-16 CR 32.291 Add the attributes for CHFQM | Huawei | not pursued |  |  |
| S5-204214 | LSout on NWDAF for Network Slice Performance and Analytics Charging | Huawei | revised |  | S5-204593 |
| S5-204215 | Rel16 pCR 28.201 Update the Bns | Huawei | revised |  | S5-204594 |
| S5-204216 | Rel16 pCR 28.201 Update the CHF selection based on NRF | Huawei | revised |  | S5-204595 |
| S5-204217 | Rel16 pCR 28.201 Update the clause 3 for new charging function | Huawei | revised |  | S5-204596 |
| S5-204218 | Rel16 pCR 28.201 Update the new charging function name | Huawei | revised |  | S5-204597 |
| S5-204219 | Rel16 pCR 28.201 Update the NS performance and analytics charging information | Huawei | merged |  | S5-204626 |
| S5-204220 | Rel16 pCR 28.201 Update the referenced figure and remove the editor's notes in clause 4 | Huawei | revised |  | S5-204598 |
| S5-204221 | Rel16 pCR 28.201 Update the the PA charging information in clause 5.1.3 | Huawei | revised |  | S5-204599 |
| S5-204222 | Rel-16 CR 32.298 Add the NS performance and analytics charging parameter | Huawei | revised |  | S5-204600 |
| S5-204223 | Rel-16 CR 32.291 Add the NSPA charging attribute for convergedchargingservice | Huawei | revised |  | S5-204602 |
| S5-204224 | Rel16 pCR 28.202 Clarification of subscriber identifier | Huawei | noted |  |  |
| S5-204225 | Rel16 pCR 28.202 Update the CHF selection based on NRF | Huawei | revised |  | S5-204605 |
| S5-204226 | New WID on charging enhancement for URLLC | Huawei | revised |  | S5-204607 |
| S5-204227 | Rel-16 CR TS 32.255 Add EPC&ePDG interworking procedures | Huawei | revised |  | S5-204630 |
| S5-204228 | Rel-16 CR TS 32.255 Add ePDG as serving node | Huawei | revised |  | S5-204629 |
| S5-204229 | Rel-16 CR TS 32.255 Add support of stateless SMF | Huawei | not pursued |  |  |
| S5-204230 | Rel-16 CR TS 32.255 Align 5WWC RAT types | Huawei | revised |  | S5-204638 |
| S5-204231 | Rel-16 CR TS 32.298 Add 5WWC RAT types | Huawei | revised |  | S5-204633 |
| S5-204232 | Rel-16 CR TS 32.291 Add timeLimit and eventLimit | Huawei | revised |  | S5-204634 |
| S5-204233 | Rel-16 CR TS 32.291 Update cardinality for event time stamps | Huawei | revised |  | S5-204635 |
| S5-204234 | Rel-16 CR TS 32.298 Add QHT in CHF CDR | Huawei | agreed |  |  |
| S5-204235 | Rel-16 CR 32.255 Correct architecture figures and description | Huawei | revised |  | S5-204636 |
| S5-204236 | Discussion on the information element for multi-homed PDU Session | Huawei | noted |  |  |
| S5-204237 | Rel-16 CR 32.255 Add PDU address for IPv6 multi-homing | Huawei | revised |  | S5-204637 |
| S5-204238 | Discussion paper on charging for CIoT 5GS feature | Huawei | noted |  |  |
| S5-204239 | New WID on 5G charging for CIOT | Huawei | revised |  | S5-204657 |
| S5-204240 | Rel-17 CR 28.552 Add incoming and outgoing GTP data packet loss TEI | Huawei | revised |  | S5-204493 |
| S5-204241 | Rel-15 CR TS 32.422 adding AMF interface trace information | Huawei | agreed |  |  |
| S5-204242 | Rel-16 CR TS 32.422 adding AMF interface trace information | Huawei | agreed |  |  |
| S5-204243 | Rel-16 28.541 CR Add missing definitions for perfReq | Huawei | revised |  | S5-204544 |
| S5-204244 | pCR 28.810 Editorial improvements | Huawei | withdrawn |  |  |
| S5-204245 | pCR 28.809 MDAS Analysis confidence levels | Huawei | revised |  | S5-204577 |
| S5-204246 | pCR 28.809 Add overview of MDA functionality | Huawei | revised |  | S5-204578 |
| S5-204247 | pCR 28.809 Editorial improvements | Huawei | approved |  |  |
| S5-204248 | pCR 28.809 Add Subscription to Management Data Analytics Reports | Huawei | revised |  | S5-204569 |
| S5-204249 | pCR 28.809 Add Request for Management Data Analytics Reports | Huawei | approved |  |  |
| S5-204250 | pCR 28.809 Add CN related KPI anomaly analysis | Huawei | revised |  | S5-204505 |
| S5-204251 | pCR 28.809 Add possible solution for NAS congestion control | Huawei | approved |  |  |
| S5-204252 | pCR 28.809 updating E2E latency analysis use case | Huawei | revised |  | S5-204572 |
| S5-204253 | pCR 28.809 updating network slice throughput analysis use case | Huawei | revised |  | S5-204573 |
| S5-204254 | pCR 28.809 updating fault analysis use case | Huawei | approved |  |  |
| S5-204255 | pCR 28.809 Add missing abbreviations | Huawei | revised |  | S5-204570 |
| S5-204256 | pCR 28.813 Add measurement assumption for energy consumption | Huawei | noted |  |  |
| S5-204257 | pCR 28.811 Add concepts | Huawei | revised |  | S5-204582 |
| S5-204258 | pCR 28.811 Add scope | Huawei | revised |  | S5-204583 |
| S5-204259 | R17 CR TS28.552 ADD EPS fallback redirection related Measurement | ZTE Corporation | revised |  | S5-204484 |
| S5-204260 | Rel-17 CR TS 28.540 Add requirements for NR NRM to support RAN sharing scenario | China Telecom Corporation Ltd.,Huawei | agreed |  |  |
| S5-204261 | CR TS 28.541 Add the MLB support indicator in NRcellrelation | Huawei | revised |  | S5-204481 |
| S5-204262 | pCR TS 28.313 Corrections of Management service description | Huawei | revised |  | S5-204450 |
| S5-204263 | pCR TS 28.313 Corrections of D-SON procedure | Huawei | revised |  | S5-204452 |
| S5-204264 | Revised WID on Intent driven management service for mobile networks | Huawei Technologies (Korea) | noted |  |  |
| S5-204265 | Discussion on the relation between Rel-17 autonomous related work | Huawei Technologies (Korea) | revised |  | S5-204518 |
| S5-204266 | Rel-16 CR 28.310 Add missing requirements traceability for energy saving use cases | Huawei | agreed |  |  |
| S5-204267 | Rel-16 CR 28.541 Delete reliability and supportAccessTech to align with GST | Huawei | revised |  | S5-204473 |
| S5-204268 | Rel-16 CR 28.541 Correction on duplicated annex numbering | Huawei | agreed |  |  |
| S5-204269 | Rel-16 CR 28.531 Correction on network slice related identifiers | Huawei | not pursued |  |  |
| S5-204270 | Rel-16 CR 28.541 Update on ServiceProfile and SliceProfile | Huawei | not pursued |  |  |
| S5-204271 | pCR 28.557 Proposed section titles from rapporteur | Huawei | revised |  | S5-204466 |
| S5-204272 | pCR 28.557 Add NPN terminologies and abbreviations | Huawei | merged |  | S5-204467 |
| S5-204273 | pCR 28.557 Add introduction of TS | Huawei | revised |  | S5-204467 |
| S5-204274 | pCR 28.557 Add scope of TS | Huawei | revised |  | S5-204468 |
| S5-204275 | pCR 28.557 Add concept of NPN | Huawei | revised |  | S5-204464 |
| S5-204276 | pCR 28.557 Management of stand-alone non-public networks | Huawei | revised |  | S5-204469 |
| S5-204277 | Rel-17 CR 28.541 Update maxNumberofConns | Huawei | revised |  | S5-204472 |
| S5-204278 | Rel-17 CR 28.541 Add NB-IoT support in ServiceProfile | Huawei | agreed |  |  |
| S5-204279 | NRM modelling of SliceProfile | Huawei | noted |  |  |
| S5-204280 | Living document of review of GSMA GST SA5#132e | Huawei, China Mobile | noted |  |  |
| S5-204281 | pCR 28.813 Key Issue – Service-oriented energy saving | Huawei | revised |  | S5-204513 |
| S5-204282 | pCR 28.813 Key Issue - Area based energy saving | Huawei | revised |  | S5-204512 |
| S5-204283 | Add requirements of SLA management | China Mobile Com. Corporation | not pursued |  |  |
| S5-204284 | Discussion on updating slice profile according to different network slice subnets | China Mobile Com. Corporation | withdrawn |  |  |
| S5-204285 | Discussion on updating slice profile according to different network slice subnets | China Mobile Com. Corporation | withdrawn |  |  |
| S5-204286 | Discussion on updating slice profile according to different network slice subnets | China Mobile Com. Corporation | withdrawn |  |  |
| S5-204287 | Discussion on updating slice profile according to different network slice subnets | China Mobile Com. Corporation | withdrawn |  |  |
| S5-204288 | Add use case of network resource usage and performance prediction assisted SLS communication service Assurance | China Mobile Com. Corporation | not pursued |  |  |
| S5-204289 | Discussion on updating slice profile according to different network slice subnets | China Mobile Com. Corporation | withdrawn |  |  |
| S5-204290 | Discussion on updating slice profile according to different network slice subnets | China Mobile Com. Corporation | withdrawn |  |  |
| S5-204291 | Discussion on updating slice profile according to different network slice subnets | China Mobile Com. Corporation | noted |  |  |
| S5-204292 | Update control loop deployed in different layers with SLA decomposition | China Mobile Com. Corporation | revised |  | S5-204471 |
| S5-204293 | Update sliceProfile considering different domains proposal 1 | China Mobile Com. Corporation | not pursued |  |  |
| S5-204294 | Update sliceProfile considering different domains proposal 2 | China Mobile Com. Corporation | not pursued |  |  |
| S5-204295 | Solutions on EE KPI for 5GC | China Telecomunication Corp. | noted |  |  |
| S5-204296 | pCR 28.312 Add scope | Huawei | revised |  | S5-204460 |
| S5-204297 | pCR 28.312 Add skeleton | Huawei | revised |  | S5-204461 |
| S5-204298 | pCR 28.312 Add concept and background | Huawei | revised |  | S5-204462 |
| S5-204299 | pCR 28.810 Update workflow | Huawei,China Mobile | revised |  | S5-204557 |
| S5-204300 | pCR 28.810 Remove unnecessary Editor's Note | Huawei,China Mobile | approved |  |  |
| S5-204301 | pCR 28.810 Add potential requirements for coverage optimization use case | Huawei,China Mobile | revised |  | S5-204558 |
| S5-204302 | Rel-17 CR TS 28.535 Add use case and requirements for close loop execution supervision | Huawei,China Mobile | not pursued |  |  |
| S5-204303 | LS reply to RAN2 on user consent for trace reporting | HuaWei Technologies Co., Ltd | revised |  | S5-204542 |
| S5-204304 | Rel-16 CR 28.541 Update NRM attribute definitions | CATT | agreed |  |  |
| S5-204305 | R17 CR TS28.552 ADD EPS fallback handover time Measurement | ZTE Corporation | revised |  | S5-204485 |
| S5-204306 | New SID Study on charging aspects of Proximity-based Services in 5GC | CATT | revised |  | S5-204591 |
| S5-204307 | pCR 28.809 Update use case and potential requirements of E2E latency analysis | Huawei | merged |  | S5-204572 |
| S5-204308 | pCR 28.809 Update use case and potential requirements of network slice load analysis | Huawei | revised |  | S5-204574 |
| S5-204309 | pCR 28.809 Add use case and potential requirements of mobility performance analysis | Huawei | revised |  | S5-204561 |
| S5-204310 | pCR 28.809 Update use case and potential solutions of resource utilization analysis | Huawei | revised |  | S5-204565 |
| S5-204311 | pCR 28.809 Add the potential requirements and solutions for service experience related analysis | Huawei | revised |  | S5-204579 |
| S5-204312 | Rel-17 CR TS 28.535 Update overview of management control loops | Huawei Technologies Japan K.K. | not pursued |  |  |
| S5-204313 | Rel-17 CR TS 28.535 Management different type of control loops | Huawei Technologies Japan K.K. | not pursued |  |  |
| S5-204314 | Rel-17 CR TS 28.535 Coordination between control loops | Huawei Technologies Japan K.K. | not pursued |  |  |
| S5-204315 | pCR 28.810 Editorial improvements | Huawei Tech.(UK) Co., Ltd | approved |  |  |
| S5-204316 | Correction of reference list and adding references throughout the document | Ericsson LM | agreed |  |  |
| S5-204317 | Create solution sets for managing QoE measurement collection | Oy LM Ericsson AB | approved |  |  |
| S5-204318 | Correction of reference list and adding references throughout the document | Ericsson LM | agreed |  |  |
| S5-204319 | Reply LS on support for stream based MDT/Trace reporting | Oy LM Ericsson AB | revised |  | S5-204669 |
| S5-204320 | TD Issues in data collection and discovery | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-204321 | Correction of reference list and adding references throughout the document | Ericsson LM | agreed |  |  |
| S5-204322 | Correction of reference list and adding references throughout the document | Ericsson LM | agreed |  |  |
| S5-204323 | Discussion on 5G capabilities exposure | Orange | noted |  |  |
| S5-204324 | Reply LS on limitation of Propagation of immediate MDT configuration in case of Xn inter-RAT HO | Oy LM Ericsson AB | revised |  | S5-204474 |
| S5-204325 | Correction of reference list and adding references throughout the document | Ericsson LM | revised |  | S5-204553 |
| S5-204326 | Correction of reference list and adding references throughout the document | Ericsson LM | agreed |  |  |
| S5-204327 | Correction of reference list and adding references throughout the document | Ericsson LM | revised |  | S5-204668 |
| S5-204328 | CR Rel-12 Remove the reference to M-SDO tdoc | Huawei | agreed |  |  |
| S5-204329 | CR Rel-13 Remove the reference to M-SDO tdoc | Huawei | agreed |  |  |
| S5-204330 | CR Rel-14 Remove the reference to M-SDO tdoc | Huawei | agreed |  |  |
| S5-204331 | CR Rel-15 Remove the reference to M-SDO tdoc | Huawei | agreed |  |  |
| S5-204332 | CR Rel-16 Remove the reference to M-SDO tdoc | Huawei | agreed |  |  |
| S5-204333 | New WID on N40 Interface Enhancements to Support GERAN and UTRAN | China Mobile Com. Corporation | withdrawn |  |  |
| S5-204334 | New WID on N40 Interface Enhancements to Support GERAN and UTRAN | China Mobile Com. Corporation | withdrawn |  |  |
| S5-204335 | New WID on N40 Interface Enhancements to Support GERAN and UTRAN | China Mobile Com. Corporation | withdrawn |  |  |
| S5-204336 | Rel-16 CR 32.158 Add missing design pattern for asynchronous operations | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-204337 | New WID on N40 Interface Enhancements to Support GERAN and UTRAN | China Mobile Com. Corporation | revised |  | S5-204592 |
| S5-204338 | TR 28.812 Presentation sheet to SA for Information and Approval | Huawei | approved |  |  |
| S5-204339 | Rel-16 CR 28.623 Add missing definitions to comDefs.yaml (OpenAPI definitions) | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-204340 | pCR 28.809 Add load balancing optimization use case | China Mobile Com. Corporation | revised |  | S5-204560 |
| S5-204341 | Rel-16 CR 28.623 Correct various smaller errors (e.g. validation errors) in genericNRM.yaml (OpenAPI definitions) | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-204342 | Rel-16 CR 28.622 Correct ThresholdMonitor definition (stage 2) | Nokia, Nokia Shanghai Bell | revised |  | S5-204585 |
| S5-204343 | Rel-16 CR 28.623 Correct ThresholdMonitor definition (OpenAPI definitions) | Nokia, Nokia Shanghai Bell | revised |  | S5-204650 |
