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

**Meeting Report  
for  
TSG SA WG5  
meeting: 134e**

**electronic meeting, Online, 16/11/2020 to 25/11/2020**

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## 1 Opening of the meeting

## 2 Approval of the agenda

**S5-206000 Agenda**

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

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

## 3 IPR and legal declaration

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

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

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

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

## 4 Meetings and activities reports

### 4.1 Last SA5 meeting report

**S5-206001 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

**S5-206002 e-meeting process**

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

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

**S5-206003 Post e-meeting email approval status**

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

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

**S5-206011 SA5 working procedures**

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

**Decision:** The document was **revised to S5-206300**.

**S5-206300 SA5 working procedures**

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

(Replaces S5-206011)

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

**S5-206012 Process for management of draft TS-TRs**

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

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

**S5-206281 SA5 ToR update**

*Type: ToR For: Approval  
 Source: Ericsson LM*

**Abstract:**

Revised to follow new template

**Decision:** The document was **revised to S5-206301**.

**S5-206301 SA5 ToR update**

*Type: ToR For: Approval  
 Source: Ericsson LM*

(Replaces S5-206281)

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

### 5.2 Technical issues at SA5 level

### 5.3 Liaison statements at SA5 level

**S5-206015 Resubmitted LS on Counter of UEs Registering Network Slice**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C4-204421*

**Decision:** The document was **replied to in S5-206298**.

**S5-206298 Reply to: Resubmitted LS on Counter of UEs Registering Network Slice**

*Type: LS out For: approval  
 to CT4,SA2, cc CT1  
 Source: China mobile*

(Replaces S5-206148)

**Decision:** The document was **revised to S5-206346**.

**S5-206346 Reply to: Resubmitted LS on Counter of UEs Registering Network Slice**

*Type: LS out For: approval  
 to CT4,SA2, cc CT1  
 Source: China mobile*

(Replaces S5-206298)

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

**S5-206016 LS ccSA5 on response to TCCA on Public Safety**

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

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

**S5-206017 LS to SA5 on Meeting minutes of Cross SDO Collaboration Workshop on Autonomous Networks & access to workshop materials**

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

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

**S5-206021 LS to SA5 on Slice information collection**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2008034*

**Decision:** The document was **replied to in S5-206299**.

**S5-206022 Reply LS to SA5 on Counter of UEs Registering Network Slice**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2008238*

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

**S5-206039 Reply LS on Slice Information collection**

*Type: LS out For: Agreement  
 to SA2  
 Source: Samsung Electronics France SA*

**Abstract:**

Reply LS on Slice Information collection

**Decision:** The document was **revised to S5-206299**.

**S5-206299 Reply LS on Slice Information collection**

*Type: LS out For: Agreement  
 to SA2  
 Source: Samsung Electronics France SA*

(Replaces S5-206039)

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

**S5-206148 Reply LS on Counter of UEs Registering Network Slice**

*Type: LS out For: (not specified)  
 to 3GPP CT4, SA2, cc 3GPP CT1  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-206298**.

### 5.4 SA5 meeting calendar

**S5-206010 SA5 meeting calendar**

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

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

**S5-206282 SA5 meeting calendar**

*Type: other For: Discussion  
 Source: Ericsson LM*

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

## 6 OAM&P

### 6.1 OAM&P Plenary

**S5-206004 OAM&P action list**

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

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

**S5-206005 agenda\_with\_Tdocs\_sequence\_proposal\_OAM**

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

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

**S5-206006 OAM Exec Report**

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

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

**S5-206007 OAM Chair notes and conclusions**

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

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

**S5-206013 List of DraftCR input and output**

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

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

**S5-206014 Resubmitted LS on O-RAN – 3GPP Cooperation on Management Services**

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

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

**S5-206018 Reply LS to SA5 on dynamic 5QIs**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2006930*

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

**S5-206019 LS ccSA5 on Clarification on URLLC QoS Monitoring**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2007825*

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

**S5-206023 Reply LS ccSA5 on SA WG2 assumptions from conclusion of study on architecture aspects for using satellite access in 5G**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2008307*

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

**S5-206024 Reply to S5- 204407 on study items for security on management aspect**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S3-202688*

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

**S5-206071 Collection of useful endorsed document and external communication documents**

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

(Replaces S5-205062)

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

**S5-206186 LS to SA5 on policy models work in ETSI ISG NFV**

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

**Decision:** The document was **replied to in S5-206286**.

**S5-206286 Reply to: LS to SA5 on policy models work in ETSI ISG NFV**

*Type: LS out For: approval  
 to ETSI ISG NFV, cc ETSI ISG ZSM, ETSI ISG ENI, ONAP, ETSI OSM  
 Source: China Mobile*

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

**S5-206257 Discussion paper on SA5 Requirements and Use Case template**

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

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

**S5-206280 Reply LS ccSA5 on SA WG2 assumptions from conclusion of study on architecture aspects for using satellite access in 5G**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-207062*

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

**S5-206287 Reply LS on the user consent for trace reporting**

*Type: LS in For: discussion  
 Original outgoing LS: -, to -, cc -  
 Source: R2-2010894*

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

**S5-206288 LS on PCI conflict detection and reassignment**

*Type: LS in For: discussion  
 Original outgoing LS: -, to -, cc -  
 Source: R3-206979*

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

**S5-206289 Reply LS on on energy efficiency**

*Type: LS in For: discussion  
 Original outgoing LS: -, to -, cc -  
 Source: R3-207014*

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

**S5-206290 Reply LS on QoS Monitoring for URLLC**

*Type: LS in For: discussion  
 Original outgoing LS: -, to -, cc -  
 Source: R3-207177*

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

**S5-206291 LS on Framework for QoE Measurement Collection**

*Type: LS in For: discussion  
 Original outgoing LS: -, to -, cc -  
 Source: R3-207189*

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

**S5-206292 LS to SA5 on MDT Stage 2 and Stage 3 alignment**

*Type: LS in For: discussion  
 Original outgoing LS: -, to -, cc -  
 Source: R3-207222*

**Decision:** The document was **replied to in S5-206297**.

**S5-206297 Reply to: LS to SA5 on MDT Stage 2 and Stage 3 alignment**

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

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

**S5-206293 Reply LS on URI for streaming trace reporting in LTE**

*Type: LS in For: discussion  
 Original outgoing LS: -, to -, cc -  
 Source: R3-207232*

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

**S5-206294 Response to LS Reply on Enhancement of RAN Slicing**

*Type: LS in For: discussion  
 Original outgoing LS: -, to -, cc -  
 Source: R3-207236*

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

**S5-206351 Presentation sheet for TR28.808**

*Type: TS or TR cover For: Approval  
 28.808 v..  
 Source: TNO*

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

### 6.2 New OAM&P Work Item proposals

**S5-206043 New WID for Management Aspects of 5G Network Sharing**

*Type: WID new For: Approval  
 Source: China Unicom*

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

**S5-206044 New WID for Management Aspects of 5G Network Sharing**

*Type: WID new For: Approval  
 Source: China Unicom*

**Decision:** The document was **revised to S5-206304**.

**S5-206304 New WID for Management Aspects of 5G Network Sharing**

*Type: WID new For: Approval  
 Source: China Unicom*

(Replaces S5-206044)

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

**S5-206069 YANG NRM for Network Slicing**

*Type: WID new For: Endorsement  
 Source: Cisco Systems Belgium*

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

**S5-206074 GPB for File based Trace Format in 5G**

*Type: WID new For: Agreement  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-206302**.