| S5-204344 | pCR 28.808 Add a solution to monitor delay on the DL-Air Interface with MEO or GEO satellite components | TNO | approved |  |  |
| S5-204345 | pCR 28.808 Remove two unnecessary use case clause headers | TNO | approved |  |  |
| S5-204346 | Rel-17 CR TS 28.552 Add measurements for RB distribution per layer of MU-MIMO | China Telecom Corporation Ltd., ZTE | revised |  | S5-204486 |
| S5-204347 | DP on GST Translation and Configuration | Samsung Electronics Benelux BV | noted |  |  |
| S5-204348 | Rel-17 CR ServiceProfle to SliceProfile Translation - Option 1 | Samsung Electronics Benelux BV | not pursued |  |  |
| S5-204349 | Discussion regarding documenting closed loop interactions | Lenovo, Motorola Mobility | noted |  |  |
| S5-204350 | Rel-17 CR ServiceProfle to SliceProfile Translation - Option 2 | Samsung Electronics Benelux BV | not pursued |  |  |
| S5-204351 | Rel-17 CR ServiceProfle to SliceProfile Translation - Option 1 - Stage 3 - XML | Samsung Electronics Benelux BV | not pursued |  |  |
| S5-204352 | Rel-17 CR ServiceProfle to SliceProfile Translation - Option 1 - Stage 3 - YAML | Samsung Electronics Benelux BV | not pursued |  |  |
| S5-204353 | Security riak assessment analytics use case | Nokia Germany | revised |  | S5-204580 |
| S5-204354 | Rel 17 CR TS28.535 Add use case and requirements for enabling pause of a control loop | Lenovo, Motorola Mobility | not pursued |  |  |
| S5-204355 | Rel-17 CR ServiceProfle to SliceProfile Translation - Option 2 - Stage 3 - XML | Samsung Electronics Benelux BV | not pursued |  |  |
| S5-204356 | Rel-17 CR ServiceProfle to SliceProfile Translation - Option 2 - Stage 3 - YAML | Samsung Electronics Benelux BV | not pursued |  |  |
| S5-204357 | Rel 17 CR TS28.535 Add use case for disabling actions of an assurance loop | Lenovo, Motorola Mobility | not pursued |  |  |
| S5-204358 | Rel-17 CR 28.552 Add UDM subscriber profile measurements | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-204359 | Rel-17 CR Configurable Parameters Configuration - Option 1 | Samsung Electronics Benelux BV | not pursued |  |  |
| S5-204360 | New SID on YANG PUSH notifications | Ericsson | revised |  | S5-204519 |
| S5-204361 | Rel17 CR TS28.536 Enhance CL model to support pause points | Lenovo, Motorola Mobility | not pursued |  |  |
| S5-204362 | Rel-16 CR 28.622 Correct HeartbeatControl definition and some other smaller issues (stage 2) | Nokia, Nokia Shanghai Bell | revised |  | S5-204549 |
| S5-204363 | Rel-16 CR 28.532 Correct various smaller errors (e.g. validation errors) in faultMnS.yaml (OpenAPI definitions) | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-204364 | Rel-17 CR Configurable Parameters Configuration - Option 2 | Samsung Electronics Benelux BV | not pursued |  |  |
| S5-204365 | Rel-16 CR 28.532 Correct definition of ThresholdLevelInd (REST SS) | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-204366 | Rel-15 CR 32.290 Correction on Converged Charging and Requested Unit handling | Matrixx | not pursued |  |  |
| S5-204367 | Rel-16 CR 28.532 Add missing object creation variant with HTTP POST (REST SS) | Nokia, Nokia Shanghai Bell | revised |  | S5-204648 |
| S5-204368 | Rel-16 CR 28.532 Add missing object creation variant with HTTP POST (OpenAPI definitions) | Nokia, Nokia Shanghai Bell | revised |  | S5-204649 |
| S5-204369 | Rel-17 CR Configurable Parameters Configuration - Option 1 - Stage 3 - XML | Samsung Electronics Benelux BV | not pursued |  |  |
| S5-204370 | Rel-16 CR 32.290 Correction on Converged Charging and Requested Unit handling | Matrixx | revised |  | S5-204639 |
| S5-204371 | Rel-15 CR 32.291 Correction on Converged Charging and Requested Unit handling | Matrixx | revised |  | S5-204631 |
| S5-204372 | On RACH optimization granularity for NR | Ericsson France S.A.S | revised |  | S5-204434 |
| S5-204373 | Rel-17 CR Configurable Parameters Configuration - Option 1 - Stage 3 - YAML | Samsung Electronics Benelux BV | not pursued |  |  |
| S5-204374 | Rel-16 CR 32.291 Correction on Converged Charging and Requested Unit handling | Matrixx | revised |  | S5-204632 |
| S5-204375 | Rel-17 CR Configurable Parameters Configuration - Option 2 - Stage 3 - XML | Samsung Electronics Benelux BV | not pursued |  |  |
| S5-204376 | Rel-17 CR TS 28.552 Add MCS distribution measurement of MU-MIMO | China Telecom Corporation Ltd., ZTE | revised |  | S5-204487 |
| S5-204377 | pCR Rel 17 Add description for analytics report | Lenovo, Motorola Mobility | revised |  | S5-204568 |
| S5-204378 | Rel-17 CR Configurable Parameters Configuration - Option 2 - Stage 3 - YAML | Samsung Electronics Benelux BV | not pursued |  |  |
| S5-204379 | Rel-17 CR GST Translation and Configuration | Samsung Electronics Benelux BV | not pursued |  |  |
| S5-204380 | Update of inter-gNB beam handover use case solution in subclause 6.5.2 | Nokia Germany | revised |  | S5-204562 |
| S5-204381 | Rel-17 CR Deleting SupportedAccessTech | Samsung Electronics Benelux BV | withdrawn |  |  |
| S5-204382 | Rel-16 CR 28.552 Add measurements for RACH optimization management for NR | Ericsson France S.A.S | revised |  | S5-204435 |
| S5-204383 | Rel-16 CR Deleting SupportedAccessTech | Samsung Electronics Benelux BV | merged |  | S5-204473 |
| S5-204384 | Rel-17 CR Deleting SupportedAccessTech | Samsung Electronics Benelux BV | not pursued |  |  |
| S5-204385 | Update of SON conflict prevention and resolution use case in subclause 6.9.1 | Nokia Germany | revised |  | S5-204559 |
| S5-204386 | CR Rel-16 Deleting SupportedAccessTech - Stage 3 - XML | Samsung Electronics Benelux BV | agreed |  |  |
| S5-204387 | CR Rel-16 Deleting SupportedAccessTech - Stage 3 - YAML | Samsung Electronics Benelux BV | merged |  | S5-204473 |
| S5-204388 | CR Rel-17 Deleting SupportedAccessTech - Stage 3 - XML | Samsung Electronics Benelux BV | not pursued |  |  |
| S5-204389 | CR Rel-17 Deleting SupportedAccessTech - Stage 3 - YAML | Samsung Electronics Benelux BV | not pursued |  |  |
| S5-204390 | pCR Rel-17 UC on MDAS assisted GST configuration | Samsung Electronics Benelux BV | withdrawn |  |  |
| S5-204391 | MDAS assisted network slice traffic projections | Samsung Electronics Benelux BV | revised |  | S5-204581 |
| S5-204392 | Rel-17 CR Additional KPI Definition for Max Subscriber and PDU Session | Samsung Electronics Benelux BV | revised |  | S5-204494 |
| S5-204393 | Rel-17 draftCR 28.536 Update text and figure in clause 4.1.1 | Ericsson LM, Deutsche Telekom | noted |  |  |
| S5-204394 | Addition of attribute for network slice supporting maximum of data volumn | China Mobile Com. Corporation | revised |  | S5-204653 |
| S5-204395 | Addition of attribute for network slice supporting maximum number of PDU sessions | China Mobile Com. Corporation | not pursued |  |  |
| S5-204396 | Addition of RSRQ measurement | China Mobile Com. Corporation | revised |  | S5-204488 |
| S5-204397 | Addition of SINR measurement | China Mobile Com. Corporation | revised |  | S5-204489 |
| S5-204398 | SINR measurement is useful to troubleshoot weak coverage or low access rate for each cell. | China Mobile Com. Corporation | merged |  | S5-204482 |
| S5-204399 | Update of KPI anomaly analysis use case and solution in subclause 6.3.6 | Nokia Germany | revised |  | S5-204567 |
| S5-204400 | Rel-15 CR 28.531 Resolve inconsistency in the allocate procedures | Ericsson LM | agreed |  |  |
| S5-204401 | Update of Handover use case and solution considering user-trajectory info in subclause 6.5 | Nokia Germany | revised |  | S5-204564 |
| S5-204402 | Rel-16 CR 28.531 Resolve inconsistency in the allocate procedures | Ericsson LM | agreed |  |  |
| S5-204403 | Update of Handover use case solution in subclause 6.5.1 | Nokia Germany | revised |  | S5-204563 |
| S5-204404 | Add support for new administration messages when streaming trace data | Oy LM Ericsson AB | agreed |  |  |
| S5-204405 | New WID for access control of management service | Nokia, Nokia Shanghai Bell | revised |  | S5-204517 |
| S5-204406 | New SID for security management of network slice | Nokia, Nokia Shanghai Bell | revised |  | S5-204546 |
| S5-204407 | LS to SA3 for new WID for access control of management service | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-204408 | LS to SA3 for new SID for security management of network slice | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-204409 | add relation between transport and application level endpoints stage 2 | Nokia, Nokia Shanghai Bell | revised |  | S5-204534 |
| S5-204410 | Add relation between transport and application level endpoints stage 3 | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-204411 | 3GPP Forge process | Nokia, Nokia Shanghai Bell | revised |  | S5-204449 |
| S5-204412 | Cleanup stage 2 editorial issue and stage 3 yaml error | Nokia, Nokia Shanghai Bell | revised |  | S5-204445 |
| S5-204413 | Fix general information of network slice related identifiers | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-204414 | Rel-16 CR 28.535 Add abbreviations to clause 3.3 | Ericsson LM | agreed |  |  |
| S5-204415 | Add support in band notification of error conditions when streaming trace data | Oy LM Ericsson AB | agreed |  |  |
| S5-204416 | Rel-16 CR 28.535 Correction of requirements text in clause 5.1.1 | Ericsson LM | agreed |  |  |
| S5-204417 | Rel-16 CR 28.535 Remove Editors Notes from clause 5.1.2 | Ericsson LM | agreed |  |  |
| S5-204418 | Rel-16 CR 28.536 Add abbreviations to clause 3.3 | Ericsson LM, Deutsche Telekom | agreed |  |  |
| S5-204419 | Rel-16 CR 28.536 Add references to clause 4.1.2.3 | Ericsson LM | agreed |  |  |
| S5-204420 | Rel-16 CR 28.536 Correct title and add references in clause 4.1.1 | Ericsson LM, Deutsche Telekom | agreed |  |  |
| S5-204421 | Rel-16 CR 28.536 Remove Editors Note in clause 4.1.1 | Ericsson LM | agreed |  |  |
| S5-204422 | Rel-16 CR 28.536 Replace Editors Note in clause Annex A.5 with a Note | Ericsson LM, Deutsche Telekom | agreed |  |  |
| S5-204423 | Rel-16 CR 28.541 Add clarifying note to ServiceProfile | Ericsson LM | revised |  | S5-204545 |
| S5-204424 | Rel-16 Missing Quota Management Indicator data type | Amdocs Software Systems Ltd | merged |  | S5-204624 |
| S5-204425 | discussion on EE KPI in case of NG-RAN sharing | China Telecomunication Corp. | revised |  | S5-204511 |
| S5-204426 | pCR TR 28.809 Further clarifications relating to network resource allocation | NEC Europe Ltd | revised |  | S5-204566 |
| S5-204427 | Rel-16 CR 32.422 Add missing 5G RCEF report collection | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-204428 | Rel-16 CR 32.422 Add missing reports of RRC resume procedure failure | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-204429 | Rel-17 CR TS 28.541 Add openAPI definition NR NRM support RAN sharing scenario(stage3) | Huawei, China Telecom | withdrawn |  |  |
| S5-204430 | Rel-16 CR 32.422 Add missing 5G RLF report collection | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-204431 | Agenda | WG Chair | approved | S5-204000 |  |
| S5-204432 | LS to SA5 on Completion of WT-456 and WT-470 | BBF | noted |  |  |
| S5-204433 | SA5 meeting calendar | WG Chair | noted |  |  |
| S5-204434 | On RACH optimization granularity for NR | Ericsson France S.A.S | endorsed | S5-204372 |  |
| S5-204435 | Rel-16 CR 28.552 Add measurements for RACH optimization management for NR | Ericsson France S.A.S | revised | S5-204382 | S5-204655 |
| S5-204436 | Update the URI strcuture definition | Huawei,Nokia | revised | - | S5-204529 |
| S5-204437 | Remove unintended normative statement from informative clause | Nokia, Nokia Shanghai Bell | agreed | - | - |
| S5-204438 | LS to SA5 on introduction of TM FORUM Autonomous Network Project and Coordination Proposal | TMF | replied to | - | - |
| S5-204439 | Reply LS to 5G ACIA on 5G capabilities exposure for factories of the future | Orange | noted | - | - |
| S5-204440 | Reply to: Liaison to 3GPP SA2/SA5 on mapping between ENI architecture and NWDAF/MDAF | Ericsson | approved | - | - |
| S5-204441 | draft TS 28.555 v000 | China Mobile | approved | - | - |
| S5-204442 | Initial draft TS 28.556 v000 | China Mobile | approved | - | - |
| S5-204443 | LS to SA2 on dynamic 5Qis | Intel | approved | - | - |
| S5-204444 | Revised WID on Discovery of management services in 5G | Huawei | revised | - | S5-204652 |
| S5-204445 | Cleanup stage 2 editorial issue and stage 3 yaml error | Nokia, Nokia Shanghai Bell | agreed | S5-204412 | - |
| S5-204446 | LS to SA2 on dynamic 5Qis | Intel | withdrawn | - | - |
| S5-204447 | Rel-16 CR 28.541 Add IOC for predefined PCC rule - stage 2 | Intel Corporation (UK) Ltd | agreed | S5-204177 | - |
| S5-204448 | Rel-16 CR 28.541 Add IOC for predefined PCC rule - stage 3 | Intel Corporation (UK) Ltd | revised | S5-204178 | S5-204663 |
| S5-204449 | 3GPP Forge process | Nokia, Nokia Shanghai Bell | endorsed | S5-204411 | - |
| S5-204450 | pCR TS 28.313 Corrections of Management service description | Huawei | approved | S5-204262 | - |
| S5-204451 | pCR 28.313 add references for MRO measurements | Intel Corporation (UK) Ltd | approved | S5-204111 | - |
| S5-204452 | pCR TS 28.313 Corrections of D-SON procedure | Huawei | approved | S5-204263 | - |
| S5-204453 | pCR 28.555 add business level requirements | China Mobile Com. Corporation | approved | S5-204079 | - |
| S5-204454 | pCR 28.555 add high level usecases | China Mobile Com. Corporation | approved | S5-204080 | - |
| S5-204455 | pCR 28.555 add skeleton | China Mobile Com. Corporation | approved | S5-204075 | - |
| S5-204456 | pCR 28.555 add introduction | China Mobile Com. Corporation | approved | S5-204076 | - |
| S5-204457 | pCR 28.555 add scope | China Mobile Com. Corporation | approved | S5-204077 | - |
| S5-204458 | pCR 28.555 add Concepts and background | China Mobile Com. Corporation | approved | S5-204078 | - |
| S5-204459 | Revised WID on Intent driven management service for mobile networks | Huawei | withdrawn | - | - |
| S5-204460 | pCR 28.312 Add scope | Huawei | approved | S5-204296 | - |
| S5-204461 | pCR 28.312 Add skeleton | Huawei | approved | S5-204297 | - |
| S5-204462 | pCR 28.312 Add concept and background | Huawei | approved | S5-204298 | - |
| S5-204463 | pCR 28.557 Roles related to NPN management | TELEFONICA S.A. | approved | S5-204132 | - |
| S5-204464 | pCR 28.557 Add concept of NPN | Huawei | approved | S5-204275 | - |
| S5-204465 | pCR 28.557 Structuring content on concepts and overview of NPN management | TELEFONICA S.A. | approved | S5-204156 | - |
| S5-204466 | pCR 28.557 Proposed section titles from rapporteur | Huawei | approved | S5-204271 | - |
| S5-204467 | pCR 28.557 Add introduction of TS | Huawei | approved | S5-204273 | - |
| S5-204468 | pCR 28.557 Add scope of TS | Huawei | approved | S5-204274 | - |
| S5-204469 | pCR 28.557 Management of stand-alone non-public networks | Huawei | approved | S5-204276 | - |
| S5-204470 | (reserved) | OAM | withdrawn | - | - |
| S5-204471 | Update control loop deployed in different layers with SLA decomposition | China Mobile Com. Corporation | agreed | S5-204292 | - |
| S5-204472 | Rel-17 CR 28.541 Update maxNumberofConns | Huawei | agreed | S5-204277 | - |
| S5-204473 | Rel-16 CR 28.541 Delete reliability and supportAccessTech to align with GST | Huawei,Samsung | agreed | S5-204267 | - |
| S5-204474 | Reply LS on limitation of Propagation of immediate MDT configuration in case of Xn inter-RAT HO | Oy LM Ericsson AB | approved | S5-204324 | - |
| S5-204475 | Rel-16 CR Deleting Round-trip packet delay between PSA UPF and UE | Samsung | agreed | - | - |
| S5-204476 | Reply to: Ls from GSMA to SA5 on NG.116 support of different access types | Huawei | approved | - | - |
| S5-204477 | Revised WID SON\_5G | Intel | agreed | - | - |
| S5-204478 | Presentation sheet for approval of TS 28.309 | Ericsson | approved | - | - |
| S5-204479 | Presentation sheet for TS 28.313 for information and approval | Intel | approved | - | - |
| S5-204480 | 3GPP SA5 Forge repository structure | Huawei | endorsed | - | - |
| S5-204481 | CR TS 28.541 Add the MLB support indicator in NRcellrelation | Huawei | agreed | S5-204261 | - |
| S5-204482 | Rel-16 CR Fixing KPIs | Samsung Electronics Benelux BV,China Mobile Com. Corporation | agreed | S5-204123 | - |
| S5-204483 | R17 CR TS28.552 ADD EPS fallback handover related Measurement | ZTE Corporation | agreed | S5-204206 | - |
| S5-204484 | R17 CR TS28.552 ADD EPS fallback redirection related Measurement | ZTE Corporation | agreed | S5-204259 | - |
| S5-204485 | R17 CR TS28.552 ADD EPS fallback handover time Measurement | ZTE Corporation | agreed | S5-204305 | - |
| S5-204486 | Rel-17 CR TS 28.552 Add measurements for RB distribution per layer of MU-MIMO | China Telecom Corporation Ltd., ZTE | agreed | S5-204346 | - |
| S5-204487 | Rel-17 CR TS 28.552 Add MCS distribution measurement of MU-MIMO | China Telecom Corporation Ltd., ZTE | agreed | S5-204376 | - |
| S5-204488 | Addition of RSRQ measurement | China Mobile Com. Corporation | agreed | S5-204396 | - |
| S5-204489 | Addition of SINR measurement | China Mobile Com. Corporation | agreed | S5-204397 | - |
| S5-204490 | Movement of “Distribution of Normally Released Call (5QI 1 QoS Flow) Duration” and “Distribution of Abnormally Released Call (5QI 1 QoS Flow) Duration” measurements to chapter 5.1.1.24. | Nokia Solutions & Networks (I) | agreed | S5-204093 | - |
| S5-204491 | Rel-17 CR TS 28.552 Add PLMN granularity for UE throughput measurements | China Telecom Corporation Ltd. | agreed | S5-204115 | - |
| S5-204492 | Rel-17 CR TS 28.552 Add RRC establishment failure measurements | China Telecom Corporation Ltd. | agreed | S5-204116 | - |
| S5-204493 | Rel-17 CR 28.552 Add incoming and outgoing GTP data packet loss TEI | Huawei | agreed | S5-204240 | - |
| S5-204494 | Rel-17 CR Additional KPI Definition for Max Subscriber and PDU Session | Samsung Electronics Benelux BV | agreed | S5-204392 | - |
| S5-204495 | pCR 28.814 skeleton | Intel Corporation (UK) Ltd | approved | S5-204104 | - |
| S5-204496 | pCR 28.814 Scope References Definitions | Samsung Electronics Benelux BV,Intel | approved | S5-204127 | - |
| S5-204497 | pCR 28.814 edge computing management concept | Intel Corporation (UK) Ltd | approved | S5-204106 | - |
| S5-204498 | pCR 28.814 Concept and Overview | Samsung Electronics Benelux BV | approved | S5-204126 | - |
| S5-204499 | pCR 28.814 use cases and requirements for EAS deployment | Intel Corporation (UK) Ltd,Samsung | approved | S5-204107 | - |
| S5-204500 | pCR 28.814 use cases and requirements for EES deployment | Intel Corporation (UK) Ltd,Samsung | approved | S5-204108 | - |
| S5-204501 | pCR 28.814 use cases and requirements for ECS deployment | Intel Corporation (UK) Ltd | approved | S5-204109 | - |
| S5-204502 | (reserved) | OAM | withdrawn | - | - |
| S5-204503 | Presentation sheet for TR 28.810 | China Mobile | approved | - | - |
| S5-204504 | Rel-16 CR TS 28.532 Clarification on Annex A.1, A.2 and A.5 | Huawei | agreed | S5-204140 | - |
| S5-204505 | pCR 28.809 Add CN related KPI anomaly analysis | Huawei | approved | S5-204250 | - |
| S5-204506 | Latest draft TR 28.809 | Intel | approved | - | - |
| S5-204507 | Latest draft TR 28.810 | China Mobile | approved | - | - |
| S5-204508 | Latest draft TS 28.100 | China Mobile | approved | - | - |
| S5-204509 | Latest draft TR 28.811 | Huawei | approved | - | - |
| S5-204510 | Latest draft TR 28.813 | Orange | approved | - | - |
| S5-204511 | discussion on EE KPI in case of NG-RAN sharing | China Telecomunication Corp. | approved | S5-204425 | - |
| S5-204512 | pCR 28.813 Key Issue - Area based energy saving | Huawei | approved | S5-204282 | - |
| S5-204513 | pCR 28.813 Key Issue – Service-oriented energy saving | Huawei | approved | S5-204281 | - |
| S5-204514 | Reply to: Ls to SA5 on Publication of major ZSM specifications | current meeting | approved | - | - |
| S5-204515 | 3GPP SA5 Forge repository structure | Huawei | withdrawn | - | - |
| S5-204516 | LS reply to LS on M.resm-AI Requirements for energy saving management of 5G RAN system with AI | Orange | approved | S5-204070 | - |
| S5-204517 | New WID for access control of management service | Nokia, Nokia Shanghai Bell | agreed | S5-204405 | - |
| S5-204518 | Discussion on the relation between Rel-17 autonomous related work | Huawei Technologies (Korea) | endorsed | S5-204265 | - |
| S5-204519 | New SID on YANG PUSH notifications | Ericsson | agreed | S5-204360 | - |
| S5-204520 | Clean-up definitions and references | Oy LM Ericsson AB | agreed | S5-204094 | - |
| S5-204521 | Clean-up definitions and references | Oy LM Ericsson AB | agreed | S5-204095 | - |
| S5-204522 | Clean-up definitions and references | Oy LM Ericsson AB | agreed | S5-204096 | - |
| S5-204523 | Clean-up definitions and references | Oy LM Ericsson AB | agreed | S5-204097 | - |
| S5-204524 | Clean-up definitions and references | Oy LM Ericsson AB | agreed | S5-204098 | - |
| S5-204525 | Clean-up definitions and references | Oy LM Ericsson AB | agreed | S5-204099 | - |
| S5-204526 | Rel-16 CR TS 28.530 Replacement of MF and managed function terms with network function | NEC Europe Ltd | agreed | S5-204102 | - |
| S5-204527 | Rel-16 CR TS 28.533 Add missing definition | Huawei,Lenovo | agreed | S5-204142 | - |
| S5-204528 | Rel-16 CR TS 28.545 Update description of MnS components used for configurable FM control | Huawei | agreed | S5-204136 | - |
| S5-204529 | Update the URI strcuture definition | Huawei,Nokia | agreed | S5-204436 | - |
| S5-204530 | Rel-15 CR TS 28.658 Add missing inheritance diagram for EUtranFrequency and EUtranFreqRelation | Huawei | agreed | S5-204149 | - |
| S5-204531 | Rel-16 CR TS 28.658 Add missing inheritance diagram for EUtranFrequency and EUtranFreqRelation | Huawei | agreed | S5-204150 | - |
| S5-204532 | Rel-15 CR TS 28.532 Correct the description for generic provisioning MnS | Huawei | agreed | S5-204143 | - |
| S5-204533 | Rel-16 CR TS 28.532 Correct the description for generic provisioning MnS | Huawei | agreed | S5-204144 | - |
| S5-204534 | add relation between transport and application level endpoints stage 2 | Nokia, Nokia Shanghai Bell | agreed | S5-204409 | - |
| S5-204535 | Rel-15 CR Adding AUSF and SMSF as Trace Entity | Samsung Electronics Benelux BV | agreed | S5-204118 | - |
| S5-204536 | Rel-16 CR Adding AUSF and SMSF as Trace Entity | Samsung Electronics Benelux BV | agreed | S5-204119 | - |
| S5-204537 | Reply to: Resubmitted LS ccSA5 on QoS Monitoring for URLLC | Intel | approved | - | - |
| S5-204538 | Rel-16 CR TS 28.552 Addition of AM policy association update notify measurements for PCF | China Mobile Com. Corporation, ZTE | agreed | S5-204200 | - |
| S5-204539 | Rel-16 CR TS 28.552 Addition of SM policy association update measurements for PCF | China Mobile Com. Corporation, ZTE | agreed | S5-204201 | - |
| S5-204540 | Rel-16 CR TS 28.552 Update the description of RRC connection re-establishment related measurementss | ZTE Corporation | agreed | S5-204204 | - |
| S5-204541 | R16 CR TS28.552 Modify MCS related Measurements | ZTE Corporation | agreed | S5-204205 | - |
| S5-204542 | LS reply to RAN2 on user consent for trace reporting | HuaWei Technologies Co., Ltd | approved | S5-204303 | - |
| S5-204543 | Rel-16 CR TS 28.530 corrections | NEC Europe Ltd | agreed | S5-204193 | - |
| S5-204544 | Rel-16 28.541 CR Add missing definitions for perfReq | Huawei | agreed | S5-204243 | - |
| S5-204545 | Rel-16 CR 28.541 Add clarifying note to ServiceProfile | Ericsson LM | agreed | S5-204423 | - |
| S5-204546 | New SID on network slice management enhancement to include security aspects | Nokia, Nokia Shanghai Bell | agreed | S5-204406 | - |
| S5-204547 | Rel-16 CR TS 28.531 Editorial corrections to remove redundant text from use cases | NEC Europe Ltd | agreed | S5-204192 | - |
| S5-204548 | Discussion on LS reply from SA2 on QoS monitoring for URLLC | Intel Corporation (UK) Ltd | endorsed | S5-204188 | - |
| S5-204549 | Rel-16 CR 28.622 Correct HeartbeatControl definition and some other smaller issues (stage 2) | Nokia, Nokia Shanghai Bell | agreed | S5-204362 | - |
| S5-204550 | Reply to: LS to SA5 on introduction of TM FORUM Autonomous Network Project and Coordination Proposal | Ericsson | approved | - | - |
| S5-204551 | 3GPP SA5 introduction on Autonomous Network  - Introduction material for autonomous network joint workshop with TMF and other SDOs | SA5 Chair, SA5 vice-chair(Huawei) | endorsed | - | - |
| S5-204552 | Rel-16 CR 28.623 Correct HeartbeatControl definition and some other smaller issues (stage 3) | Ericsson | agreed | - | - |
| S5-204553 | Correction of reference list and adding references throughout the document | Ericsson LM | agreed | S5-204325 | - |
| S5-204554 | Discussion paper on 5GC EE KPI | China Telecom | endorsed | - | - |
| S5-204555 | pCR 28.100 Add skeleton | China Mobile, Huawei | approved | S5-204085 | - |
| S5-204556 | pCR 28.810 Add Conclusion and Recommendation | China Mobile, Huawei | approved | S5-204089 | - |
| S5-204557 | pCR 28.810 Update workflow | Huawei,China Mobile | approved | S5-204299 | - |
| S5-204558 | pCR 28.810 Add potential requirements for coverage optimization use case | Huawei,China Mobile | approved | S5-204301 | - |
| S5-204559 | Update of SON conflict prevention and resolution use case in subclause 6.9.1 | Nokia Germany,Intel | approved | S5-204385 | - |
| S5-204560 | pCR 28.809 Add load balancing optimization use case | China Mobile Com. Corporation | approved | S5-204340 | - |
| S5-204561 | pCR 28.809 Add use case and potential requirements of mobility performance analysis | Huawei | approved | S5-204309 | - |
| S5-204562 | Update of inter-gNB beam handover use case solution in subclause 6.5.2 | Nokia Germany | approved | S5-204380 | - |
| S5-204563 | Update of Handover use case solution in subclause 6.5.1 | Nokia Germany | approved | S5-204403 | - |
| S5-204564 | Update of Handover use case and solution considering user-trajectory info in subclause 6.5 | Nokia Germany | approved | S5-204401 | - |
| S5-204565 | pCR 28.809 Update use case and potential solutions of resource utilization analysis | Huawei | approved | S5-204310 | - |
| S5-204566 | pCR TR 28.809 Further clarifications relating to network resource allocation | NEC Europe Ltd | approved | S5-204426 | - |
| S5-204567 | Update of KPI anomaly analysis use case and solution in subclause 6.3.6 | Nokia Germany | approved | S5-204399 | - |
| S5-204568 | pCR Rel 17 Add description for analytics report | Lenovo, Motorola Mobility | approved | S5-204377 | - |
| S5-204569 | pCR 28.809 Add Subscription to Management Data Analytics Reports | Huawei | approved | S5-204248 | - |
| S5-204570 | pCR 28.809 Add missing abbreviations | Huawei | approved | S5-204255 | - |
| S5-204571 | pCR 28.809 Use case and potential solutions of fault prediction analysis | ZTE Corporation | approved | S5-204199 | - |
| S5-204572 | pCR 28.809 updating E2E latency analysis use case | Huawei | approved | S5-204252 | - |
| S5-204573 | pCR 28.809 updating network slice throughput analysis use case | Huawei | approved | S5-204253 | - |
| S5-204574 | pCR 28.809 Update use case and potential requirements of network slice load analysis | Huawei | approved | S5-204308 | - |
| S5-204575 | pCR 28.809 Solution for Paging Optimization | Samsung Electronics Benelux BV | approved | S5-204120 | - |
| S5-204576 | pCR 28.809 solution for RAN Node software upgrade | Samsung Electronics Benelux BV | approved | S5-204121 | - |
| S5-204577 | pCR 28.809 MDAS Analysis confidence levels | Huawei | approved | S5-204245 | - |
| S5-204578 | pCR 28.809 Add overview of MDA functionality | Huawei | approved | S5-204246 | - |
| S5-204579 | pCR 28.809 Add the potential requirements and solutions for service experience related analysis | Huawei | approved | S5-204311 | - |
| S5-204580 | Security riak assessment analytics use case | Nokia Germany | approved | S5-204353 | - |
| S5-204581 | MDAS assisted network slice traffic projections | Samsung Electronics Benelux BV | approved | S5-204391 | - |
| S5-204582 | pCR 28.811 Add concepts | Huawei | approved | S5-204257 | - |
| S5-204583 | pCR 28.811 Add scope | Huawei | approved | S5-204258 | - |
| S5-204584 | pCR TR 28.813 Key Issue: 5GC EE KPI – Potential solution #1 enhancement | Orange, AT&T, Deutsche Telekom | approved | S5-204067 | - |
| S5-204585 | Rel-16 CR 28.622 Correct ThresholdMonitor definition (stage 2) | Nokia, Nokia Shanghai Bell | agreed | S5-204342 | - |
| S5-204586 | pCR TR 28.813 Key Issue: Network data analysis assisted ES - Possible OA&M centric solution | Orange, Intel, NEC, Nokia, AT&T, Deutsche Telekom,Huawei | approved | S5-204065 | - |
| S5-204587 | Add potential solutions for the MDA assisted energy saving analysis | China Telecom Corporation Ltd. | approved | S5-204101 | - |
| S5-204588 | pCR TR 28.813 Key Issue: EE KPI for network slice types | Orange, AT&T, Deutsche Telekom | approved | S5-204068 | - |
| S5-204589 | Rel-16 CR TS 32.291 Add ePDG as serving node | Huawei | agreed | - | - |
| S5-204590 | Rel-16 CR TS 32.298 Add ePDG as serving node | Huawei | agreed | - | - |
| S5-204591 | New SID Study on charging aspects of Proximity-based Services in 5GC | CATT | agreed | S5-204306 |  |