**S5-206302 GPB for File based Trace Format in 5G**

*Type: WID new For: Agreement  
 Source: Ericsson LM*

(Replaces S5-206074)

**Discussion:**

Noted due to the lack of minimum supporting companies (4).

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

**S5-206076 Add GPB trace record for file based support**

*Type: CR For: Approval  
 32.423 v16.2.0 CR-0119 Cat: C (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-206303**.

**S5-206303 Add GPB trace record for file based support**

*Type: CR For: Approval  
 32.423 v16.2.0 CR-0119 rev 1 Cat: C (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-206076)

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

**S5-206273 New SID on CI-CD support for network slicing**

*Type: SID new For: (not specified)  
 Source: Lenovo Mobile Com. Technology*

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

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

**S5-206031 Move and update content of clause 4.1.1 to 28.535**

*Type: CR For: Approval  
 28.536 v16.1.0 CR-0010 rev 2 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Deutsche Telekom, NEC*

(Replaces S5-205397)

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

**S5-206032 Add description of Communication service assurance service coming from 28.536**

*Type: CR For: Approval  
 28.535 v16.1.0 CR-0013 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Deutsche Telekom, NEC*

**Decision:** The document was **revised to S5-206320**.

**S5-206320 Add description of Communication service assurance service coming from 28.536**

*Type: CR For: Approval  
 28.535 v16.1.0 CR-0013 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Deutsche Telekom, NEC*

(Replaces S5-206032)

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

**S5-206034 Correction of NRM YANG errors**

*Type: CR For: Approval  
 28.541 v16.6.1 CR-0409 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-206308**.

**S5-206308 Correction of NRM YANG errors**

*Type: CR For: Approval  
 28.541 v16.6.1 CR-0409 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

(Replaces S5-206034)

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

**S5-206035 Correction of NRM YANG errors**

*Type: CR For: Approval  
 28.541 v17.0.1 CR-0410 Cat: A (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-206309**.

**S5-206309 Correction of NRM YANG errors**

*Type: CR For: Approval  
 28.541 v17.0.1 CR-0410 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

(Replaces S5-206035)

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

**S5-206036 YANG improvements**

*Type: CR For: Approval  
 28.541 v16.6.1 CR-0411 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-206037 YANG improvements**

*Type: CR For: Approval  
 28.541 v17.0.1 CR-0412 Cat: A (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-206045 Add Annex on state management**

*Type: CR For: Approval  
 28.536 v16.1.0 CR-0013 Cat: F (Rel-16)  
  
 Source: Ericsson, Deutsche Telekom*

**Decision:** The document was **revised to S5-206325**.

**S5-206325 Add Annex on state management**

*Type: CR For: Approval  
 28.536 v16.1.0 CR-0013 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson, Deutsche Telekom*

(Replaces S5-206045)

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

**S5-206046 Add serviceProfileId and sliceProfileId to stage 3 yaml**

*Type: CR For: Approval  
 28.541 v16.6.1 CR-0413 Cat: F (Rel-16)  
  
 Source: Ericsson, Deutsche Telekom*

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

**S5-206049 draft CR Implement Assurance Closed Loop model changes**

*Type: other For: Approval  
 28.536 v..  
 Source: Ericsson, Deutsche Telekom*

**Decision:** The document was **revised to S5-206333**.

**S5-206333 draft CR Implement Assurance Closed Loop model changes**

*Type: draftCR For: Approval  
 28.536 v16.1.0  
 Source: Ericsson, Deutsche Telekom*

(Replaces S5-206049)

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

**S5-206334 Rel-16 CR TS 28.536 Implement Assurance Closed Loop model changes**

*Type: CR For: Approval  
 28.536 v16.1.0 CR-0016 Cat: F (Rel-16)  
  
 Source: Ericsson, Deutsche Telekom*

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

**S5-206050 Rel-17 CR 32.425 addition of SINR measurement**

*Type: CR For: Approval  
 32.425 v16.5.0 CR-0200 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

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

**S5-206051 Update figure and description of Communication service assurance service**

*Type: CR For: Approval  
 28.535 v16.1.0 CR-0014 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Deutsche Telekom, NEC*

**Decision:** The document was **revised to S5-206321**.

**S5-206321 Update figure and description of Communication service assurance service**

*Type: CR For: Approval  
 28.535 v16.1.0 CR-0014 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Deutsche Telekom, NEC*

(Replaces S5-206051)

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

**S5-206052 Rel-16 CR 28.313 Correct Distributed PCI optimization**

*Type: CR For: Approval  
 28.313 v16.0.0 CR-0007 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson France S.A.S*

(Replaces S5-205141)

**Decision:** The document was **revised to S5-206316**.

**S5-206316 Rel-17 CR 28.313 Correct Distributed PCI optimization**

*Type: CR For: Approval  
 28.313 v16.0.0 CR-0007 rev 2 Cat: B (Rel-17)  
  
 Source: Ericsson France S.A.S*

(Replaces S5-206052)

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

**S5-206053 Rel-16 CR 28.536 Observation of closed loop assurance loop**

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

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

**S5-206054 Rel-16 CR 28.536 Clarify valid values for AssuranceTarget**

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

**Decision:** The document was **revised to S5-206324**.

**S5-206324 Input to draft CR 28.536 Clarify valid values for AssuranceTarget**

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

(Replaces S5-206054)

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

**S5-206067 Rel-16 CR 28.541 Move Distributed PCI control IOC from DU to CU**

*Type: CR For: Approval  
 28.541 v16.6.1 CR-0385 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson France S.A.S*

(Replaces S5-205142)

**Decision:** The document was **revised to S5-206310**.

**S5-206310 Rel-16 CR 28.541 Move Distributed PCI control IOC from DU to CU**

*Type: CR For: Approval  
 28.541 v16.6.1 CR-0385 rev 2 Cat: F (Rel-16)  
  
 Source: Ericsson France S.A.S*

(Replaces S5-206067)

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

**S5-206068 Rel-17 CR 28.541 Move Distributed PCI control IOC from DU to CU**

*Type: CR For: Approval  
 28.541 v17.0.1 CR-0386 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson France S.A.S*

(Replaces S5-205143)

**Decision:** The document was **revised to S5-206311**.

**S5-206311 Rel-17 CR 28.541 Move Distributed PCI control IOC from DU to CU**

*Type: CR For: Approval  
 28.541 v17.0.1 CR-0386 rev 2 Cat: F (Rel-17)  
  
 Source: Ericsson France S.A.S*

(Replaces S5-206068)

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

**S5-206070 Rel-16 CR 28.532 Fix inconsistencies in guidelines for integration with ONAP VES**

*Type: CR For: Approval  
 28.532 v16.5.2 CR-0160 Cat: F (Rel-16)  
  