| S5-204592 | New WID on N40 Interface Enhancements to Support GERAN and UTRAN | China Mobile Com. Corporation | agreed | S5-204337 |  |
| S5-204593 | LSout on New function for Network Slice PA and Management Charging | Huawei | approved | S5-204214 |  |
| S5-204594 | Rel16 pCR 28.201 Update the Bns | Huawei | approved | S5-204215 |  |
| S5-204595 | Rel16 pCR 28.201 Update the CHF selection based on NRF | Huawei | approved | S5-204216 |  |
| S5-204596 | Rel16 pCR 28.201 Update the clause 3 for new charging function | Huawei | approved | S5-204217 |  |
| S5-204597 | Rel16 pCR 28.201 Update the new charging function name | Huawei | approved | S5-204218 |  |
| S5-204598 | Rel16 pCR 28.201 Update the referenced figure and remove the editor's notes in clause 4 | Huawei | approved | S5-204220 |  |
| S5-204599 | Rel16 pCR 28.201 Update the the PA charging information in clause 5.1.3 | Huawei | approved | S5-204221 |  |
| S5-204600 | Rel-16 CR 32.298 Add the NS performance and analytics charging parameter | Huawei | agreed | S5-204222 |  |
| S5-204601 | Rel-16 pCR 28.202 Change name of CSIF to CEF | Matrixx | approved | S5-204071 |  |
| S5-204602 | Rel-16 CR 32.291 Add the NSPA charging attribute for convergedchargingservice | Huawei | agreed | S5-204223 |  |
| S5-204603 | Draft TS 28.201 | Huawei | approved |  |  |
| S5-204604 | Presentation to TSG of TS 28.201 for Approval | Huawei | approved |  |  |
| S5-204605 | Rel16 pCR 28.202 Update the CHF selection based on NRF | Huawei | approved | S5-204225 |  |
| S5-204606 | Rel-16 CR 32.290 Add the attributes for CHFQM | Huawei | agreed | S5-204212 |  |
| S5-204607 | New WID on charging enhancement for URLLC | Huawei | agreed | S5-204226 |  |
| S5-204608 | Rel-16 CR 32.291 Update OpenAPI version | Huawei | agreed |  |  |
| S5-204609 | Rel-16 pCR 28.201 Update Charging Architecture | Nokia, Nokia Shanghai Bell | approved | S5-204058 |  |
| S5-204610 | Rel-16 pCR 28.202 Update Charging Architecture | Nokia, Nokia Shanghai Bell | approved | S5-204057 |  |
| S5-204611 | Rel-16 pCR 28.202 Solve Editor's note on Subscriber identifier | Nokia, Nokia Shanghai Bell | approved | S5-204054 |  |
| S5-204612 | Rel-16 pCR 28.202 Complete charging information | Nokia, Nokia Shanghai Bell | approved | S5-204059 |  |
| S5-204613 | draft TS 28.202 | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-204614 | Presentation to TSG of TS 28.202 for Approval | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-204615 | Rel-16 CR 32.255 Charging Id Handling 5GC interworking with EPC | Nokia, Nokia Shanghai Bell | agreed | S5-204044 |  |
| S5-204616 | Rel-16 CR 32.255 Clarify Charging information 5GC interworking with EPC | Nokia, Nokia Shanghai Bell | agreed | S5-204045 |  |
| S5-204617 | Rel-16 CR 32.291 Clarify Charging information 5GC interworking with EPC | Nokia, Nokia Shanghai Bell | agreed | S5-204046 |  |
| S5-204618 | Rel-16 CR 32.291 Authorization of CHF services access by OAuth 2.0 | Nokia, Nokia Shanghai Bell | agreed | S5-204048 |  |
| S5-204619 | Rel-16 CR 32.291 Introduction of ATSSS | Nokia, Nokia Shanghai Bell | agreed | S5-204051 |  |
| S5-204620 | Rel-16 CR 32.298 Introduction of ATSSS | Nokia, Nokia Shanghai Bell | agreed | S5-204052 |  |
| S5-204621 | Rel-16 CR 32.255 Correction of missing AF Charging Id in string format | Ericsson | agreed | S5-204163 |  |
| S5-204622 | Rel-16 CR 32.291 Correction of missing AF Charging Id in string format | Ericsson | agreed | S5-204164 |  |
| S5-204623 | Rel-16 CR 32.298 Correction of missing AF Charging Id in string format | Ericsson | agreed | S5-204165 |  |
| S5-204624 | Rel-16 CR 32.291 Missing suspend of quota management | Ericsson | agreed | S5-204172 |  |
| S5-204625 | Rel-16 CR 32.298 Missing suspend of quota management | Ericsson | agreed | S5-204173 |  |
| S5-204626 | Rel-16 pCR 28.201 Adding use of multiple unit usage | Ericsson | approved | S5-204174 |  |
| S5-204627 | Rel-16 pCR 28.202 Adding trigger for CPF | Ericsson | approved | S5-204175 |  |
| S5-204628 | Rel-16 pCR 28.202 Adding charging information | Ericsson | approved | S5-204176 |  |
| S5-204629 | Rel-16 CR TS 32.255 Add ePDG as serving node | Huawei | agreed | S5-204228 |  |
| S5-204630 | Rel-16 CR TS 32.255 Add EPC&ePDG interworking procedures | Huawei | agreed | S5-204227 |  |
| S5-204631 | Rel-15 CR 32.291 Correction on Converged Charging and Requested Unit handling | Matrixx | agreed | S5-204371 |  |
| S5-204632 | Rel-16 CR 32.291 Correction on Converged Charging and Requested Unit handling | Matrixx | agreed | S5-204374 |  |
| S5-204633 | Rel-16 CR TS 32.298 Add 5WWC RAT types | Huawei | revised | S5-204231 | S5-204646 |
| S5-204634 | Rel-16 CR TS 32.291 Add timeLimit and eventLimit | Huawei | agreed | S5-204232 |  |
| S5-204635 | Rel-16 CR TS 32.291 Update cardinality for event time stamps | Huawei | agreed | S5-204233 |  |
| S5-204636 | Rel-16 CR 32.255 Correct architecture figures and description | Huawei | agreed | S5-204235 |  |
| S5-204637 | Rel-16 CR 32.255 Add PDU address for IPv6 multi-homing | Huawei | agreed | S5-204237 |  |
| S5-204638 | Rel-16 CR TS 32.255 Align 5WWC RAT types | Huawei | agreed | S5-204230 |  |
| S5-204639 | Rel-16 CR 32.290 Correction on Converged Charging and Requested Unit handling | Matrixx | agreed | S5-204370 |  |
| S5-204640 | Rel-16 CR 32.291 Introduction of NSM charging information | Nokia, Nokia Shanghai Bell | agreed | S5-204063 |  |
| S5-204641 | Rel-16 CR 32.298 Introduction of NSM charging information | Nokia, Nokia Shanghai Bell | agreed | S5-204064 |  |
| S5-204642 | Rel-15 CR 32.291 Update OpenAPI version | Huawei | agreed |  |  |
| S5-204643 | CH agenda and time plan | WG Vice Chair (Nokia) | noted | S5-204008 | - |
| S5-204644 | pCR Add skeleton of draft TR 28.815 | Intel Corporation (UK) Ltd | approved | S5-204186 | - |
| S5-204645 | Draft TR 28.815 | Intel | approved | - | - |
| S5-204646 | Rel-16 CR TS 32.298 Add 5WWC RAT types | Huawei | agreed | S5-204633 | - |
| S5-204647 | Reply to: Ls to SA5 on methodology harmonization and REST-based network management framework (reply to 3GPP TSG SA5-S5-197541) | Ericsson | approved | - | - |
| S5-204648 | Rel-16 CR 28.532 Add missing object creation variant with HTTP POST (REST SS) | Nokia, Nokia Shanghai Bell | not pursued | S5-204367 | - |
| S5-204649 | Rel-16 CR 28.532 Add missing object creation variant with HTTP POST (OpenAPI definitions) | Nokia, Nokia Shanghai Bell | not pursued | S5-204368 | - |
| S5-204650 | Rel-16 CR 28.623 Correct ThresholdMonitor definition (OpenAPI definitions) | Nokia, Nokia Shanghai Bell | agreed | S5-204343 | - |
| S5-204651 | Rel-16 CR 28.623 Correct ThresholdMonitor definition (YANG) | Ericsson | agreed | - | - |
| S5-204652 | Revised WID on Discovery of management services in 5G | Huawei | agreed | S5-204444 | - |
| S5-204653 | Addition of attribute for network slice supporting maximum of data volumn | China Mobile Com. Corporation | agreed | S5-204394 | - |
| S5-204654 | Rel-16 CR TS 28.541 Correction on NR NRM | Huawei | agreed | S5-204145 | - |
| S5-204655 | Rel-16 CR 28.552 Add measurements for RACH optimization management for NR | Ericsson France S.A.S | agreed | S5-204435 | - |
| S5-204656 | Latest draft TS 28.313 | Intel | approved | - | - |
| S5-204657 | New SID on charging aspects for 5GS CIOT | Huawei | agreed | S5-204239 | - |
| S5-204658 | Latest draft TS 28.555 | China Mobile | approved | - | - |
| S5-204659 | Presentation sheet for TS 28.555 for information and approval | China Mobile | approved | - | - |
| S5-204660 | Draft TS 28.312 | Huawei | approved | - | - |
| S5-204661 | Draft TR 28.808 | TNO | approved | - | - |
| S5-204662 | Draft TR 28.814 | Intel | approved | - | - |
| S5-204663 | Rel-16 CR 28.541 Add IOC for predefined PCC rule - stage 3 | Intel Corporation (UK) Ltd | agreed | S5-204448 | - |
| S5-204664 | OAM&P SWG action list | WG Vice Chair | noted | S5-204004 | - |
| S5-204665 | Rel-16 CR TS 28.541 add TCE mapping info in GNBCUCPFunction | Huawei | agreed | S5-204194 | - |
| S5-204666 | Rel-16 CR TS 28.541 add TCE mapping info in openAPI solution | Huawei | agreed | S5-204195 | - |
| S5-204667 | Draft TS 28.557 | Huawei | approved | - | - |
| S5-204668 | Correction of reference list and adding references throughout the document | Ericsson LM | agreed | S5-204327 | - |
| S5-204669 | Reply to: Ls to SA5 on Support for Streaming Based MDT and Trace report | Ericsson | approved | S5-204319 | - |
| S5-204670 | Draft TS 28.309 | Ericsson | approved | - | - |

### A2: Tdoc decision timing

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| --- | --- | --- |
| Document | Date/time UTC | Decision |
| S5-204001 | 01/09/2020 14:30:09 | approved |
| S5-204002 | 01/09/2020 14:30:13 | noted |
| S5-204004 | 31/08/2020 06:39:31 | revised |
| S5-204005 | 31/08/2020 15:11:59 | noted |
| S5-204007 | 07/09/2020 08:33:45 | noted |
| S5-204008 | 27/08/2020 15:42:54 | revised |
| S5-204009 | 07/09/2020 08:35:11 | noted |
| S5-204010 | 02/09/2020 14:40:00 | noted |
| S5-204011 | 01/09/2020 14:30:21 | noted |
| S5-204012 | 01/09/2020 14:34:43 | replied to |
| S5-204013 | 01/09/2020 14:40:18 | noted |
| S5-204014 | 01/09/2020 14:48:11 | noted |
| S5-204015 | 31/08/2020 15:12:15 | noted |
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| S5-204017 | 31/08/2020 12:46:56 | postponed |
| S5-204018 | 01/09/2020 15:08:59 | noted |
| S5-204019 | 31/08/2020 15:12:23 | noted |
| S5-204020 | 31/08/2020 15:08:17 | postponed |
| S5-204021 | 31/08/2020 15:08:21 | postponed |
| S5-204022 | 02/09/2020 12:11:25 | noted |
| S5-204023 | 01/09/2020 10:28:42 | replied to |
| S5-204024 | 31/08/2020 15:08:41 | noted |
| S5-204025 | 31/08/2020 15:08:42 | noted |
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| S5-204027 | 02/09/2020 12:11:33 | noted |
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| S5-204028 | 02/09/2020 14:41:09 | noted |
| S5-204029 | 01/09/2020 15:09:05 | noted |
| S5-204030 | 31/08/2020 15:10:13 | noted |
| S5-204031 | 31/08/2020 15:10:13 | noted |
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| S5-204318 | 01/09/2020 08:42:52 | agreed |
| S5-204319 | 02/09/2020 11:49:00 | approved |
| S5-204319 | 02/09/2020 11:52:39 | revised |
| S5-204320 | 02/09/2020 13:45:57 | noted |
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| S5-204322 | 01/09/2020 08:43:01 | agreed |
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| S5-204636 | 31/08/2020 14:55:13 | agreed |
| S5-204637 | 31/08/2020 14:56:05 | agreed |
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| S5-204639 | 31/08/2020 14:33:05 | agreed |
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| S5-204670 | 09/09/2020 08:42:03 | approved |

## Annex B: List of change requests

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| S5-204266 | Rel-16 CR 28.310 Add missing requirements traceability for energy saving use cases | Huawei | 28.310 | 0002 | - | Rel-16 | F | EE\_5G | agreed |
| S5-204114 | R-16 CR 28.522 Add measurements related to RACH optimization | Intel Corporation (UK) Ltd | 28.522 | 0004 | - | Rel-16 | B | SON\_5G | merged |
| S5-204124 | Rel-16 CR Deleting Round-trip packet delay between PSA UPF and UE | Samsung Electronics Benelux BV | 28.522 | 0005 | - | Rel-16 | F | ePM\_KPI\_5G | not pursued |
| S5-204102 | Rel-16 CR TS 28.530 Replacement of MF and managed function terms with network function | NEC Europe Ltd | 28.530 | 0028 | - | Rel-16 | F | TEI16 | revised |
| S5-204526 | Rel-16 CR TS 28.530 Replacement of MF and managed function terms with network function | NEC Europe Ltd | 28.530 | 0028 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-204193 | Rel-16 CR TS 28.530 corrections | NEC Europe Ltd | 28.530 | 0029 | - | Rel-16 | F | TEI16 | revised |
| S5-204543 | Rel-16 CR TS 28.530 corrections | NEC Europe Ltd | 28.530 | 0029 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-204192 | Rel-16 CR TS 28.531 Editorial corrections to remove redundant text from use cases | NEC Europe Ltd | 28.531 | 0053 | - | Rel-16 | F | TEI16 | revised |
| S5-204547 | Rel-16 CR TS 28.531 Editorial corrections to remove redundant text from use cases | NEC Europe Ltd | 28.531 | 0053 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-204269 | Rel-16 CR 28.531 Correction on network slice related identifiers | Huawei | 28.531 | 0054 | - | Rel-16 | F | TEI16 | not pursued |
| S5-204400 | Rel-15 CR 28.531 Resolve inconsistency in the allocate procedures | Ericsson LM | 28.531 | 0055 | - | Rel-15 | F | NETSLICE-PRO\_NS | agreed |
| S5-204402 | Rel-16 CR 28.531 Resolve inconsistency in the allocate procedures | Ericsson LM | 28.531 | 0056 | - | Rel-16 | A | NETSLICE-PRO\_NS | agreed |
| S5-204413 | Fix general information of network slice related identifiers | Nokia, Nokia Shanghai Bell | 28.531 | 0057 | - | Rel-16 | F | TEI16 | agreed |
| S5-204137 | Rel-16 CR TS 28.532 Change stage2 definition for performance data file report MnS to generic file data report MnS | Huawei | 28.532 | 0135 | - | Rel-16 | F | 5G\_SLICE\_ePA | agreed |
| S5-204138 | Rel-16 CR TS 28.532 Change RESTFUL definition for performance data file report MnS to generic file data report MnS | Huawei | 28.532 | 0136 | - | Rel-16 | F | 5G\_SLICE\_ePA | agreed |
| S5-204139 | Rel-16 CR TS 28.532 Change openAPI definition for performance data file report MnS to generic file data report MnS | Huawei | 28.532 | 0137 | - | Rel-16 | F | TEI16 | agreed |
| S5-204140 | Rel-16 CR TS 28.532 Clarification on Annex A.1, A.2 and A.5 | Huawei | 28.532 | 0138 | - | Rel-16 | F | ONAP3GPP | revised |
| S5-204504 | Rel-16 CR TS 28.532 Clarification on Annex A.1, A.2 and A.5 | Huawei | 28.532 | 0138 | 1 | Rel-16 | F | ONAP3GPP | agreed |
| S5-204141 | Rel-16 CR TS 28.532 Update URI for streamingDataReportingMnS to aligh with URI structure defined in 32.158 | Huawei | 28.532 | 0139 | - | Rel-16 | F | OAM\_RTT | agreed |
| S5-204143 | Rel-15 CR TS 28.532 Correct the description for generic provisioning MnS | Huawei | 28.532 | 0140 | - | Rel-15 | F | NETSLICE | revised |
| S5-204532 | Rel-15 CR TS 28.532 Correct the description for generic provisioning MnS | Huawei | 28.532 | 0140 | 1 | Rel-15 | F | NETSLICE | agreed |
| S5-204144 | Rel-16 CR TS 28.532 Correct the description for generic provisioning MnS | Huawei | 28.532 | 0141 | - | Rel-16 | A | NETSLICE | revised |
| S5-204533 | Rel-16 CR TS 28.532 Correct the description for generic provisioning MnS | Huawei | 28.532 | 0141 | 1 | Rel-16 | A | NETSLICE | agreed |
| S5-204182 | Rel-15 CR 28.532 Correct and move the streaming solution from 28.550 to 28.532 | Intel Corporation (UK) Ltd | 28.532 | 0142 | - | Rel-15 | F | NETSLICE-ADPM5G | agreed |
| S5-204363 | Rel-16 CR 28.532 Correct various smaller errors (e.g. validation errors) in faultMnS.yaml (OpenAPI definitions) | Nokia, Nokia Shanghai Bell | 28.532 | 0143 | - | Rel-16 | F | REST\_SS,TEI16 | agreed |
| S5-204365 | Rel-16 CR 28.532 Correct definition of ThresholdLevelInd (REST SS) | Nokia, Nokia Shanghai Bell | 28.532 | 0144 | - | Rel-16 | F | REST\_SS,TEI16 | agreed |
| S5-204367 | Rel-16 CR 28.532 Add missing object creation variant with HTTP POST (REST SS) | Nokia, Nokia Shanghai Bell | 28.532 | 0145 | - | Rel-16 | F | REST\_SS | revised |
| S5-204648 | Rel-16 CR 28.532 Add missing object creation variant with HTTP POST (REST SS) | Nokia, Nokia Shanghai Bell | 28.532 | 0145 | 1 | Rel-16 | F | TEI15,REST\_SS | not pursued |
| S5-204368 | Rel-16 CR 28.532 Add missing object creation variant with HTTP POST (OpenAPI definitions) | Nokia, Nokia Shanghai Bell | 28.532 | 0146 | - | Rel-16 | F | TEI15,REST\_SS | revised |
| S5-204649 | Rel-16 CR 28.532 Add missing object creation variant with HTTP POST (OpenAPI definitions) | Nokia, Nokia Shanghai Bell | 28.532 | 0146 | 1 | Rel-16 | F | TEI15,REST\_SS | not pursued |
| S5-204437 | Remove unintended normative statement from informative clause | Nokia, Nokia Shanghai Bell | 28.532 | 0147 | - | Rel-16 | F | ONAP3GPP | agreed |
| S5-204142 | Rel-16 CR TS 28.533 Add missing definition | Huawei | 28.533 | 0072 | - | Rel-16 | F | TEI16 | revised |
| S5-204527 | Rel-16 CR TS 28.533 Add missing definition | Huawei,Lenovo | 28.533 | 0072 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-204288 | Add use case of network resource usage and performance prediction assisted SLS communication service Assurance | China Mobile Com. Corporation | 28.535 | 0001 | - | Rel-17 | B | eCOSLA | not pursued |
| S5-204302 | Rel-17 CR TS 28.535 Add use case and requirements for close loop execution supervision | Huawei,China Mobile | 28.535 | 0002 | - | Rel-17 | B | eCOSLA | not pursued |
| S5-204312 | Rel-17 CR TS 28.535 Update overview of management control loops | Huawei Technologies Japan K.K. | 28.535 | 0003 | - | Rel-17 | B | eCOSLA | not pursued |
| S5-204313 | Rel-17 CR TS 28.535 Management different type of control loops | Huawei Technologies Japan K.K. | 28.535 | 0004 | - | Rel-17 | B | eCOSLA | not pursued |
| S5-204314 | Rel-17 CR TS 28.535 Coordination between control loops | Huawei Technologies Japan K.K. | 28.535 | 0005 | - | Rel-17 | B | eCOSLA | not pursued |
| S5-204354 | Rel 17 CR TS28.535 Add use case and requirements for enabling pause of a control loop | Lenovo, Motorola Mobility | 28.535 | 0006 | - | Rel-17 | B | eCOSLA | not pursued |
| S5-204357 | Rel 17 CR TS28.535 Add use case for disabling actions of an assurance loop | Lenovo, Motorola Mobility | 28.535 | 0007 | - | Rel-17 | B | eCOSLA | not pursued |
| S5-204414 | Rel-16 CR 28.535 Add abbreviations to clause 3.3 | Ericsson LM | 28.535 | 0008 | - | Rel-16 | F | COSLA | agreed |
| S5-204416 | Rel-16 CR 28.535 Correction of requirements text in clause 5.1.1 | Ericsson LM | 28.535 | 0009 | - | Rel-16 | F | COSLA | agreed |
| S5-204417 | Rel-16 CR 28.535 Remove Editors Notes from clause 5.1.2 | Ericsson LM | 28.535 | 0010 | - | Rel-16 | F | COSLA | agreed |
| S5-204292 | Update control loop deployed in different layers with SLA decomposition | China Mobile Com. Corporation | 28.536 | 0001 | - | Rel-17 | F | EMA5SLA | revised |
| S5-204471 | Update control loop deployed in different layers with SLA decomposition | China Mobile Com. Corporation | 28.536 | 0001 | 1 | Rel-16 | F | MA5SLA | agreed |
| S5-204361 | Rel17 CR TS28.536 Enhance CL model to support pause points | Lenovo, Motorola Mobility | 28.536 | 0002 | - | Rel-17 | B | eCOSLA | not pursued |
| S5-204418 | Rel-16 CR 28.536 Add abbreviations to clause 3.3 | Ericsson LM, Deutsche Telekom | 28.536 | 0003 | - | Rel-16 | F | COSLA | agreed |
| S5-204419 | Rel-16 CR 28.536 Add references to clause 4.1.2.3 | Ericsson LM | 28.536 | 0004 | - | Rel-16 | F | COSLA | agreed |
| S5-204420 | Rel-16 CR 28.536 Correct title and add references in clause 4.1.1 | Ericsson LM, Deutsche Telekom | 28.536 | 0005 | - | Rel-16 | F | COSLA | agreed |
| S5-204421 | Rel-16 CR 28.536 Remove Editors Note in clause 4.1.1 | Ericsson LM | 28.536 | 0006 | - | Rel-16 | F | COSLA | agreed |
| S5-204422 | Rel-16 CR 28.536 Replace Editors Note in clause Annex A.5 with a Note | Ericsson LM, Deutsche Telekom | 28.536 | 0007 | - | Rel-16 | F | COSLA | agreed |
| S5-204152 | Rel-17 CR TS 28.540 Add requirements for NR NRM to support RAN sharing scenario | Huawei | 28.540 | 0010 | - | Rel-17 | B | adNRM | withdrawn |
| S5-204260 | Rel-17 CR TS 28.540 Add requirements for NR NRM to support RAN sharing scenario | China Telecom Corporation Ltd.,Huawei | 28.540 | 0011 | - | Rel-17 | B | adNRM | agreed |
| S5-204283 | Add requirements of SLA management | China Mobile Com. Corporation | 28.540 | 0012 | - | Rel-17 | B | EMA5SLA | not pursued |
| S5-204072 | Correction of NRM YANG errors | Ericsson Hungary Ltd | 28.541 | 0321 | - | Rel-16 | F | eNRM | agreed |
| S5-204145 | Rel-16 CR TS 28.541 Correction on NR NRM | Huawei | 28.541 | 0322 | - | Rel-16 | F | eNRM | revised |
| S5-204654 | Rel-16 CR TS 28.541 Correction on NR NRM | Huawei | 28.541 | 0322 | 1 | Rel-16 | F | eNRM | agreed |
| S5-204146 | Rel-16 CR TS 28.541 Update openAPI definition for localAddress to align with stage2 definition | Huawei | 28.541 | 0323 | - | Rel-16 | F | eNRM | agreed |
| S5-204147 | Rel-15 CR TS 28.541 Correct on frequency related IOC | Huawei | 28.541 | 0324 | - | Rel-15 | F | NETSLICE-5GNRM | agreed |
| S5-204148 | Rel-16 CR TS 28.541 Correct on frequency related IOC | Huawei | 28.541 | 0325 | - | Rel-16 | A | NETSLICE-5GNRM | agreed |
| S5-204149 | Rel-15 CR TS 28.658 Add missing inheritance diagram for EUtranFrequency and EUtranFreqRelation | Huawei | 28.541 | 0326 | - | Rel-15 | F | NETSLICE-5GNRM | revised |
| S5-204530 | Rel-15 CR TS 28.658 Add missing inheritance diagram for EUtranFrequency and EUtranFreqRelation | Huawei | 28.541 | 0326 | 1 | Rel-15 | F | NETSLICE-5GNRM | agreed |
| S5-204150 | Rel-16 CR TS 28.658 Add missing inheritance diagram for EUtranFrequency and EUtranFreqRelation | Huawei | 28.541 | 0327 | - | Rel-16 | A | NETSLICE-5GNRM | revised |
| S5-204531 | Rel-16 CR TS 28.658 Add missing inheritance diagram for EUtranFrequency and EUtranFreqRelation | Huawei | 28.541 | 0327 | 1 | Rel-16 | A | NETSLICE-5GNRM | agreed |
| S5-204153 | Rel-17 CR TS 28.541 Update NR NRM to support RAN sharing scenario | Huawei,China Telecom | 28.541 | 0328 | - | Rel-17 | B | adNRM | not pursued |
| S5-204177 | Rel-16 CR 28.541 Add IOC for predefined PCC rule - stage 2 | Intel Corporation (UK) Ltd | 28.541 | 0329 | - | Rel-16 | B | eNRM | revised |
| S5-204447 | Rel-16 CR 28.541 Add IOC for predefined PCC rule - stage 2 | Intel Corporation (UK) Ltd | 28.541 | 0329 | 1 | Rel-16 | B | eNRM | agreed |
| S5-204178 | Rel-16 CR 28.541 Add IOC for predefined PCC rule - stage 3 | Intel Corporation (UK) Ltd | 28.541 | 0330 | - | Rel-16 | B | eNRM | revised |
| S5-204448 | Rel-16 CR 28.541 Add IOC for predefined PCC rule - stage 3 | Intel Corporation (UK) Ltd | 28.541 | 0330 | 1 | Rel-16 | B | eNRM | revised |
| S5-204663 | Rel-16 CR 28.541 Add IOC for predefined PCC rule - stage 3 | Intel Corporation (UK) Ltd | 28.541 | 0330 | 2 | Rel-16 | B | eNRM | agreed |
| S5-204179 | Rel-16 CR 28.541 Enable PCF to support configurable 5QIs | Intel, CATT | 28.541 | 0331 | - | Rel-16 | B | eNRM | agreed |
| S5-204180 | Rel-16 CR 28.541 Add IOC for dynamic 5QIs - stage 2 | Intel Corporation (UK) Ltd | 28.541 | 0332 | - | Rel-16 | B | eNRM | agreed |
| S5-204181 | Rel-16 CR 28.541 Add IOC for dynamic 5QIs - stage 3 | Intel Corporation (UK) Ltd | 28.541 | 0333 | - | Rel-16 | B | eNRM | agreed |
| S5-204194 | Rel-16 CR TS 28.541 add TCE mapping info in GNBCUCPFunction | Huawei | 28.541 | 0334 | - | Rel-16 | B | eNRM | revised |
| S5-204665 | Rel-16 CR TS 28.541 add TCE mapping info in GNBCUCPFunction | Huawei | 28.541 | 0334 | 1 | Rel-16 | B | eNRM | agreed |
| S5-204195 | Rel-16 CR TS 28.541 add TCE mapping info in openAPI solution | Huawei | 28.541 | 0335 | - | Rel-16 | B | eNRM | revised |
| S5-204666 | Rel-16 CR TS 28.541 add TCE mapping info in openAPI solution | Huawei | 28.541 | 0335 | 1 | Rel-16 | B | eNRM | agreed |
| S5-204243 | Rel-16 28.541 CR Add missing definitions for perfReq | Huawei | 28.541 | 0336 | - | Rel-16 | F | eNRM | revised |
| S5-204544 | Rel-16 28.541 CR Add missing definitions for perfReq | Huawei | 28.541 | 0336 | 1 | Rel-16 | F | eNRM | agreed |
| S5-204261 | CR TS 28.541 Add the MLB support indicator in NRcellrelation | Huawei | 28.541 | 0337 | - | Rel-17 | B | eSON\_5G | revised |
| S5-204481 | CR TS 28.541 Add the MLB support indicator in NRcellrelation | Huawei | 28.541 | 0337 | 1 | Rel-17 | B | eSON\_5G | agreed |
| S5-204267 | Rel-16 CR 28.541 Delete reliability and supportAccessTech to align with GST | Huawei | 28.541 | 0338 | - | Rel-16 | F | MA5SLA | revised |
| S5-204473 | Rel-16 CR 28.541 Delete reliability and supportAccessTech to align with GST | Huawei,Samsung | 28.541 | 0338 | 1 | Rel-16 | F | MA5SLA | agreed |
| S5-204268 | Rel-16 CR 28.541 Correction on duplicated annex numbering | Huawei | 28.541 | 0339 | - | Rel-16 | F | TEI16 | agreed |
| S5-204270 | Rel-16 CR 28.541 Update on ServiceProfile and SliceProfile | Huawei | 28.541 | 0340 | - | Rel-16 | C | eNRM | not pursued |
| S5-204277 | Rel-17 CR 28.541 Update maxNumberofConns | Huawei | 28.541 | 0341 | - | Rel-17 | F | EMA5SLA | revised |
| S5-204472 | Rel-17 CR 28.541 Update maxNumberofConns | Huawei | 28.541 | 0341 | 1 | Rel-17 | F | EMA5SLA | agreed |
| S5-204278 | Rel-17 CR 28.541 Add NB-IoT support in ServiceProfile | Huawei | 28.541 | 0342 | - | Rel-17 | F | EMA5SLA | agreed |
| S5-204293 | Update sliceProfile considering different domains proposal 1 | China Mobile Com. Corporation | 28.541 | 0343 | - | Rel-17 | F | EMA5SLA | not pursued |
| S5-204294 | Update sliceProfile considering different domains proposal 2 | China Mobile Com. Corporation | 28.541 | 0344 | - | Rel-17 | F | EMA5SLA | not pursued |
| S5-204304 | Rel-16 CR 28.541 Update NRM attribute definitions | CATT | 28.541 | 0345 | - | Rel-16 | F | eNRM | agreed |
| S5-204348 | Rel-17 CR ServiceProfle to SliceProfile Translation - Option 1 | Samsung Electronics Benelux BV | 28.541 | 0346 | - | Rel-17 | C | EMA5SLA | not pursued |
| S5-204350 | Rel-17 CR ServiceProfle to SliceProfile Translation - Option 2 | Samsung Electronics Benelux BV | 28.541 | 0347 | - | Rel-17 | C | EMA5SLA | not pursued |
| S5-204351 | Rel-17 CR ServiceProfle to SliceProfile Translation - Option 1 - Stage 3 - XML | Samsung Electronics Benelux BV | 28.541 | 0348 | - | Rel-17 | C | EMA5SLA | not pursued |
| S5-204352 | Rel-17 CR ServiceProfle to SliceProfile Translation - Option 1 - Stage 3 - YAML | Samsung Electronics Benelux BV | 28.541 | 0349 | - | Rel-17 | C | EMA5SLA | not pursued |
| S5-204355 | Rel-17 CR ServiceProfle to SliceProfile Translation - Option 2 - Stage 3 - XML | Samsung Electronics Benelux BV | 28.541 | 0350 | - | Rel-17 | C | EMA5SLA | not pursued |
| S5-204356 | Rel-17 CR ServiceProfle to SliceProfile Translation - Option 2 - Stage 3 - YAML | Samsung Electronics Benelux BV | 28.541 | 0351 | - | Rel-17 | C | EMA5SLA | not pursued |
| S5-204359 | Rel-17 CR Configurable Parameters Configuration - Option 1 | Samsung Electronics Benelux BV | 28.541 | 0352 | - | Rel-17 | C | EMA5SLA | not pursued |
| S5-204364 | Rel-17 CR Configurable Parameters Configuration - Option 2 | Samsung Electronics Benelux BV | 28.541 | 0353 | - | Rel-17 | C | EMA5SLA | not pursued |
| S5-204369 | Rel-17 CR Configurable Parameters Configuration - Option 1 - Stage 3 - XML | Samsung Electronics Benelux BV | 28.541 | 0354 | - | Rel-17 | C | EMA5SLA | not pursued |
| S5-204373 | Rel-17 CR Configurable Parameters Configuration - Option 1 - Stage 3 - YAML | Samsung Electronics Benelux BV | 28.541 | 0355 | - | Rel-17 | C | EMA5SLA | not pursued |
| S5-204375 | Rel-17 CR Configurable Parameters Configuration - Option 2 - Stage 3 - XML | Samsung Electronics Benelux BV | 28.541 | 0356 | - | Rel-17 | C | EMA5SLA | not pursued |
| S5-204378 | Rel-17 CR Configurable Parameters Configuration - Option 2 - Stage 3 - YAML | Samsung Electronics Benelux BV | 28.541 | 0357 | - | Rel-17 | C | EMA5SLA | not pursued |
| S5-204379 | Rel-17 CR GST Translation and Configuration | Samsung Electronics Benelux BV | 28.541 | 0358 | - | Rel-17 | C | EMA5SLA | not pursued |
| S5-204381 | Rel-17 CR Deleting SupportedAccessTech | Samsung Electronics Benelux BV | 28.541 | 0359 | - | Rel-17 | C | EMA5SLA | withdrawn |
| S5-204383 | Rel-16 CR Deleting SupportedAccessTech | Samsung Electronics Benelux BV | 28.541 | 0360 | - | Rel-16 | F | EMA5SLA | merged |
| S5-204384 | Rel-17 CR Deleting SupportedAccessTech | Samsung Electronics Benelux BV | 28.541 | 0361 | - | Rel-17 | A | EMA5SLA | not pursued |
| S5-204386 | CR Rel-16 Deleting SupportedAccessTech - Stage 3 - XML | Samsung Electronics Benelux BV | 28.541 | 0362 | - | Rel-16 | F | EMA5SLA | agreed |
| S5-204387 | CR Rel-16 Deleting SupportedAccessTech - Stage 3 - YAML | Samsung Electronics Benelux BV | 28.541 | 0363 | - | Rel-16 | F | EMA5SLA | merged |
| S5-204388 | CR Rel-17 Deleting SupportedAccessTech - Stage 3 - XML | Samsung Electronics Benelux BV | 28.541 | 0364 | - | Rel-17 | A | EMA5SLA | not pursued |
| S5-204389 | CR Rel-17 Deleting SupportedAccessTech - Stage 3 - YAML | Samsung Electronics Benelux BV | 28.541 | 0365 | - | Rel-17 | A | EMA5SLA | not pursued |
| S5-204394 | Addition of attribute for network slice supporting maximum of data volumn | China Mobile Com. Corporation | 28.541 | 0366 | - | Rel-16 | B | eNRM | revised |
| S5-204653 | Addition of attribute for network slice supporting maximum of data volumn | China Mobile Com. Corporation | 28.541 | 0366 | 1 | Rel-16 | B | eNRM | agreed |
| S5-204395 | Addition of attribute for network slice supporting maximum number of PDU sessions | China Mobile Com. Corporation | 28.541 | 0367 | - | Rel-16 | B | eNRM | not pursued |
| S5-204409 | add relation between transport and application level endpoints stage 2 | Nokia, Nokia Shanghai Bell | 28.541 | 0368 | - | Rel-16 | F | TEI16 | revised |
| S5-204534 | add relation between transport and application level endpoints stage 2 | Nokia, Nokia Shanghai Bell | 28.541 | 0368 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-204410 | Add relation between transport and application level endpoints stage 3 | Nokia, Nokia Shanghai Bell | 28.541 | 0369 | - | Rel-16 | F | TEI16 | agreed |