 Source: Nokia, Orange, AT&T*

**Decision:** The document was **revised to S5-206318**.

**S5-206318 Rel-16 CR 28.532 Fix inconsistencies in guidelines for integration with ONAP VES**

*Type: CR For: Approval  
 28.532 v16.5.2 CR-0160 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Orange, AT&T*

(Replaces S5-206070)

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

**S5-206072 Rel-16 CR TS 28.532 Update generic streaming MnS**

*Type: CR For: Agreement  
 28.532 v16.5.2 CR-0149 rev 2 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-205386)

**Abstract:**

Revison of S5-205386 to align with S5-205391 agreed in SA5#133emeeting

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

**S5-206073 Rel-16 CR TS 28.550 Update attribute measType used in Annex C**

*Type: CR For: Agreement  
 28.550 v16.6.0 CR-0065 Cat: F (Rel-16)  
  
 Source: HUAWEI Technologies Japan K.K.*

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

**S5-206075 Add serviceProfileId and sliceProfileId to stage 3 yaml**

*Type: CR For: Approval  
 28.541 v17.0.1 CR-0414 Cat: A (Rel-17)  
  
 Source: Ericsson, Deutsche Telekom*

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

**S5-206077 Rel-16 CR 28.552 Add PCI related measurement**

*Type: CR For: Approval  
 28.552 v16.7.0 CR-0273 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-206078 Rel-16 CR 28.313 Correct the PCI notifications**

*Type: CR For: Approval  
 28.313 v16.0.0 CR-0008 Cat: F (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-206079 Rel-16 CR 28.541 Add stage 2 solution for PCI notification attributes**

*Type: CR For: Approval  
 28.313 v16.0.0 CR-0009 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-206080 Rel-16 CR 28.541 Add stage 2 solution for PCI notification attributes**

*Type: CR For: Approval  
 28.541 v16.6.1 CR-0415 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-206081 Rel-16 CR 28.541 Add stage 3 solution for PCI notification attributes**

*Type: CR For: Approval  
 28.541 v16.6.1 CR-0416 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-206095 Rel-16 CR TS 28.622 Correct the attributes description of the IOCs inherited from Top and Top\_**

*Type: CR For: Agreement  
 28.622 v16.5.0 CR-0093 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

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

**S5-206131 Addition of MO SMS mesurements for SMSF**

*Type: CR For: Approval  
 28.552 v16.7.0 CR-0274 Cat: F (Rel-16)  
  
 Source: China Mobile Com. Corporation*

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

**S5-206132 Addition of Registration mesurements for SMSF**

*Type: CR For: Approval  
 28.552 v16.7.0 CR-0275 Cat: F (Rel-16)  
  
 Source: China Mobile Com. Corporation*

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

**S5-206133 Rel-16 CR 28.552 Correction of paging measurements**

*Type: CR For: Approval  
 28.552 v16.7.0 CR-0276 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-206306**.

**S5-206306 Rel-16 CR 28.552 Correction of paging measurements**

*Type: CR For: Approval  
 28.552 v16.7.0 CR-0276 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

(Replaces S5-206133)

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

**S5-206134 Rel-16 CR 28.552 Add missing paging discard measurements**

*Type: CR For: Approval  
 28.552 v16.7.0 CR-0277 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-206135 Rel-17 CR 28.552 Correction of paging measurements**

*Type: CR For: Approval  
 28.552 v17.0.0 CR-0278 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-206307**.

**S5-206307 Rel-17 CR 28.552 Correction of paging measurements**

*Type: CR For: Approval  
 28.552 v17.0.0 CR-0278 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-206135)

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

**S5-206136 Rel-17 CR 28.552 Add missing paging discard measurements**

*Type: CR For: Approval  
 28.552 v17.0.0 CR-0279 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-206137 Rel-16 CR TS 28.552 Correct measurements related to QoS Flow release and DRB release**

*Type: CR For: Approval  
 28.552 v16.7.0 CR-0280 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-206138 Rel-16 CR 28.554 Correction and alignment of Retainability KPIs definitions**

*Type: CR For: Approval  
 28.554 v16.6.0 CR-0066 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-206140 Rel-16 CR 28.554 Add missing KPI for inter system Handover success rate**

*Type: CR For: Approval  
 28.554 v16.6.0 CR-0067 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-206141 Rel-17 CR TS 28.552 Correct measurements related to QoS Flow release and DRB release**

*Type: CR For: Approval  
 28.552 v17.0.0 CR-0281 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-206142 Rel-17 CR 28.554 Correction and alignment of Retainability KPIs definitions**

*Type: CR For: Approval  
 28.554 v17.0.0 CR-0068 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-206143 Rel-17 CR 28.554 Add missing KPI for inter system Handover success rate**

*Type: CR For: Approval  
 28.554 v17.0.0 CR-0069 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-206149 Delete the KPI of Registered subscribers of network and network slice through UDM**

*Type: CR For: (not specified)  
 28.554 v16.6.0 CR-0070 Cat: F (Rel-16)  
  
 Source: China Mobile Com. Corporation*

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

**S5-206157 Rel-16 CR 28.532 Correct small errors in the Fault MnS (REST SS)**

*Type: CR For: Approval  
 28.532 v16.5.2 CR-0161 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-206319**.

**S5-206319 Rel-16 CR 28.532 Correct small errors in the Fault MnS (REST SS)**

*Type: CR For: Approval  
 28.532 v16.5.2 CR-0161 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-206157)

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

**S5-206160 Rel-16 CR 28.532 Align ProvMnS data type names to UpperCamel (REST SS, OpenAPI definition)**

*Type: CR For: Approval  
 28.532 v16.5.2 CR-0162 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-206162 Rel-16 CR 28.623 Correct and add types in comDefs.yaml (OpenAPI definition)**

*Type: CR For: Approval  
 28.623 v16.5.0 CR-0115 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-206328**.

**S5-206328 Rel-16 CR 28.623 Correct and add types in comDefs.yaml (OpenAPI definition)**

*Type: CR For: Approval  
 28.623 v16.5.0 CR-0115 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-206162)

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

**S5-206164 Rel-16 CR 28.623 Correct validation errors in genericNrm.yaml (OpenAPI definition)**

*Type: CR For: (not specified)  
 28.623 v16.5.0 CR-0116 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-206165 Rel-16 CR 32.158 Correct REST SS specification template**

*Type: CR For: Approval  
 32.158 v16.1.0 CR-0016 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-206169 Rel-16 CR TS 28.535 Add lifecycle management of control loops**

*Type: CR For: Agreement  
 28.535 v16.1.0 CR-0016 Cat: F (Rel-16)  
  
 Source: Huawei Technologies Japan K.K.*

**Abstract:**

Added high level description for Lifecycle management of control loop

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

**S5-206322 Rel-16 input draftCR TS 28.535 Add lifecycle management of control loops**

*Type: other For: Agreement  
 28.535 v16.1.0  
 Source: Huawei Technologies Japan K.K.*

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

**S5-206181 Rel-16 CR TS 28.535 Update open control loops**

*Type: CR For: Agreement  
 28.535 v16.1.0 CR-0017 Cat: F (Rel-16)  
  