| S5-204412 | Cleanup stage 2 editorial issue and stage 3 yaml error | Nokia, Nokia Shanghai Bell | 28.541 | 0370 | - | Rel-16 | F | eNRM | revised |
| S5-204445 | Cleanup stage 2 editorial issue and stage 3 yaml error | Nokia, Nokia Shanghai Bell | 28.541 | 0370 | 1 | Rel-16 | F | eNRM | agreed |
| S5-204423 | Rel-16 CR 28.541 Add clarifying note to ServiceProfile | Ericsson LM | 28.541 | 0371 | - | Rel-16 | F | MA5SLA | revised |
| S5-204545 | Rel-16 CR 28.541 Add clarifying note to ServiceProfile | Ericsson LM | 28.541 | 0371 | 1 | Rel-16 | F | MA5SLA | agreed |
| S5-204429 | Rel-17 CR TS 28.541 Add openAPI definition NR NRM support RAN sharing scenario(stage3) | Huawei, China Telecom | 28.541 | 0372 | - | Rel-17 | B | adNRM | withdrawn |
| S5-204136 | Rel-16 CR TS 28.545 Update description of MnS components used for configurable FM control | Huawei | 28.545 | 0007 | - | Rel-16 | F | TEI16 | revised |
| S5-204528 | Rel-16 CR TS 28.545 Update description of MnS components used for configurable FM control | Huawei | 28.545 | 0007 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-204202 | Rel-16 CR TS 28.545 Remove discarded IOC FMContol | ZTE Corporation | 28.545 | 0008 | - | Rel-16 | F | TEI16 | merged |
| S5-204135 | Rel-16 CR TS 28.550 Update description of MnS components used for configurable PM control | Huawei | 28.550 | 0059 | - | Rel-16 | F | 5G\_SLICE\_ePA | agreed |
| S5-204183 | Rel-15 CR 28.550 Remove the streaming solution from 28.550 | Intel Corporation (UK) Ltd | 28.550 | 0060 | - | Rel-15 | F | NETSLICE-ADPM5G | revised |
| S5-204184 | Rel-16 CR 28.550 Remove the streaming solution from 28.550 | Intel Corporation (UK) Ltd | 28.550 | 0060 | 1 | Rel-16 | A | NETSLICE-ADPM5G | withdrawn |
| S5-204185 | Rel-16 CR 28.550 Correction of performance data streaming sequence flow | Intel Corporation (UK) Ltd | 28.550 | 0061 | - | Rel-16 | F | TEI16,NETSLICE-ADPM5G | agreed |
| S5-204190 | Rel-15 CR 28.550 Remove the streaming solution from 28.550 | Intel Corporation (UK) Ltd | 28.550 | 0062 | - | Rel-15 | F | NETSLICE-ADPM5G | agreed |
| S5-204191 | Rel-16 CR 28.550 Remove the streaming solution from 28.550 | Intel Corporation (UK) Ltd | 28.550 | 0063 | - | Rel-16 | A | NETSLICE-ADPM5G | agreed |
| S5-204093 | Movement of “Distribution of Normally Released Call (5QI 1 QoS Flow) Duration” and “Distribution of Abnormally Released Call (5QI 1 QoS Flow) Duration” measurements to chapter 5.1.1.24. | Nokia Solutions & Networks (I) | 28.552 | 0243 | - | Rel-17 | B | ePM\_KPI\_5G | revised |
| S5-204490 | Movement of “Distribution of Normally Released Call (5QI 1 QoS Flow) Duration” and “Distribution of Abnormally Released Call (5QI 1 QoS Flow) Duration” measurements to chapter 5.1.1.24. | Nokia Solutions & Networks (I) | 28.552 | 0243 | 1 | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-204115 | Rel-17 CR TS 28.552 Add PLMN granularity for UE throughput measurements | China Telecom Corporation Ltd. | 28.552 | 0244 | - | Rel-17 | B | ePM\_KPI\_5G | revised |
| S5-204491 | Rel-17 CR TS 28.552 Add PLMN granularity for UE throughput measurements | China Telecom Corporation Ltd. | 28.552 | 0244 | 1 | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-204116 | Rel-17 CR TS 28.552 Add RRC establishment failure measurements | China Telecom Corporation Ltd. | 28.552 | 0245 | - | Rel-17 | B | ePM\_KPI\_5G | revised |
| S5-204492 | Rel-17 CR TS 28.552 Add RRC establishment failure measurements | China Telecom Corporation Ltd. | 28.552 | 0245 | 1 | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-204125 | Rel-17 CR Deleting Round-trip packet delay between PSA UPF and UE | Samsung Electronics Benelux BV | 28.552 | 0246 | - | Rel-17 | F | ePM\_KPI\_5G | not pursued |
| S5-204133 | Rel-16 CR TS 28.552 correct the descriptions of UL packet delay between PSA UPF and UE | HuaWei Technologies Co., Ltd | 28.552 | 0247 | - | Rel-16 | F | TEI16 | not pursued |
| S5-204155 | Add measurements for RACH optimization management for NR | Ericsson France S.A.S | 28.552 | 0248 | - | Rel-16 | B | SON\_5G | withdrawn |
| S5-204160 | Rel-17 CR 28.552 Add measurements on network slice selection | Intel Corporation (UK) Ltd | 28.552 | 0249 | - | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-204161 | Rel-17 CR 28.552 Add measurements on NSSAI availability service | Intel Corporation (UK) Ltd | 28.552 | 0250 | - | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-204200 | Rel-16 CR TS 28.552 Addition of AM policy association update notify measurements for PCF | China Mobile Com. Corporation, ZTE | 28.552 | 0251 | - | Rel-16 | F | 5G\_SLICE\_ePA | revised |
| S5-204538 | Rel-16 CR TS 28.552 Addition of AM policy association update notify measurements for PCF | China Mobile Com. Corporation, ZTE | 28.552 | 0251 | 1 | Rel-16 | F | 5G\_SLICE\_ePA | agreed |
| S5-204201 | Rel-16 CR TS 28.552 Addition of SM policy association update measurements for PCF | China Mobile Com. Corporation, ZTE | 28.552 | 0252 | - | Rel-16 | F | 5G\_SLICE\_ePA | revised |
| S5-204539 | Rel-16 CR TS 28.552 Addition of SM policy association update measurements for PCF | China Mobile Com. Corporation, ZTE | 28.552 | 0252 | 1 | Rel-16 | F | 5G\_SLICE\_ePA | agreed |
| S5-204204 | Rel-16 CR TS 28.552 Update the description of RRC connection re-establishment related measurementss | ZTE Corporation | 28.552 | 0253 | - | Rel-16 | F | 5G\_SLICE\_ePA | revised |
| S5-204540 | Rel-16 CR TS 28.552 Update the description of RRC connection re-establishment related measurementss | ZTE Corporation | 28.552 | 0253 | 1 | Rel-16 | F | 5G\_SLICE\_ePA | agreed |
| S5-204205 | R16 CR TS28.552 Modify MCS related Measurements | ZTE Corporation | 28.552 | 0254 | - | Rel-16 | F | 5G\_SLICE\_ePA | revised |
| S5-204541 | R16 CR TS28.552 Modify MCS related Measurements | ZTE Corporation | 28.552 | 0254 | 1 | Rel-16 | F | 5G\_SLICE\_ePA | agreed |
| S5-204206 | R17 CR TS28.552 ADD EPS fallback handover related Measurement | ZTE Corporation | 28.552 | 0255 | - | Rel-17 | B | ePM\_KPI\_5G | revised |
| S5-204483 | R17 CR TS28.552 ADD EPS fallback handover related Measurement | ZTE Corporation | 28.552 | 0255 | 1 | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-204240 | Rel-17 CR 28.552 Add incoming and outgoing GTP data packet loss TEI | Huawei | 28.552 | 0256 | - | Rel-17 | B | ePM\_KPI\_5G | revised |
| S5-204493 | Rel-17 CR 28.552 Add incoming and outgoing GTP data packet loss TEI | Huawei | 28.552 | 0256 | 1 | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-204259 | R17 CR TS28.552 ADD EPS fallback redirection related Measurement | ZTE Corporation | 28.552 | 0257 | - | Rel-17 | B | ePM\_KPI\_5G | revised |
| S5-204484 | R17 CR TS28.552 ADD EPS fallback redirection related Measurement | ZTE Corporation | 28.552 | 0257 | 1 | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-204305 | R17 CR TS28.552 ADD EPS fallback handover time Measurement | ZTE Corporation | 28.552 | 0258 | - | Rel-17 | B | ePM\_KPI\_5G | revised |
| S5-204485 | R17 CR TS28.552 ADD EPS fallback handover time Measurement | ZTE Corporation | 28.552 | 0258 | 1 | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-204346 | Rel-17 CR TS 28.552 Add measurements for RB distribution per layer of MU-MIMO | China Telecom Corporation Ltd., ZTE | 28.552 | 0259 | - | Rel-17 | B | ePM\_KPI\_5G | revised |
| S5-204486 | Rel-17 CR TS 28.552 Add measurements for RB distribution per layer of MU-MIMO | China Telecom Corporation Ltd., ZTE | 28.552 | 0259 | 1 | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-204358 | Rel-17 CR 28.552 Add UDM subscriber profile measurements | Nokia, Nokia Shanghai Bell | 28.552 | 0260 | - | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-204376 | Rel-17 CR TS 28.552 Add MCS distribution measurement of MU-MIMO | China Telecom Corporation Ltd., ZTE | 28.552 | 0261 | - | Rel-17 | B | ePM\_KPI\_5G | revised |
| S5-204487 | Rel-17 CR TS 28.552 Add MCS distribution measurement of MU-MIMO | China Telecom Corporation Ltd., ZTE | 28.552 | 0261 | 1 | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-204382 | Rel-16 CR 28.552 Add measurements for RACH optimization management for NR | Ericsson France S.A.S | 28.552 | 0262 | - | Rel-16 | B | SON\_5G | revised |
| S5-204435 | Rel-16 CR 28.552 Add measurements for RACH optimization management for NR | Ericsson France S.A.S | 28.552 | 0262 | 1 | Rel-16 | B | SON\_5G | revised |
| S5-204655 | Rel-16 CR 28.552 Add measurements for RACH optimization management for NR | Ericsson France S.A.S | 28.552 | 0262 | 2 | Rel-16 | B | SON\_5G | agreed |
| S5-204396 | Addition of RSRQ measurement | China Mobile Com. Corporation | 28.552 | 0263 | - | Rel-17 | B | ePM\_KPI\_5G | revised |
| S5-204488 | Addition of RSRQ measurement | China Mobile Com. Corporation | 28.552 | 0263 | 1 | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-204397 | Addition of SINR measurement | China Mobile Com. Corporation | 28.552 | 0264 | - | Rel-17 | B | ePM\_KPI\_5G | revised |
| S5-204489 | Addition of SINR measurement | China Mobile Com. Corporation | 28.552 | 0264 | 1 | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-204475 | Rel-16 CR Deleting Round-trip packet delay between PSA UPF and UE | Samsung | 28.552 | 0265 | - | Rel-16 | F | 5G\_SLICE\_ePA-KPI | agreed |
| S5-204122 | Rel-17 CR Fixing KPIs | Samsung Electronics Benelux BV | 28.554 | 0054 | - | Rel-17 | F | ePM\_KPI\_5G | not pursued |
| S5-204123 | Rel-16 CR Fixing KPIs | Samsung Electronics Benelux BV | 28.554 | 0055 | - | Rel-16 | F | 5G\_SLICE\_ePA-KPI | revised |
| S5-204482 | Rel-16 CR Fixing KPIs | Samsung Electronics Benelux BV,China Mobile Com. Corporation | 28.554 | 0055 | 1 | Rel-16 | F | 5G\_SLICE\_ePA-KPI | agreed |
| S5-204159 | Rel-16 CR 28.554 Correction of RAN UE throughput KPI | Intel Corporation (UK) Ltd | 28.554 | 0056 | - | Rel-16 | F | 5G\_SLICE\_ePA | agreed |
| S5-204392 | Rel-17 CR Additional KPI Definition for Max Subscriber and PDU Session | Samsung Electronics Benelux BV | 28.554 | 0057 | - | Rel-17 | B | ePM\_KPI\_5G | revised |
| S5-204494 | Rel-17 CR Additional KPI Definition for Max Subscriber and PDU Session | Samsung Electronics Benelux BV | 28.554 | 0057 | 1 | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-204398 | SINR measurement is useful to troubleshoot weak coverage or low access rate for each cell. | China Mobile Com. Corporation | 28.554 | 0058 | - | Rel-16 | D | ePM\_KPI\_5G | merged |
| S5-204342 | Rel-16 CR 28.622 Correct ThresholdMonitor definition (stage 2) | Nokia, Nokia Shanghai Bell | 28.622 | 0087 | - | Rel-16 | F | eNRM | revised |
| S5-204585 | Rel-16 CR 28.622 Correct ThresholdMonitor definition (stage 2) | Nokia, Nokia Shanghai Bell | 28.622 | 0087 | 1 | Rel-16 | F | eNRM | agreed |
| S5-204362 | Rel-16 CR 28.622 Correct HeartbeatControl definition and some other smaller issues (stage 2) | Nokia, Nokia Shanghai Bell | 28.622 | 0088 | - | Rel-16 | F | eNRM | revised |
| S5-204549 | Rel-16 CR 28.622 Correct HeartbeatControl definition and some other smaller issues (stage 2) | Nokia, Nokia Shanghai Bell | 28.622 | 0088 | 1 | Rel-16 | F | eNRM | agreed |
| S5-204069 | Correction of NRM YANG errors | Ericsson Hungary Ltd | 28.623 | 0095 | - | Rel-16 | F | eNRM | agreed |
| S5-204094 | Clean-up definitions and references | Oy LM Ericsson AB | 28.623 | 0096 | - | Rel-11 | F | TEI11 | revised |
| S5-204520 | Clean-up definitions and references | Oy LM Ericsson AB | 28.623 | 0096 | 1 | Rel-11 | F | TEI11 | agreed |
| S5-204095 | Clean-up definitions and references | Oy LM Ericsson AB | 28.623 | 0097 | - | Rel-12 | A | TEI11 | revised |
| S5-204521 | Clean-up definitions and references | Oy LM Ericsson AB | 28.623 | 0097 | 1 | Rel-12 | A | TEI11 | agreed |
| S5-204096 | Clean-up definitions and references | Oy LM Ericsson AB | 28.623 | 0098 | - | Rel-13 | A | TEI11 | revised |
| S5-204522 | Clean-up definitions and references | Oy LM Ericsson AB | 28.623 | 0098 | 1 | Rel-13 | A | TEI11 | agreed |
| S5-204097 | Clean-up definitions and references | Oy LM Ericsson AB | 28.623 | 0099 | - | Rel-14 | A | TEI11 | revised |
| S5-204523 | Clean-up definitions and references | Oy LM Ericsson AB | 28.623 | 0099 | 1 | Rel-14 | A | TEI11 | agreed |
| S5-204098 | Clean-up definitions and references | Oy LM Ericsson AB | 28.623 | 0100 | - | Rel-15 | A | TEI11 | revised |
| S5-204524 | Clean-up definitions and references | Oy LM Ericsson AB | 28.623 | 0100 | 1 | Rel-15 | A | TEI11 | agreed |
| S5-204099 | Clean-up definitions and references | Oy LM Ericsson AB | 28.623 | 0101 | - | Rel-16 | A | TEI11 | revised |
| S5-204525 | Clean-up definitions and references | Oy LM Ericsson AB | 28.623 | 0101 | 1 | Rel-16 | A | TEI11 | agreed |
| S5-204134 | YANG SS for Trace Control | Ericsson Hungary Ltd | 28.623 | 0102 | - | Rel-16 | B | eNRM | agreed |
| S5-204339 | Rel-16 CR 28.623 Add missing definitions to comDefs.yaml (OpenAPI definitions) | Nokia, Nokia Shanghai Bell | 28.623 | 0103 | - | Rel-16 | F | TEI16,REST\_SS | agreed |
| S5-204341 | Rel-16 CR 28.623 Correct various smaller errors (e.g. validation errors) in genericNRM.yaml (OpenAPI definitions) | Nokia, Nokia Shanghai Bell | 28.623 | 0104 | - | Rel-16 | F | TEI16,REST\_SS | agreed |
| S5-204343 | Rel-16 CR 28.623 Correct ThresholdMonitor definition (OpenAPI definitions) | Nokia, Nokia Shanghai Bell | 28.623 | 0105 | - | Rel-16 | F | eNRM | revised |
| S5-204650 | Rel-16 CR 28.623 Correct ThresholdMonitor definition (OpenAPI definitions) | Nokia, Nokia Shanghai Bell | 28.623 | 0105 | 1 | Rel-16 | F | eNRM | agreed |
| S5-204552 | Rel-16 CR 28.623 Correct HeartbeatControl definition and some other smaller issues (stage 3) | Ericsson | 28.623 | 0106 | - | Rel-16 | F | eNRM | agreed |
| S5-204651 | Rel-16 CR 28.623 Correct ThresholdMonitor definition (YANG) | Ericsson | 28.623 | 0107 | - | Rel-16 | F | eNRM | agreed |
| S5-204203 | Rel-16 CR TS 28.628 Modify TOP as parent class | ZTE Corporation | 28.628 | 0018 | - | Rel-16 | F | TEI16 | agreed |
| S5-204316 | Correction of reference list and adding references throughout the document | Ericsson LM | 32.103 | 0019 | - | Rel-10 | F | TEI10 | agreed |
| S5-204318 | Correction of reference list and adding references throughout the document | Ericsson LM | 32.103 | 0020 | - | Rel-11 | A | TEI10 | agreed |
| S5-204321 | Correction of reference list and adding references throughout the document | Ericsson LM | 32.103 | 0021 | - | Rel-12 | A | TEI10 | agreed |