 Source: Huawei Technologies Japan K.K.*

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

**S5-206183 Rel-16 CR TS 28.536 Update SLS Assurance Procedure**

*Type: CR For: Agreement  
 28.536 v16.1.0 CR-0014 Cat: F (Rel-16)  
  
 Source: Huawei Technologies Japan K.K.*

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

**S5-206184 Rel-16 CR TS 28.530 Add the chapter of high level features**

*Type: CR For: Agreement  
 28.530 v16.3.0 CR-0036 Cat: F (Rel-16)  
  
 Source: Huawei Telecommunication India*

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

**S5-206185 Rel-16 CR TS 28.536 Update coslaNrm\_yml**

*Type: CR For: Agreement  
 28.536 v16.1.0 CR-0015 Cat: F (Rel-16)  
  
 Source: Huawei Technologies Japan K.K.*

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

**S5-206187 Rel-16 CR TS 28.530 add requirements of closed loop SLS assurance**

*Type: CR For: Agreement  
 28.530 v16.3.0 CR-0037 Cat: F (Rel-16)  
  
 Source: Huawei Telecommunication India*

**Abstract:**

Add requirements of closed loop SLS assurance

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

**S5-206317 Input to draftCR TS 28.530 add requirements of closed loop SLS assurance**

*Type: other For: Agreement  
 28.530 v17.0.0  
 Source: Huawei Telecommunication India*

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

**S5-206188 Rel-16 CR TS 28.533 Add example of closed loop SLS assurance**

*Type: CR For: Agreement  
 28.533 v16.5.1 CR-0075 Cat: F (Rel-16)  
  
 Source: Huawei Telecommunication India*

**Decision:** The document was **revised to S5-206330**.

**S5-206330 Rel-16 CR TS 28.533 Add example of closed loop SLS assurance**

*Type: CR For: Agreement  
 28.533 v16.5.1 CR-0075 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei Telecommunication India*

(Replaces S5-206188)

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

**S5-206202 Rel-16 CR 28.532 Extend object creation method with id selection by the MnS producer (stage 2)**

*Type: CR For: Approval  
 28.532 v16.5.2 CR-0151 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-205157)

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

**S5-206203 Rel-16 CR 28.532 Extend object creation method with id selection by the MnS producer (REST SS, OpenAPI definition)**

*Type: CR For: Approval  
 28.532 v16.5.2 CR-0159 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-205269)

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

**S5-206221 Rel-16 CR 28.310 Correction on general descriptions of centralized energy saving activation and deactivation**

*Type: CR For: Approval  
 28.310 v16.2.0 CR-0003 Cat: F (Rel-16)  
  
 Source: Huawei, Orange*

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

**S5-206222 Rel-16 CR 28.310 Corrections on distributed ES solution**

*Type: CR For: Approval  
 28.310 v16.2.0 CR-0004 Cat: F (Rel-16)  
  
 Source: Huawei, Orange*

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

**S5-206223 Rel-16 CR 28.310 Correction on general descriptions of distributed energy saving activation and deactivation**

*Type: CR For: Approval  
 28.310 v16.2.0 CR-0005 Cat: F (Rel-16)  
  
 Source: Huawei, Orange*

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

**S5-206224 Discussion on AddRRMPolicyRatiointoSliceProfile**

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

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

**S5-206226 Add RRMPolicyRatiointoSliceProfile**

*Type: CR For: (not specified)  
 28.541 v16.6.1 CR-0417 Cat: F (Rel-16)  
  
 Source: China Mobile Com. Corporation*

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

**S5-206236 Correct trace target parameter for trace control in stage 3**

*Type: CR For: Approval  
 28.623 v16.5.0 CR-0117 Cat: F (Rel-16)  
  
 Source: Ericsson LM,Nokia*

**Decision:** The document was **revised to S5-206313**.

**S5-206313 Correct trace target parameter for trace control in stage 3**

*Type: CR For: Approval  
 28.623 v16.5.0 CR-0117 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM,Nokia*

(Replaces S5-206236)

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

**S5-206237 Correct 5G trace parameter for trace control**

*Type: CR For: (not specified)  
 28.622 v16.5.0 CR-0094 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Nokia*

**Decision:** The document was **revised to S5-206314**.

**S5-206314 Correct 5G trace parameter for trace control**

*Type: CR For: -  
 28.622 v16.5.0 CR-0094 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Nokia*

(Replaces S5-206237)

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

**S5-206238 Rel-16 CR TS 28.310 Remove distributed scenario from inter-RAT energy saving use case**

*Type: CR For: Approval  
 28.310 v16.2.0 CR-0007 Cat: F (Rel-16)  
  
 Source: Orange*

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

**S5-206240 Correction of reference list and adding references in the document**

*Type: CR For: Approval  
 32.103 v11.6.0 CR-0026 Cat: F (Rel-11)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-206331**.

**S5-206331 Correction of reference list and adding references in the document**

*Type: CR For: Approval  
 32.103 v11.6.0 CR-0026 rev 1 Cat: F (Rel-11)  
  
 Source: Ericsson LM*

(Replaces S5-206240)

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

**S5-206241 Correction of reference list and adding references in the document**

*Type: CR For: (not specified)  
 32.103 v12.2.0 CR-0027 Cat: A (Rel-12)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-206332**.

**S5-206332 Correction of reference list and adding references in the document**

*Type: CR For: -  
 32.103 v12.2.0 CR-0027 rev 1 Cat: A (Rel-12)  
  
 Source: Ericsson LM*

(Replaces S5-206241)

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

**S5-206242 Correction of reference in the document**

*Type: CR For: (not specified)  
 32.103 v13.1.0 CR-0028 Cat: A (Rel-13)  
  
 Source: Ericsson LM*

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

**S5-206243 Correction of reference in the document**

*Type: CR For: (not specified)  
 32.103 v14.2.0 CR-0029 Cat: A (Rel-14)  
  
 Source: Ericsson LM*

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

**S5-206244 Correction of reference in the document**

*Type: CR For: (not specified)  
 32.103 v15.2.0 CR-0030 Cat: A (Rel-15)  
  
 Source: Ericsson LM*

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

**S5-206245 Correction of reference in the document**

*Type: CR For: (not specified)  
 32.103 v16.1.0 CR-0031 Cat: A (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-206256 Rel-16 28.541 Proposal on clarification of ServiceProfile representations**

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

**Decision:** The document was **revised to S5-206329**.

**S5-206329 Rel-16 28.541 Proposal on clarification of ServiceProfile representations**

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

(Replaces S5-206256)

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

**S5-206259 Remove incorrect S-NSSAI definition from YANG SS**

*Type: CR For: Approval  
 28.623 v16.5.0 CR-0118 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-206315**.

**S5-206315 Remove incorrect S-NSSAI definition from YANG SS**

*Type: CR For: Approval  
 28.623 v16.5.0 CR-0118 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

(Replaces S5-206259)

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

**S5-206260 Fix incorrect reference in notification template.**

*Type: CR For: Approval  
 32.160 v16.3.0 CR-0011 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Abstract:**

Update to an incorrect reference in the template.

**Decision:** The document was **revised to S5-206305**.

**S5-206305 Fix incorrect reference in notification template.**

*Type: CR For: Approval  
 32.160 v16.3.0 CR-0011 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

(Replaces S5-206260)

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

**S5-206262 Update notifyThresholdCrossing to be a common notification.**

*Type: CR For: Approval  
 32.160 v16.3.0 CR-0012 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Abstract:**

Add threshold crossing notifications to the template.

**Decision:** The document was **revised to S5-206312**.

**S5-206312 Update notifyThresholdCrossing to be a common notification.**

*Type: CR For: Approval  
 32.160 v16.3.0 CR-0012 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

(Replaces S5-206262)

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

**S5-206265 Update notifyThresholdCrossing to be a common notification.**

*Type: CR For: Approval  
 28.622 v16.5.0 CR-0095 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Abstract:**

Update to use the common threshold crossing notification.

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

**S5-206266 Update notifyThresholdCrossing to be a common notification.**

*Type: CR For: Approval  
 28.541 v16.6.1 CR-0418 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Abstract:**

Updates to use the common threshold crossing notification.

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

**S5-206268 Update notifyThresholdCrossing to be a common notification.**

*Type: CR For: Approval  
 28.541 v17.0.1 CR-0419 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

**Abstract:**

Update threshold crossing to use the common notification.

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

**S5-206270 pLMNInfoList faulty attribute definition**

*Type: CR For: Approval  
 28.541 v16.6.1 CR-0420 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-206271 pLMNInfoList faulty attribute definition**

*Type: CR For: Approval  
 28.541 v17.0.1 CR-0421 Cat: A (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-206284 Rel-16 CR 28.541 Fix OpenAPI compilation errors in NRM**

*Type: CR For: Agreement  
 28.541 v16.6.2 CR-0422 Cat: F (Rel-16)  
  
 Source: Nokia*

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

**S5-206285 Rel-17 CR 28.541 Fix OpenAPI compilation errors in NRM**

*Type: CR For: Agreement  
 28.541 v17.0.1 CR-0423 Cat: A (Rel-17)  
  
 Source: Nokia*

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

**S5-206295 Rel-16 CR 28.541 CR fix containment relationship for EP\_Transport IOC**

*Type: CR For: Agreement  
 28.541 v16.6.1 CR-0424 Cat: F (Rel-16)  
  
 Source: Nokia*

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

**S5-206296 Rel-17 CR 28.541 CR fix containment relationship for EP\_Transport IOC**

*Type: CR For: Agreement  
 28.541 v17.0.1 CR-0425 Cat: A (Rel-17)  
  
 Source: Nokia*

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

**S5-206349 Draft CR TS 28.536**

*Type: draftCR For: Approval  
 28.536 v16.1.0  
 Source: Ericsson*

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

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

#### 6.4.1 Autonomous network levels

**S5-206167 Add concept of autonomous network and autonomous network level**

*Type: pCR For: Approval  
 28.100 v0.1.0  
 Source: HUAWEI,China Mobile*

**Decision:** The document was **revised to S5-206352**.

**S5-206352 Add concept of autonomous network and autonomous network level**

*Type: pCR For: Approval  
 28.100 v0.1.0  
 Source: HUAWEI,China Mobile*

(Replaces S5-206167)

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

**S5-206170 pCR TS 28.100 Add use case and requirements for coverage optimization**

*Type: pCR For: Approval  
 28.100 v0.1.0  
 Source: HUAWEI,China Mobile*

**Decision:** The document was **revised to S5-206353**.

**S5-206353 pCR TS 28.100 Add use case and requirements for coverage optimization**

*Type: pCR For: Approval  
 28.100 v0.1.0  
 Source: HUAWEI,China Mobile*

(Replaces S5-206170)

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

**S5-206176 pCR 28.100 Add Introduction**

*Type: pCR For: Approval  
 28.100 v0.1.0  
 Source: China Mobile, Huawei*

**Decision:** The document was **revised to S5-206354**.

**S5-206354 pCR 28.100 Add Introduction**

*Type: pCR For: Approval  
 28.100 v0.1.0  
 Source: China Mobile, Huawei*

(Replaces S5-206176)

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

**S5-206177 pCR 28.100 Add definition for network and service management scenario types**

*Type: pCR For: Approval  
 28.100 v0.1.0  
 Source: China Mobile, Huawei*

**Decision:** The document was **revised to S5-206355**.

**S5-206355 pCR 28.100 Add definition for network and service management scenario types**

*Type: pCR For: Approval  
 28.100 v0.1.0  
 Source: China Mobile, Huawei*

(Replaces S5-206177)

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

**S5-206178 pCR 28.100 Add dimensions for evaluating autonomous network levels**

*Type: pCR For: Approval  
 28.100 v0.1.0  
 Source: China Mobile, Huawei*

**Decision:** The document was **revised to S5-206356**.

**S5-206356 pCR 28.100 Add dimensions for evaluating autonomous network levels**

*Type: pCR For: Approval  
 28.100 v0.1.0  
 Source: China Mobile, Huawei*

(Replaces S5-206178)

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

**S5-206179 pCR 28.100 Add framework approach for evaluating autonomous network levels**

*Type: pCR For: Approval  
 28.100 v0.1.0  
 Source: China Mobile, Huawei*

**Decision:** The document was **revised to S5-206357**.

**S5-206357 pCR 28.100 Add framework approach for evaluating autonomous network levels**

*Type: pCR For: Approval  
 28.100 v0.1.0  
 Source: China Mobile, Huawei*

(Replaces S5-206179)

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

**S5-206180 pCR 28.100 Update skeleton for clause 5**

*Type: pCR For: Approval  
 28.100 v0.1.0  
 Source: China Mobile, Huawei*

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

**S5-206229 pCR 28.100 Add use case network converage planning**

*Type: pCR For: Approval  
 28.100 v0.1.0  
 Source: ZTE Corporation*

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

**S5-206342 draft TS 28.100**

*Type: draft TS For: Approval  
 28.100 v0.2.0  
 Source: China Mobile*

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

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

**S5-206047 Rel-17 CR 28.812 Modification to Figure 4.4-1**

*Type: CR For: Approval  
 28.812 v17.0.0 CR-0001 Cat: F (Rel-17)  
  
 Source: China Mobile Com. Corporation*

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

**S5-206048 Rel-17 CR 28.812 Modification to Figure 6.2-1**

*Type: CR For: Approval  
 28.812 v17.0.0 CR-0002 Cat: F (Rel-17)  
  
 Source: China Mobile Com. Corporation*

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

**S5-206214 Rel-17 CR TR28.812 Address the issues requested by EditHelp**

*Type: CR For: Agreement  
 28.812 v17.0.0 CR-0003 Cat: D (Rel-17)  
  
 Source: Huawei*

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

**S5-206215 pCR TS 28312 Update Clause 4.1.3 Intent categorizes based on management scenario types**

*Type: pCR For: Approval  
 28.312 v0.1.0  
 Source: Huawei, China Mobile*

**Decision:** The document was **revised to S5-206358**.

**S5-206358 pCR TS 28312 Update Clause 4.1.3 Intent categorizes based on management scenario types**

*Type: pCR For: Approval  
 28.312 v0.1.0  
 Source: Huawei, China Mobile*

(Replaces S5-206215)