| S5-204322 | Correction of reference list and adding references throughout the document | Ericsson LM | 32.103 | 0022 | - | Rel-13 | A | TEI10 | agreed |
| S5-204325 | Correction of reference list and adding references throughout the document | Ericsson LM | 32.103 | 0023 | - | Rel-14 | A | TEI10 | revised |
| S5-204553 | Correction of reference list and adding references throughout the document | Ericsson LM | 32.103 | 0023 | 1 | Rel-14 | A | TEI10 | agreed |
| S5-204326 | Correction of reference list and adding references throughout the document | Ericsson LM | 32.103 | 0024 | - | Rel-15 | A | TEI10 | agreed |
| S5-204327 | Correction of reference list and adding references throughout the document | Ericsson LM | 32.103 | 0025 | - | Rel-16 | A | TEI10 | revised |
| S5-204668 | Correction of reference list and adding references throughout the document | Ericsson LM | 32.103 | 0025 | 1 | Rel-16 | A | TEI10 | agreed |
| S5-204328 | CR Rel-12 Remove the reference to M-SDO tdoc | Huawei | 32.107 | 0002 | - | Rel-12 | F | TEI12 | agreed |
| S5-204329 | CR Rel-13 Remove the reference to M-SDO tdoc | Huawei | 32.107 | 0003 | - | Rel-13 | A | TEI12 | agreed |
| S5-204330 | CR Rel-14 Remove the reference to M-SDO tdoc | Huawei | 32.107 | 0004 | - | Rel-14 | A | TEI12 | agreed |
| S5-204331 | CR Rel-15 Remove the reference to M-SDO tdoc | Huawei | 32.107 | 0005 | - | Rel-15 | A | TEI12 | agreed |
| S5-204332 | CR Rel-16 Remove the reference to M-SDO tdoc | Huawei | 32.107 | 0006 | - | Rel-16 | A | TEI12 | agreed |
| S5-204336 | Rel-16 CR 32.158 Add missing design pattern for asynchronous operations | Nokia, Nokia Shanghai Bell | 32.158 | 0014 | - | Rel-16 | F | TEI15,REST\_SS | withdrawn |
| S5-204436 | Update the URI strcuture definition | Huawei,Nokia | 32.158 | 0015 | - | Rel-16 | F | TEI16 | revised |
| S5-204529 | Update the URI strcuture definition | Huawei,Nokia | 32.158 | 0015 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-204044 | Rel-16 CR 32.255 Charging Id Handling 5GC interworking with EPC | Nokia, Nokia Shanghai Bell | 32.255 | 0236 | - | Rel-16 | F | 5GIEPC\_CH | revised |
| S5-204615 | Rel-16 CR 32.255 Charging Id Handling 5GC interworking with EPC | Nokia, Nokia Shanghai Bell | 32.255 | 0236 | 1 | Rel-16 | F | 5GIEPC\_CH | agreed |
| S5-204045 | Rel-16 CR 32.255 Clarify Charging information 5GC interworking with EPC | Nokia, Nokia Shanghai Bell | 32.255 | 0237 | - | Rel-16 | F | 5GIEPC\_CH | revised |
| S5-204616 | Rel-16 CR 32.255 Clarify Charging information 5GC interworking with EPC | Nokia, Nokia Shanghai Bell | 32.255 | 0237 | 1 | Rel-16 | F | 5GIEPC\_CH | agreed |
| S5-204050 | Rel-16 CR 32.255 Completion of ATSSS triggers | Nokia, Nokia Shanghai Bell | 32.255 | 0238 | - | Rel-16 | B | ATSSS | agreed |
| S5-204163 | Rel-16 CR 32.255 Correction of missing AF Charging Id in string format | Ericsson | 32.255 | 0239 | - | Rel-16 | F | TEI16 | revised |
| S5-204621 | Rel-16 CR 32.255 Correction of missing AF Charging Id in string format | Ericsson | 32.255 | 0239 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-204167 | Rel-16 CR 32.255 Missing handling of implicit armed triggers | Ericsson | 32.255 | 0240 | - | Rel-16 | F | TEI16, 5GS\_Ph1-DCH | not pursued |
| S5-204209 | Rel-16 CR 32.255 Add the enhanced Diagnostics for 5G Charging | Huawei | 32.255 | 0241 | - | Rel-16 | F | 5GS\_Ph1-DCH | not pursued |
| S5-204227 | Rel-16 CR TS 32.255 Add EPC&ePDG interworking procedures | Huawei | 32.255 | 0242 | - | Rel-16 | F | TEI16, 5GS\_Ph1-DCH | revised |
| S5-204630 | Rel-16 CR TS 32.255 Add EPC&ePDG interworking procedures | Huawei | 32.255 | 0242 | 1 | Rel-16 | F | 5GIEPC\_CH | agreed |
| S5-204228 | Rel-16 CR TS 32.255 Add ePDG as serving node | Huawei | 32.255 | 0243 | - | Rel-16 | F | TEI16, 5GS\_Ph1-DCH | revised |
| S5-204629 | Rel-16 CR TS 32.255 Add ePDG as serving node | Huawei | 32.255 | 0243 | 1 | Rel-16 | F | 5GIEPC\_CH | agreed |
| S5-204229 | Rel-16 CR TS 32.255 Add support of stateless SMF | Huawei | 32.255 | 0244 | - | Rel-16 | F | TEI16, 5GS\_Ph1-DCH | not pursued |
| S5-204230 | Rel-16 CR TS 32.255 Align 5WWC RAT types | Huawei | 32.255 | 0245 | - | Rel-16 | F | TEI16, 5WWC | revised |
| S5-204638 | Rel-16 CR TS 32.255 Align 5WWC RAT types | Huawei | 32.255 | 0245 | 1 | Rel-16 | F | 5WWC | agreed |
| S5-204235 | Rel-16 CR 32.255 Correct architecture figures and description | Huawei | 32.255 | 0246 | - | Rel-16 | F | TEI16, 5GS\_Ph1-DCH | revised |
| S5-204636 | Rel-16 CR 32.255 Correct architecture figures and description | Huawei | 32.255 | 0246 | 1 | Rel-16 | F | TEI16, 5GS\_Ph1-DCH | agreed |
| S5-204237 | Rel-16 CR 32.255 Add PDU address for IPv6 multi-homing | Huawei | 32.255 | 0247 | - | Rel-16 | F | TEI16, 5GS\_Ph1-DCH | revised |
| S5-204637 | Rel-16 CR 32.255 Add PDU address for IPv6 multi-homing | Huawei | 32.255 | 0247 | 1 | Rel-16 | F | TEI16, 5GS\_Ph1-DCH | agreed |
| S5-204040 | Rel-16 CR 32.274 Add Retransmission IE - non applicable | Nokia, Nokia Shanghai Bell | 32.274 | 0076 | - | Rel-16 | F | TEI16 | agreed |
| S5-204043 | Correction of two SCUR Scenarios figure title and message description | China Telecomunication Corp. | 32.290 | 0126 | - | Rel-15 | F | 5GS\_Ph1-SBI\_CH | not pursued |
| S5-204168 | Rel-16 CR 32.290 Missing handling of resource at failure | Ericsson | 32.290 | 0127 | - | Rel-16 | F | TEI16, 5GS\_Ph1-SBI\_CH | not pursued |
| S5-204212 | Rel-16 CR 32.290 Add the attributes for CHFQM | Huawei | 32.290 | 0128 | - | Rel-16 | F | CHFCQM | revised |
| S5-204606 | Rel-16 CR 32.290 Add the attributes for CHFQM | Huawei | 32.290 | 0128 | 1 | Rel-16 | F | CHFCQM | agreed |
| S5-204366 | Rel-15 CR 32.290 Correction on Converged Charging and Requested Unit handling | Matrixx | 32.290 | 0129 | - | Rel-15 | F | 5GS\_Ph1-SBI\_CH | not pursued |
| S5-204370 | Rel-16 CR 32.290 Correction on Converged Charging and Requested Unit handling | Matrixx | 32.290 | 0130 | - | Rel-16 | A | 5GS\_Ph1-SBI\_CH | revised |
| S5-204639 | Rel-16 CR 32.290 Correction on Converged Charging and Requested Unit handling | Matrixx | 32.290 | 0130 | 1 | Rel-16 | F | TEI16,5GS\_Ph1-SBI\_CH | agreed |
| S5-204046 | Rel-16 CR 32.291 Clarify Charging information 5GC interworking with EPC | Nokia, Nokia Shanghai Bell | 32.291 | 0245 | - | Rel-16 | F | 5GIEPC\_CH | revised |
| S5-204617 | Rel-16 CR 32.291 Clarify Charging information 5GC interworking with EPC | Nokia, Nokia Shanghai Bell | 32.291 | 0245 | 1 | Rel-16 | F | 5GIEPC\_CH | agreed |
| S5-204047 | Rel-16 CR 32.291 Corrections in names and cardinality for attributes | Nokia, Nokia Shanghai Bell | 32.291 | 0246 | - | Rel-16 | F | TEI16 | agreed |
| S5-204048 | Rel-16 CR 32.291 Authorization of CHF services access by OAuth 2.0 | Nokia, Nokia Shanghai Bell | 32.291 | 0247 | - | Rel-16 | F | TEI16 | revised |
| S5-204618 | Rel-16 CR 32.291 Authorization of CHF services access by OAuth 2.0 | Nokia, Nokia Shanghai Bell | 32.291 | 0247 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-204051 | Rel-16 CR 32.291 Introduction of ATSSS | Nokia, Nokia Shanghai Bell | 32.291 | 0248 | - | Rel-16 | B | ATSSS | revised |
| S5-204619 | Rel-16 CR 32.291 Introduction of ATSSS | Nokia, Nokia Shanghai Bell | 32.291 | 0248 | 1 | Rel-16 | B | ATSSS | agreed |
| S5-204063 | Rel-16 CR 32.291 Introduction of NSM charging information | Nokia, Nokia Shanghai Bell | 32.291 | 0249 | - | Rel-16 | B | 5GS\_NSMCH | revised |
| S5-204640 | Rel-16 CR 32.291 Introduction of NSM charging information | Nokia, Nokia Shanghai Bell | 32.291 | 0249 | 1 | Rel-16 | B | 5GS\_NSMCH | agreed |
| S5-204066 | Rel-16 CR 32.291 Correction on category for triggerCategory | Nokia, Nokia Shanghai Bell | 32.291 | 0250 | - | Rel-16 | F | TEI16, 5GS\_Ph1-SBI\_CH | not pursued |
| S5-204162 | Rel-16 CR 32.291 Charging characteristics not consistently defined | Ericsson | 32.291 | 0251 | - | Rel-16 | F | TEI16, 5GS\_Ph1-SBI\_CH | agreed |
| S5-204164 | Rel-16 CR 32.291 Correction of missing AF Charging Id in string format | Ericsson | 32.291 | 0252 | - | Rel-16 | F | TEI16 | revised |
| S5-204622 | Rel-16 CR 32.291 Correction of missing AF Charging Id in string format | Ericsson | 32.291 | 0252 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-204166 | Rel-15 CR 32.291 Correction of nfConsumerIdentification in response | Ericsson | 32.291 | 0253 | - | Rel-15 | F | TEI15 | agreed |
| S5-204169 | Rel-16 CR 32.291 Correction to tariffTimeChange with UTC time | Ericsson | 32.291 | 0254 | - | Rel-16 | F | TEI16 | agreed |
| S5-204171 | Rel-16 CR 32.291 Missing handling of location triggers | Ericsson | 32.291 | 0255 | - | Rel-16 | F | TEI16 | merged |
| S5-204172 | Rel-16 CR 32.291 Missing suspend of quota management | Ericsson | 32.291 | 0256 | - | Rel-16 | F | CHFCQM | revised |
| S5-204624 | Rel-16 CR 32.291 Missing suspend of quota management | Ericsson | 32.291 | 0256 | 1 | Rel-16 | F | CHFCQM | agreed |
| S5-204207 | Rel-15 CR 32.291 Correct the InvocationSequenceNumber | Huawei | 32.291 | 0257 | - | Rel-15 | F | 5GS\_Ph1-SBI\_CH | not pursued |
| S5-204208 | Rel-16 CR 32.291 Correct the InvocationSequenceNumber | Huawei | 32.291 | 0258 | - | Rel-16 | A | 5GS\_Ph1-SBI\_CH | not pursued |
| S5-204210 | Rel-16 CR 32.291 Add the enhanced Diagnostics for 5G Charging | Huawei | 32.291 | 0259 | - | Rel-16 | F | TEI16, 5GS\_Ph1-SBI\_CH | not pursued |
| S5-204213 | Rel-16 CR 32.291 Add the attributes for CHFQM | Huawei | 32.291 | 0260 | - | Rel-16 | F | TEI16 | not pursued |
| S5-204223 | Rel-16 CR 32.291 Add the NSPA charging attribute for convergedchargingservice | Huawei | 32.291 | 0261 | - | Rel-16 | B | 5GS\_NSPACH | revised |
| S5-204602 | Rel-16 CR 32.291 Add the NSPA charging attribute for convergedchargingservice | Huawei | 32.291 | 0261 | 1 | Rel-16 | B | 5GS\_NSPACH | agreed |
| S5-204232 | Rel-16 CR TS 32.291 Add timeLimit and eventLimit | Huawei | 32.291 | 0262 | - | Rel-16 | F | TEI16, 5GS\_Ph1-DCH | revised |
| S5-204634 | Rel-16 CR TS 32.291 Add timeLimit and eventLimit | Huawei | 32.291 | 0262 | 1 | Rel-16 | F | OFSBI\_CH | agreed |
| S5-204233 | Rel-16 CR TS 32.291 Update cardinality for event time stamps | Huawei | 32.291 | 0263 | - | Rel-16 | F | TEI16, 5GS\_Ph1-DCH | revised |
| S5-204635 | Rel-16 CR TS 32.291 Update cardinality for event time stamps | Huawei | 32.291 | 0263 | 1 | Rel-16 | F | TEI16, 5GS\_Ph1-DCH | agreed |
| S5-204371 | Rel-15 CR 32.291 Correction on Converged Charging and Requested Unit handling | Matrixx | 32.291 | 0264 | - | Rel-15 | F | 5GS\_Ph1-SBI\_CH | revised |
| S5-204631 | Rel-15 CR 32.291 Correction on Converged Charging and Requested Unit handling | Matrixx | 32.291 | 0264 | 1 | Rel-15 | F | 5GS\_Ph1-SBI\_CH | agreed |
| S5-204374 | Rel-16 CR 32.291 Correction on Converged Charging and Requested Unit handling | Matrixx | 32.291 | 0265 | - | Rel-16 | A | 5GS\_Ph1-SBI\_CH | revised |
| S5-204632 | Rel-16 CR 32.291 Correction on Converged Charging and Requested Unit handling | Matrixx | 32.291 | 0265 | 1 | Rel-16 | A | 5GS\_Ph1-SBI\_CH | agreed |
| S5-204424 | Rel-16 Missing Quota Management Indicator data type | Amdocs Software Systems Ltd | 32.291 | 0266 | - | Rel-16 | F | CHFCQM | merged |
| S5-204589 | Rel-16 CR TS 32.291 Add ePDG as serving node | Huawei | 32.291 | 0267 | - | Rel-16 | F | 5GIEPC\_CH | agreed |
| S5-204608 | Rel-16 CR 32.291 Update OpenAPI version | Huawei | 32.291 | 0268 | - | Rel-16 | A | 5GS\_Ph1-SBI\_CH | agreed |
| S5-204642 | Rel-15 CR 32.291 Update OpenAPI version | Huawei | 32.291 | 0269 | - | Rel-15 | F | 5GS\_Ph1-SBI\_CH | agreed |
| S5-204049 | Rel-16 CR 32.297 Introduction of TS 28.202 | Nokia, Nokia Shanghai Bell | 32.297 | 0038 | - | Rel-16 | B | 5GS\_NSMCH | agreed |
| S5-204052 | Rel-16 CR 32.298 Introduction of ATSSS | Nokia, Nokia Shanghai Bell | 32.298 | 0819 | - | Rel-16 | B | ATSSS | revised |
| S5-204620 | Rel-16 CR 32.298 Introduction of ATSSS | Nokia, Nokia Shanghai Bell | 32.298 | 0819 | 1 | Rel-16 | B | ATSSS | agreed |
| S5-204064 | Rel-16 CR 32.298 Introduction of NSM charging information | Nokia, Nokia Shanghai Bell | 32.298 | 0820 | - | Rel-16 | B | 5GS\_NSMCH | revised |
| S5-204641 | Rel-16 CR 32.298 Introduction of NSM charging information | Nokia, Nokia Shanghai Bell | 32.298 | 0820 | 1 | Rel-16 | B | 5GS\_NSMCH | agreed |
| S5-204165 | Rel-16 CR 32.298 Correction of missing AF Charging Id in string format | Ericsson | 32.298 | 0821 | - | Rel-16 | F | TEI16 | revised |
| S5-204623 | Rel-16 CR 32.298 Correction of missing AF Charging Id in string format | Ericsson | 32.298 | 0821 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-204170 | Rel-15 CR 32.298 Missing time in QFI container | Ericsson | 32.298 | 0822 | - | Rel-15 | F | TEI15 | not pursued |
| S5-204173 | Rel-16 CR 32.298 Missing suspend of quota management | Ericsson | 32.298 | 0823 | - | Rel-16 | F | CHFCQM | revised |
| S5-204625 | Rel-16 CR 32.298 Missing suspend of quota management | Ericsson | 32.298 | 0823 | 1 | Rel-16 | F | CHFCQM | agreed |
| S5-204211 | Rel-16 CR 32.298 Add the enhanced Diagnostics for 5G Charging | Huawei | 32.298 | 0824 | - | Rel-16 | F | TEI16, 5GS\_Ph1-DCH | not pursued |
| S5-204222 | Rel-16 CR 32.298 Add the NS performance and analytics charging parameter | Huawei | 32.298 | 0825 | - | Rel-16 | B | 5GS\_NSPACH | revised |
| S5-204600 | Rel-16 CR 32.298 Add the NS performance and analytics charging parameter | Huawei | 32.298 | 0825 | 1 | Rel-16 | B | 5GS\_NSPACH | agreed |
| S5-204231 | Rel-16 CR TS 32.298 Add 5WWC RAT types | Huawei | 32.298 | 0826 | - | Rel-16 | F | TEI16, 5WWC | revised |
| S5-204633 | Rel-16 CR TS 32.298 Add 5WWC RAT types | Huawei | 32.298 | 0826 | 1 | Rel-16 | F | TEI16, 5WWC | revised |
| S5-204646 | Rel-16 CR TS 32.298 Add 5WWC RAT types | Huawei | 32.298 | 0826 | 2 | Rel-16 | F | 5WWC | agreed |
| S5-204234 | Rel-16 CR TS 32.298 Add QHT in CHF CDR | Huawei | 32.298 | 0827 | - | Rel-16 | F | TEI16, 5GS\_Ph1-DCH | agreed |
| S5-204590 | Rel-16 CR TS 32.298 Add ePDG as serving node | Huawei | 32.298 | 0828 | - | Rel-16 | F | 5GIEPC\_CH | agreed |
| S5-204092 | Add new MDT requirements | Oy LM Ericsson AB | 32.421 | 0096 | - | Rel-17 | B | e\_5GMDT | agreed |
| S5-204090 | Add handling of Xn handover for inter-RAT and information for mapping between URI of TCE and TCE ID | Oy LM Ericsson AB | 32.422 | 0335 | - | Rel-17 | B | e\_5GMDT | agreed |
| S5-204118 | Rel-15 CR Adding AUSF and SMSF as Trace Entity | Samsung Electronics Benelux BV | 32.422 | 0336 | - | Rel-15 | F | TM\_SBMA | revised |
| S5-204535 | Rel-15 CR Adding AUSF and SMSF as Trace Entity | Samsung Electronics Benelux BV | 32.422 | 0336 | 1 | Rel-15 | F | TM\_SBMA | agreed |