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

**S5-206216 pCR TS 28312 Update Clause 4.1.1 Introduction**

*Type: pCR For: Approval  
 28.312 v0.1.0  
 Source: Huawei, China Mobie, Ericsson, China Unicom*

**Decision:** The document was **revised to S5-206359**.

**S5-206359 pCR TS 28312 Update Clause 4.1.1 Introduction**

*Type: pCR For: Approval  
 28.312 v0.1.0  
 Source: Huawei, China Mobie, Ericsson, China Unicom*

(Replaces S5-206216)

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

**S5-206217 pCR TS 28312 Add relation of intent driven management and policy driven management.**

*Type: pCR For: Approval  
 28.312 v0.1.0  
 Source: Huawei,Ericsson, China Mobile, China Unicom*

**Decision:** The document was **revised to S5-206360**.

**S5-206360 pCR TS 28312 Add relation of intent driven management and policy driven management.**

*Type: pCR For: Approval  
 28.312 v0.1.0  
 Source: Huawei,Ericsson, China Mobile, China Unicom*

(Replaces S5-206217)

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

**S5-206218 pCR TS 28312 Add use case and requirements for coverage optimization**

*Type: pCR For: Approval  
 28.312 v0.1.0  
 Source: Huawei, China Telecom*

**Decision:** The document was **revised to S5-206361**.

**S5-206361 pCR TS 28312 Add use case and requirements for coverage optimization**

*Type: pCR For: Approval  
 28.312 v0.1.0  
 Source: Huawei, China Telecom*

(Replaces S5-206218)

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

**S5-206219 pCR TS 28312 Add use case and requirements for RAN UE throughut optimization**

*Type: pCR For: Approval  
 28.312 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-206362**.

**S5-206362 pCR TS 28312 Add use case and requirements for RAN UE throughut optimization**

*Type: pCR For: Approval  
 28.312 v0.1.0  
 Source: Huawei*

(Replaces S5-206219)

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

**S5-206220 pCR TS 28312 Add use case and requirements for radio network deployment**

*Type: pCR For: Approval  
 28.312 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-206363**.

**S5-206363 pCR TS 28312 Add use case and requirements for radio network deployment**

*Type: pCR For: Approval  
 28.312 v0.1.0  
 Source: Huawei*

(Replaces S5-206220)

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

**S5-206341 draft TS 28.312**

*Type: draft TS For: Approval  
 28.312 v0.2.0  
 Source: Huawei*

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

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

**S5-206027 pCR 28.555 add specification level use cases**

*Type: pCR For: (not specified)  
 28.555 v1.0.1  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-206364**.

**S5-206364 pCR 28.555 add specification level use cases**

*Type: pCR For: -  
 28.555 v1.0.1  
 Source: China Mobile Com. Corporation*

(Replaces S5-206027)

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

**S5-206028 pCR 28.555 Editorial improvements**

*Type: pCR For: (not specified)  
 28.555 v1.0.1  
 Source: China Mobile Com. Corporation*

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

**S5-206029 pCR 28.556 Add skeleton**

*Type: pCR For: (not specified)  
 28.556 v0.0.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-206365**.

**S5-206365 pCR 28.556 Add skeleton**

*Type: pCR For: -  
 28.556 v0.0.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-206029)

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

**S5-206030 pCR 28.556 add scope**

*Type: pCR For: (not specified)  
 28.556 v0.0.0  
 Source: China Mobile Com. Corporation*

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

**S5-206033 Presentation of Spec 28.555 to SA for Approval**

*Type: WI status report For: (not specified)  
 Source: China Mobile Com. Corporation*

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

**S5-206339 draft TS 28.556**

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

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

**S5-206340 draft TS 28.555**

*Type: draft TS For: Approval  
 28.555 v1.1.0  
 Source: China Mobile*

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

#### 6.4.4 Enhanced Closed loop SLS Assurance

**S5-206151 Add use case of network resource usage and performance prediction assisted SLS communication service Assurance**

*Type: CR For: (not specified)  
 28.535 v16.1.0 CR-0015 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-206367**.

**S5-206367 Add use case of network resource usage and performance prediction assisted SLS communication service Assurance**

*Type: CR For: -  
 28.535 v16.1.0 CR-0015 rev 1 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-206151)

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

**S5-206173 Rel-17 draftCR TS 28.535 Add concept of closed control loop governing and monitoring**

*Type: draftCR For: Agreement  
 28.535 v16.1.0  
 Source: HUAWEI Technologies Japan K.K.*

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

**S5-206350 Rel-17 CR TS 28.535 Add concept of closed control loop governing and monitoring**

*Type: CR For: Agreement  
 28.535 v16.1.0 CR-0022 Cat: B (Rel-17)  
  
 Source: HUAWEI Technologies Japan K.K.*

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

**S5-206204 Discussion paper for coordination between control loops**

*Type: discussion For: Discussion  
 28.535 v..  
 Source: Huawei Technologies Japan K.K.*

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

**S5-206205 Rel-17 CR TS 28.535 Coordination between control loops**

*Type: draftCR For: Agreement  
 28.535 v16.1.0  
 Source: Huawei Technologies Japan K.K.*

**Decision:** The document was **revised to S5-206326**.

**S5-206326 Input to draftCR TS 28.535 Coordination between control loops**

*Type: draftCR For: Agreement  
 28.535 v16.1.0  
 Source: Huawei Technologies Japan K.K.*

(Replaces S5-206205)

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

**S5-206210 Rel-17 CR TS 28.535 Management types for control loop**

*Type: draftCR For: Approval  
 28.535 v16.1.0  
 Source: Huawei Technologies Japan K.K.*

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

**S5-206275 Rel17 CR 28.535 Add use case and req for CL execution supervision**

*Type: CR For: (not specified)  
 28.535 v16.1.0 CR-0018 Cat: B (Rel-17)  
  
 Source: Lenovo Mobile Com. Technology, Huawei*

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

**S5-206366 Rel17 Input to draftCR 28.535 Add use case and req for CL execution supervision**

*Type: other For: -  
 28.535 v16.1.0  
 Source: Lenovo Mobile Com. Technology, Huawei*

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

**S5-206276 Rel17 CR 28.535 Add use case for limiting actions of an assurance loop**

*Type: CR For: (not specified)  
 28.535 v16.1.0 CR-0019 Cat: B (Rel-17)  
  
 Source: Lenovo Mobile Com. Technology, Motorola Mobility*

**Decision:** The document was **revised to S5-206368**.

**S5-206368 Rel17 CR 28.535 Add use case for limiting actions of an assurance loop**

*Type: CR For: -  
 28.535 v16.1.0 CR-0019 rev 1 Cat: B (Rel-17)  
  
 Source: Lenovo Mobile Com. Technology, Motorola Mobility*

(Replaces S5-206276)

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

**S5-206277 Rel17 CR 28.535 Add use case for temporarily disabling NWDAF**

*Type: CR For: Approval  
 28.535 v16.1.0 CR-0020 Cat: B (Rel-17)  
  
 Source: Lenovo Mobile Com. Technology*

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

**S5-206278 Rel17 CR 28.535 Add use case for triggering assurance loop state change**

*Type: CR For: (not specified)  
 28.535 v16.1.0 CR-0021 Cat: B (Rel-17)  
  