| S5-204119 | Rel-16 CR Adding AUSF and SMSF as Trace Entity | Samsung Electronics Benelux BV | 32.422 | 0337 | - | Rel-16 | A | TM\_SBMA | revised |
| S5-204536 | Rel-16 CR Adding AUSF and SMSF as Trace Entity | Samsung Electronics Benelux BV | 32.422 | 0337 | 1 | Rel-16 | A | TM\_SBMA | agreed |
| S5-204196 | Rel-16 CR TS 32.422 Add the missing procedure of SCG failure reporting | Huawei | 32.422 | 0338 | - | Rel-16 | F | TEI16 | not pursued |
| S5-204197 | Rel-16 CR TS 32.422 Update RCEF procedures according to user consent | Huawei | 32.422 | 0339 | - | Rel-16 | F | TEI16 | not pursued |
| S5-204198 | Rel-16 CR TS 32.422 Update RLF procedures according to user consent | Huawei | 32.422 | 0340 | - | Rel-16 | F | TEI16 | not pursued |
| S5-204241 | Rel-15 CR TS 32.422 adding AMF interface trace information | Huawei | 32.422 | 0341 | - | Rel-15 | F | TEI15 | agreed |
| S5-204242 | Rel-16 CR TS 32.422 adding AMF interface trace information | Huawei | 32.422 | 0342 | - | Rel-16 | A | TEI15 | agreed |
| S5-204415 | Add support in band notification of error conditions when streaming trace data | Oy LM Ericsson AB | 32.422 | 0343 | - | Rel-16 | F | OAM\_RTT | agreed |
| S5-204427 | Rel-16 CR 32.422 Add missing 5G RCEF report collection | Nokia, Nokia Shanghai Bell | 32.422 | 0344 | - | Rel-16 | F | 5GMDT | agreed |
| S5-204428 | Rel-16 CR 32.422 Add missing reports of RRC resume procedure failure | Nokia, Nokia Shanghai Bell | 32.422 | 0345 | - | Rel-16 | F | 5GMDT | not pursued |
| S5-204430 | Rel-16 CR 32.422 Add missing 5G RLF report collection | Nokia, Nokia Shanghai Bell | 32.422 | 0346 | - | Rel-16 | F | 5GMDT | agreed |
| S5-204404 | Add support for new administration messages when streaming trace data | Oy LM Ericsson AB | 32.423 | 0116 | - | Rel-16 | F | OAM\_RTT | agreed |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Original | Title | From | Decision | Reply TDoc |
| S5-204010 |  | LS from 5G ACIA cc SA5 on 5G capabilities exposure for factories of the future | 5G ACIA | noted | (none) |
| S5-204011 |  | Ls from GSMA cc SA5 on Response to SA2 on Clarification of NG.116 | GSMA | noted | (none) |
| S5-204012 |  | Ls from GSMA to SA5 on NG.116 support of different access types | GSMA | replied to | S5-204476 |
| S5-204013 |  | LS ccSA5 on Clarification NG.116 GST Throughput Attributes and Non-3GPP Access Support | S2-1912772 | noted | (none) |
| S5-204014 |  | LS ccSA5 on Reply on support of eCall over NR | C1-203221 | noted | (none) |
| S5-204015 |  | LS Reply to SA5 on SNSSAI support in N4 Session Establishment | C4-203215 | noted | (none) |
| S5-204016 |  | Liaison to 3GPP SA2/SA5 on mapping between ENI architecture and NWDAF/MDAF | ETSI ISG ENI | replied to | S5-204440 |
| S5-204017 |  | Resubmitted LS Out to SA2 and SA5 on making PSCELL ID available at the SGW of EPC | ETSI TC LI | postponed | (none) |
| S5-204018 |  | LS to SA5 on End-to-End Network Slicing Gap analysis | GSMA | noted | (none) |
| S5-204019 |  | LSreply to 3GPP SA5 on the update of touchpoints in TS28.622 (ref. S5-197650) | ETSI ISG NFV | noted | (none) |
| S5-204020 |  | LS to SA5 on QoE Measurement Collection | R2-2005778 | postponed | (none) |
| S5-204021 |  | LS Reply to SA5 on QoE Measurement Collection | S4-200962 | postponed | (none) |
| S5-204022 |  | LS ccSA5 on Reply LS on MDT and SON decisions related to RAN3 LSs | R2-2005911 | noted | (none) |
| S5-204023 |  | Ls to SA5 on Reply LS on the status update of the SON support for NR works | R2-2006372 | replied to | S5-204542 |
| S5-204024 |  | Reply LS to SA5 on User Data Congestion Analytics | R3-194749 | noted | (none) |
| S5-204025 |  | Reply LS to SA5 on User Data Congestion Analytics | S2-1910210 | noted | (none) |
| S5-204026 |  | Ls to SA5 on Support for Streaming Based MDT and Trace report | R3-204110 | replied to | S5-204669 |
| S5-204027 |  | Ls to SA5 on limitation of Propagation of immediate MDT configuration in case of Xn inter-RAT HO | R3-204115 | replied to | S5-204474 |
| S5-204028 |  | LS ccSA5 on propagation of user consent related information during Xn inter-PLMN handover | R3-204378 | noted | (none) |
| S5-204029 |  | Ls to SA5 on the translation of GSMA GST/NEST | S2-1912467 | noted | (none) |
| S5-204030 |  | Ls to SA5 on NPN network sharing | S2-2001398 | noted | (none) |
| S5-204031 |  | Ls to SA5 on CAG definition | S2-2001401 | noted | (none) |
| S5-204032 |  | Resubmitted LS ccSA5 on QoS Monitoring for URLLC | S2-2003468 | replied to | S5-204537 |
| S5-204033 |  | Reply LS ccSA5 on Application Architecture for enabling Edge Applications | S2-2004386 | noted | (none) |
| S5-204034 |  | LS to SA5 on Application Registration in relation to management aspects | S6-200949 | replied to | S5-204117 |
| S5-204035 |  | Ls to SA5 on methodology harmonization and REST-based network management framework (reply to 3GPP TSG SA5-S5-197541) | ITU-T SG2 | replied to | S5-204647 |
| S5-204036 |  | Ls cc SA5 on LS on M.resm-AI “Requirements for energy saving management of 5G RAN system with AI” | ITU-T SG2 | replied to | S5-204516 |
| S5-204037 |  | Resubmitted Ls to SA5 on 3GPP Cooperation on Management Services | O-RAN | postponed | (none) |
| S5-204038 |  | Liaison from ISG ZSM to IETF ccSA5 for TN coordination | ETSI ISG ZSM | noted | (none) |
| S5-204039 |  | Ls to SA5 on Publication of major ZSM specifications | ETSI ISG ZSM | replied to | S5-204514 |
| S5-204432 |  | LS to SA5 on Completion of WT-456 and WT-470 | BBF | noted | (none) |
| S5-204438 |  | LS to SA5 on introduction of TM FORUM Autonomous Network Project and Coordination Proposal | TMF | replied to | S5-204550 |

### C2: Outgoing liaison statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document | Title | To | Cc | reply to i/c LS |
| S5-204117 | LS reply to SA6 on application registration in relation to mgmt aspects | SA6 | SA2 | S5-204034 |
| S5-204407 | LS to SA3 for new WID for access control of management service | SA3 | - |  |
| S5-204440 | Reply to: Liaison to 3GPP SA2/SA5 on mapping between ENI architecture and NWDAF/MDAF | ETSI ISG ENI | SA2 | S5-204016 |
| S5-204443 | LS to SA2 on dynamic 5Qis | SA2 | - |  |
| S5-204474 | Reply LS on limitation of Propagation of immediate MDT configuration in case of Xn inter-RAT HO | RAN3, RAN2,CT4 | - | S5-204027 |
| S5-204476 | Reply to: Ls from GSMA to SA5 on NG.116 support of different access types | GSMA 5GJA | SA2 | S5-204012 |
| S5-204514 | Reply to: Ls to SA5 on Publication of major ZSM specifications | ETSI ISG ZSM | - | S5-204039 |
| S5-204516 | LS reply to LS on M.resm-AI Requirements for energy saving management of 5G RAN system with AI | ITU-T Q5/2 | SA, RAN3, ITU-R WP 5D | S5-204036 |
| S5-204537 | Reply to: Resubmitted LS ccSA5 on QoS Monitoring for URLLC | RAN3.SA2 | RAN2 | S5-204032 |
| S5-204542 | LS reply to RAN2 on user consent for trace reporting | RAN2, RAN3, SA3 | - | - |
| S5-204550 | Reply to: LS to SA5 on introduction of TM FORUM Autonomous Network Project and Coordination Proposal | TM Forum | ETSI (AN initiative, ZSM, ENI, F5G, TC INT AFI), GSMA, NGMN, CCSA TC7 | S5-204438 |
| S5-204593 | LSout on New function for Network Slice PA and Management Charging | SA2 | CT3 |  |
| S5-204647 | Reply to: Ls to SA5 on methodology harmonization and REST-based network management framework (reply to 3GPP TSG SA5-S5-197541) | ITU-T SG2 | - | S5-204035 |
| S5-204669 | Reply to: Ls to SA5 on Support for Streaming Based MDT and Trace report | RAN3 | - | S5-204026 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Title | Source | new/revised |
| S5-204517 | New WID for access control of management service | Nokia, Nokia Shanghai Bell | SID new |
| S5-204519 | New SID on YANG PUSH notifications | Ericsson | SID new |
| S5-204546 | New SID on network slice management enhancement to include security aspects | Nokia, Nokia Shanghai Bell | SID new |
| S5-204591 | New SID Study on charging aspects of Proximity-based Services in 5GC | CATT | SID new |
| S5-204657 | New SID on charging aspects for 5GS CIOT | Huawei | SID new |
| S5-204592 | New WID on N40 Interface Enhancements to Support GERAN and UTRAN | China Mobile Com. Corporation | WID new |
| S5-204607 | New WID on charging enhancement for URLLC | Huawei | WID new |
| S5-204477 | Revised WID SON\_5G | Intel | WID revised |
| S5-204652 | 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 |
| S5-204041 | 28.811 | 0.0.0 | 28.811 skeleton |
| S5-204084 | 28.100 | 0.0.0 | draft TS 28100-000 |
| S5-204103 | 28.814 | 0.0.0 | draft TR 28.814 |
| S5-204104 | 28.814 | 0.0.0 | pCR 28.814 skeleton |
| S5-204441 | 28.555 | 0.0.0 | draft TS 28.555 v000 |
| S5-204442 | 28.556 | 0.0.0 | Initial draft TS 28.556 v000 |
| S5-204495 | 28.814 | 0.0.0 | pCR 28.814 skeleton |
| S5-204506 | 28.809 | 0.5.0 | Latest draft TR 28.809 |
| S5-204507 | 28.810 | 1.1.0 | Latest draft TR 28.810 |
| S5-204508 | 28.100 | 0.1.0 | Latest draft TS 28.100 |
| S5-204509 | 28.811 | 0.1.0 | Latest draft TR 28.811 |
| S5-204510 | 28.813 | 0.2.0 | Latest draft TR 28.813 |
| S5-204603 | 28.201 | 1.1.0 | Draft TS 28.201 |
| S5-204613 | 28.202 | 1.1.0 | draft TS 28.202 |
| S5-204645 | 28.815 | 0.1.0 | Draft TR 28.815 |
| S5-204656 | 28.313 | 0.6.0 | Latest draft TS 28.313 |
| S5-204658 | 28.555 | 0.1.0 | Latest draft TS 28.555 |
| S5-204660 | 28.312 | 0.1.0 | Draft TS 28.312 |
| S5-204661 | 28.808 | 0.6.0 | Draft TR 28.808 |
| S5-204662 | 28.814 | 0.1.0 | Draft TR 28.814 |
| S5-204667 | 28.557 | 0.1.0 | Draft TS 28.557 |
| S5-204670 | 28.309 | 0.1.0 | Draft TS 28.309 |

## Annex F: List of participants

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TITLE | Family Name | Given Name | Employer Organization | Organization Represented |
| Dr. | Al-kanani | Hassan | NEC Europe Ltd | NEC Europe Ltd |
| Mr. | Andrianov | Anatoly | Nokia Germany | Nokia |
| Mr. | Aoyagi | Kenichiro | NTT DOCOMO INC. | NTT DOCOMO INC. |
| Mrs. | Ayani | Zhulia | Ericsson LM | Oy LM Ericsson AB |
| Mr. | Braam | Sjors | TNO | KPN N.V. |
| Mr. | Cano Soveri | Mirko | ETSI | ETSI |
| Miss | Cao | Jiuyue | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Mr. | Cao | Xi | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Dr. | Cao | Xi | China Mobile Com. Corporation |
| Ms. | Chen | Na | China Telecommunications | China Telecomunication Corp. |
| Miss | CHEN | SHAN | Huawei Tech.(UK) Co., Ltd | HiSilicon Technologies Co. Ltd |
| Mr. | Chen | XianSong | Huawei Technologies France | HuaWei Technologies Co., Ltd |
| Miss | Chen | Xiumin | China Telecommunications | China Telecom Corporation Ltd. |
| Dr. | Choi | Taesang | ETRI | ETRI |
| Mr. | Chou | Joey | Intel Corporation (UK) Ltd | Intel Corporation (UK) Ltd |
| Dr. | Cornily | Jean Michel | Orange | Orange Romania |
| Ms. | Deng | Lingli | China Mobile Com. Corporation |
| 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 Polska |
| Mr. | Gao | Xiao-Ming | Ericsson LM | Ericsson LM |
| Mrs. | Gardella | Maryse | Nokia France | Nokia Belgium |
| Mr. | Gautam | Deepanshu | Samsung R&D Institute UK | Samsung Electronics Benelux BV |
| Mr. | Glozman | Borislav | Amdocs Software Systems Ltd | Amdocs Software Systems Ltd |
| Mr. | Görmer | Gerald | Matrixx | Matrixx |
| Mr. | Groenendijk | Jan | Ericsson LM | Ericsson LM |
| Miss | Guo | Chuyi | China Mobile Com. Corporation |
| Miss | Guo | Shasha | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Mr. | Gupta | Nishant | Samsung Electronics Co., Ltd | Samsung Electronics Romania |
| Mrs. | Han | Yulian | HUAWEI TECHNOLOGIES Co. Ltd. | HUAWEI Technologies Japan K.K. |
| Mr. | Harper | Colby | Pivotal Commware | Pivotal Commware |
| Mr. | Hassett | Brendan | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies Sweden AB |
| Mr. | He | Rui | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Telecommunication India |
| 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) |
| Dr. | Lagha | Naceur | Amdocs Software Systems Ltd | Amdocs Software Systems Ltd |
| Mr. | Lengyel | Balazs | Ericsson Hungary Ltd | Ericsson Hungary Ltd |
| Mr. | Li | Gang | Nanjing Ericsson Panda Com Ltd | Nanjing Ericsson Panda Com Ltd |
| Miss | Li | Li | HuaWei Technologies Co., Ltd | Huawei Device Co., Ltd |
| Mr. | Li | Shitao | Huawei Tech.(UK) Co., Ltd | HUAWEI TECH. GmbH |
| Mr. | Liang | Shuangchun | China Mobile Com. Corporation |
| Mr. | Libunao | Gerardo | Verizon UK Ltd | Verizon UK Ltd |
| Mr. | Lindblad | Jan | Cisco Systems Belgium | Cisco Systems Belgium |
| Mr. | Malashnyak | Volodymyr | Ericsson LM | Ericsson LM |
| Mr. | McNamee | Alan | Openet Telecom | Openet Telecom |
| 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 Solutions & Networks (I) |
| Mr. | PINTO | BARUCH | Allot Ltd | Allot Ltd |
| Mr. | Potter | Benjamin | AT&T GNS Belgium SPRL | AT&T GNS Belgium SPRL |
| Ms. | Rajendran | Rohini | Samsung R&D Institute India | Samsung Electronics GmbH |
| Mr. | Ram | Vishnu | TSDSI | TSDSI |
| Dr. | Samdanis | Konstantinos | Nokia Germany | Nokia Germany |
| Mr. | Scott | Mark | Ericsson LM | Ericsson LM |
| Mrs. | Shi | xiaoli | HUAWEI TECHNOLOGIES Co. Ltd. | HUAWEI TECHNOLOGIES Co. Ltd. |
| Ms. | Shi | Xiaonan | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Mr. | Shu | Min | CATT | CATT |
| Mr. | Smith | David K. | AT&T GNS Belgium SPRL | AT&T GNS Belgium SPRL |
| Mr. | Sofuoglu | Serkan | P.I. WORKS | P.I. WORKS |
| Prof. | Song | Liang | Fudan University | Fudan University |
| Miss | Sun | Xiaowen | China Mobile Com. Corporation |
| Mr. | Tiwari | Kundan | Samsung R&D Institute India | Samsung Electronics Iberia SA |
| Mr. | Törnkvist | Robert | Ericsson LM | Ericsson LM |
| Mr. | Vaishnavi | Ishan | Lenovo (Beijing) Ltd | Lenovo (Beijing) Ltd |
| Mr. | WANG | CHEN | China Mobile Com. Corporation |
| Mr. | Wang | Haocheng | BUPT | BUPT |
| Ms. | Weaver | Farni | T-Mobile USA | T-Mobile USA |
| Mr. | wu | siyao | CMDI | China Mobile Com. Corporation |
| Mr. | Xiang | Li | 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 Finland Oy |
| Mr. | Zadeh | Bagher | Ericsson LM | Ericsson LM |
| Miss | Zhang | Jiachen | China Mobile Com. Corporation |
| 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. | Zhao | Song | China Telecomunication Corp. | China Telecomunication Corp. |
| Mr. | Zhu | Lei | Huawei Tech.(UK) Co., Ltd | Huawei Tech.(UK) Co., Ltd |
| Mr. | Zhu | Weihong | ZTE Corporation | ZTE Corporation |
| Ms. | Zou | Lan | Huawei Tech.(UK) Co., Ltd | Huawei Technologies (Korea) |

## Annex G: List of future meetings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Title | Start date | End date (OP) | Town | Country | Reference |
| SA5#134e | 2020-11-16 | 2020-11-25 | Online |  | S5-134e |
|  |  |  |  |  |  |
|  |  |  |  |  |  |