 Source: Lenovo Mobile Com. Technology, Motorola Mobility*

**Decision:** The document was **revised to S5-206369**.

**S5-206369 Rel17 CR 28.535 Add use case for triggering assurance loop state change**

*Type: CR For: -  
 28.535 v16.1.0 CR-0021 rev 1 Cat: B (Rel-17)  
  
 Source: Lenovo Mobile Com. Technology, Motorola Mobility*

(Replaces S5-206278)

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

**S5-206345 DraftCR for 6.4.4 eCOSLA - TS 28.535**

*Type: draftCR For: Approval  
 28.535 v16.1.0  
 Source: Ericsson*

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

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

**S5-206082 Rel-17 CR 28.313 Add LBO use cases, requirements, and related information**

*Type: CR For: Approval  
 28.313 v16.0.0 CR-0010 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-206272 Rel-16 CR 28.313 Add Load Balancing Optimization Requirements and Use Case**

*Type: CR For: Approval  
 28.313 v16.0.0 CR-0011 Cat: B (Rel-16)  
  
 Source: Nokia Germany*

**Abstract:**

Add load balancing optimization requirementa and use case for 5G

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

#### 6.4.6 Enhancement of Handover Optimization

**S5-206209 Discussion paper on Management of Conditional Handover**

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

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

**S5-206212 Rel-17 CR 28.313 CHO requirements**

*Type: other For: Approval  
 28.313 v..  
 Source: Ericsson France S.A.S*

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

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

**S5-206124 Discussion Paper on providing cell energySaving Status information to NWDAF**

*Type: discussion For: Endorsement  
 Source: China Telecom Corporation Ltd.*

**Abstract:**

Discussion paper on how to provide the energySaving Status information of the cell to the NWDAF.

**Decision:** The document was **revised to S5-206373**.

**S5-206373 Discussion Paper on providing cell energySaving Status information to NWDAF**

*Type: discussion For: Endorsement  
 Source: China Telecom Corporation Ltd.*

(Replaces S5-206124)

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

**S5-206206 Rel-17 CR TS 28.554 Add EE KPI definitions for network slices**

*Type: CR For: Approval  
 28.554 v17.0.0 CR-0071 Cat: B (Rel-17)  
  
 Source: Orange, AT&T, Huawei, Deutsche Telekom, China Unicom*

**Decision:** The document was **revised to S5-206370**.

**S5-206370 Rel-17 CR TS 28.554 Add EE KPI definitions for network slices**

*Type: CR For: Approval  
 28.554 v17.0.0 CR-0071 rev 1 Cat: B (Rel-17)  
  
 Source: Orange, AT&T, Huawei, Deutsche Telekom, China Unicom*

(Replaces S5-206206)

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

**S5-206208 LS to ETSI EE EEPS and ITU-T Q6/5 on Network Slice EE KPIs**

*Type: LS out For: Approval  
 to ETSI EE/EEPS, ITU-T Q6/5, cc 3GPP SA  
 Source: Orange*

**Abstract:**

This LS can be approved only if S5-206206 is approved. The content of this LS may have to be adjusted to the content of S5-206206.

**Decision:** The document was **revised to S5-206371**.

**S5-206371 LS to ETSI EE EEPS and ITU-T Q6/5 on Network Slice EE KPIs**

*Type: LS out For: Approval  
 to ETSI EE/EEPS, ITU-T Q6/5, cc 3GPP SA  
 Source: Orange*

(Replaces S5-206208)

**Decision:** The document was **revised to S5-206446**.

**S5-206446 LS to ETSI EE EEPS and ITU-T Q6/5 on Network Slice EE KPIs**

*Type: LS out For: Approval  
 to ETSI EE/EEPS, ITU-T Q6/5, cc 3GPP SA  
 Source: Orange*

(Replaces S5-206371)

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

**S5-206211 LS to GSMA 5GJA on Network Slice EE KPIs**

*Type: LS out For: Approval  
 to GSMA NG/5GJA, cc 3GPP SA  
 Source: Orange*

**Abstract:**

This LS can be approved only if S5-206206 is approved. The content of this LS may have to be adjusted if S5-206206 is revised.

**Decision:** The document was **revised to S5-206372**.

**S5-206372 LS to GSMA 5GJA on Network Slice EE KPIs**

*Type: LS out For: Approval  
 to GSMA NG/5GJA, cc 3GPP SA  
 Source: Orange*

(Replaces S5-206211)

**Decision:** The document was **revised to S5-206447**.

**S5-206447 LS to GSMA 5GJA on Network Slice EE KPIs**

*Type: LS out For: Approval  
 to GSMA NG/5GJA, cc 3GPP SA  
 Source: Orange*

(Replaces S5-206372)

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

**S5-206225 Rel-16 CR TS 28.310 Remove the distributed scenario from the inter-RAT energy saving use case**

*Type: CR For: Approval  
 28.310 v16.2.0 CR-0006 Cat: F (Rel-16)  
  
 Source: Orange*

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

**S5-206239 Introducing ES probing procedure in TS 28.310**

*Type: draftCR For: Approval  
 28.310 v16.2.0  
 Source: KPN N.V.*

**Abstract:**

In [1] the ES probing procedure is specified for energy saving management while this is omitted in the concepts in [2]. Further, in [3] a Key Issue #7: Area based energy saving has been identified where ES probing procedure can provide very suitable input

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

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

**S5-206040 Rel-17 CR 28.532 Register and Query Operation**

*Type: other For: Agreement  
 28.532 v..  
 Source: Samsung Electronics France SA*

**Abstract:**

Register and Query Operation

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

**S5-206041 Rel-17 CR 28.533 Registration and De-registration Use Case**

*Type: other For: Agreement  
 28.533 v..  
 Source: Samsung Electronics France SA*

**Abstract:**

Registration and De-registration Use Case

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

**S5-206055 Rel-17 CR 28.533 Clarify Management Service data**

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

**Decision:** The document was **revised to S5-206374**.

**S5-206374 Rel-17 CR 28.533 Clarify Management Service data**

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

(Replaces S5-206055)

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

**S5-206056 Rel-17 CR 28.533 Add usecase for MnS publish**

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

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

**S5-206057 Rel-17 CR 28.533 Correct inconsistent terminology**

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

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

**S5-206344 Rel-16 CR 28.533 Correct inconsistent terminology**

*Type: CR For: Agreement  
 28.533 v16.5.1 CR-0076 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-206348 DraftCR for 6.4.8 5GDMS - TS 28.533**

*Type: draftCR For: Approval  
 28.533 v16.5.1  
 Source: Huawei*

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

### 6.5 OAM&P Studies

#### 6.5.1 Study on enhancement of Management Data Analytics Service

**S5-206026 Rel-17 pCR 28.809 Update potential solutions for the MDA assisted energy saving analysis**

*Type: pCR For: Approval  
 28.809 v1.0.2  
 Source: China Telecom Corporation Ltd.*

**Decision:** The document was **revised to S5-206375**.

**S5-206375 Rel-17 pCR 28.809 Update potential solutions for the MDA assisted energy saving analysis**

*Type: pCR For: Approval  
 28.809 v1.0.2  
 Source: China Telecom Corporation Ltd.*

(Replaces S5-206026)

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

**S5-206038 Add conclusion for resource utilization analytics use case**

*Type: pCR For: Approval  
 28.809 v1.0.2  
 Source: ETRI*

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

**S5-206042 pCR 28.809 HO Optimization based on UE Load**

*Type: pCR For: Agreement  
 28.809 v1.0.2  
 Source: Samsung Electronics France SA*

**Abstract:**

HO Optimization based on UE Load

**Decision:** The document was **revised to S5-206380**.

**S5-206380 pCR 28.809 HO Optimization based on UE Load**

*Type: pCR For: Agreement  
 28.809 v1.0.2  
 Source: Samsung Electronics France SA*

(Replaces S5-206042)

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

**S5-206058 pCR 28.809 Add analysis on agreed use cases**

*Type: pCR For: Approval  
 28.809 v1.0.2  
 Source: Huawei*

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

**S5-206059 pCR 28.809 Add key issue in recommondation**

*Type: pCR For: Approval  
 28.809 v1.0.2  
 Source: Huawei*

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

**S5-206060 pCR 28.809 suggested conclustion for Alarm incident analysis**

*Type: pCR For: Approval  
 28.809 v1.0.2  
 Source: Huawei*

**Decision:** The document was **revised to S5-206385**.

**S5-206385 pCR 28.809 suggested conclustion for Alarm incident analysis**

*Type: pCR For: Approval  
 28.809 v1.0.2  
 Source: Huawei*

(Replaces S5-206060)

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

**S5-206061 pCR 28.809 conclusion for NAS congestion control**

*Type: pCR For: Approval  
 28.809 v1.0.2  
 Source: Huawei*

**Decision:** The document was **revised to S5-206386**.

**S5-206386 pCR 28.809 conclusion for NAS congestion control**

*Type: pCR For: Approval  
 28.809 v1.0.2  
 Source: Huawei*

(Replaces S5-206061)

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

**S5-206087 pCR 28.809 Update solutions on subscription and reporting of Management Data Analytics Reports**

*Type: pCR For: Approval  
 28.809 v1.0.2  
 Source: Intel Ireland*

**Decision:** The document was **revised to S5-206383**.

**S5-206383 pCR 28.809 Update solutions on subscription and reporting of Management Data Analytics Reports**

*Type: pCR For: Approval  
 28.809 v1.0.2  
 Source: Intel Ireland*

(Replaces S5-206087)

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

**S5-206088 pCR 28.809 Update solutions on request of Management Data Analytics Reports**

*Type: pCR For: Approval  
 28.809 v1.0.2  
 Source: Intel Ireland*

**Decision:** The document was **revised to S5-206384**.

**S5-206384 pCR 28.809 Update solutions on request of Management Data Analytics Reports**

*Type: pCR For: Approval  
 28.809 v1.0.2  
 Source: Intel Ireland*

(Replaces S5-206088)

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

**S5-206089 pCR 28.809 Add conclusion for coverage issue analysis**

*Type: pCR For: Approval  
 28.809 v1.0.2  
 Source: Intel Ireland*

**Decision:** The document was **revised to S5-206378**.

**S5-206378 pCR 28.809 Add conclusion for coverage issue analysis**

*Type: pCR For: Approval  
 28.809 v1.0.2  
 Source: Intel Ireland*

(Replaces S5-206089)

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

**S5-206090 pCR 28.809 Add conclusion for resource utilization analytics**

*Type: pCR For: Approval  
 28.809 v1.0.2  
 Source: Intel Ireland*

**Decision:** The document was **revised to S5-206377**.

**S5-206377 pCR 28.809 Add conclusion for resource utilization analytics**

*Type: pCR For: Approval  
 28.809 v1.0.2  
 Source: Intel Ireland*

(Replaces S5-206090)

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

**S5-206091 pCR 28.809 Update solution on MDA assisted energy saving**

*Type: pCR For: Approval  
 28.809 v1.0.2  
 Source: Intel Ireland*

**Decision:** The document was **revised to S5-206376**.

**S5-206376 pCR 28.809 Update solution on MDA assisted energy saving**

*Type: pCR For: Approval  
 28.809 v1.0.2  
 Source: Intel Ireland*

(Replaces S5-206091)

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

**S5-206092 Resubmission pCR 28.809 Add solution on MDA ML model training**

*Type: pCR For: Approval  
 28.809 v1.0.2  
 Source: Intel Ireland*

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

**S5-206093 pCR 28.809 Update based on comments provided by Edithelp**

*Type: pCR For: Approval  
 28.809 v1.0.2  
 Source: Intel Ireland*

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

**S5-206094 pCR 28.809 Add general conclusions and recommendations**

*Type: pCR For: Approval  
 28.809 v1.0.2  
 Source: Intel Ireland*

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

**S5-206139 pCR 28.809 Add general conclusions on eMDAS**

*Type: pCR For: (not specified)  
 28.809 v1.0.2  
 Source: HuaWei Technologies Co., Ltd*

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

**S5-206147 pCR 28.809 Add the conclusion on coverage issue analysis**

*Type: pCR For: (not specified)  
 28.809 v1.0.2  
 Source: HuaWei Technologies Co., Ltd*

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

**S5-206150 Update the solution of Jitter analysis**

*Type: pCR For: (not specified)  
 28.809 v1.0.2  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-206387**.

**S5-206387 Update the solution of Jitter analysis**

*Type: pCR For: -  
 28.809 v1.0.2  
 Source: China Mobile Com. Corporation*

(Replaces S5-206150)

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

**S5-206153 pCR 28.809 Add the conclusion on KPI anomaly analysis**

*Type: pCR For: (not specified)  
 28.809 v1.0.2  
 Source: HuaWei Technologies Co., Ltd*

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

**S5-206154 pCR 28.809 Add the conclusion on Network slice load analysis**

*Type: pCR For: (not specified)  
 28.809 v1.0.2  
 Source: HuaWei Technologies Co., Ltd*

**Decision:** The document was **revised to S5-206388**.

**S5-206388 pCR 28.809 Add the conclusion on Network slice load analysis**

*Type: pCR For: -  
 28.809 v1.0.2  
 Source: HuaWei Technologies Co., Ltd*

(Replaces S5-206154)

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

**S5-206155 pCR 28.809 Add conclulsion on E2E latency analysis**

*Type: pCR For: (not specified)  
 28.809 v1.0.2  
 Source: HuaWei Technologies Co., Ltd*

**Decision:** The document was **revised to S5-206389**.

**S5-206389 pCR 28.809 Add conclulsion on E2E latency analysis**

*Type: pCR For: -  
 28.809 v1.0.2  
 Source: HuaWei Technologies Co., Ltd*

(Replaces S5-206155)

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

**S5-206156 pCR 28.809 update the solution of traffic projection**

*Type: pCR For: (not specified)  
 28.809 v1.0.2  
 Source: HuaWei Technologies Co., Ltd*

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

**S5-206158 pCR 28.809 Add the conclusion on service experience analysis**

*Type: pCR For: (not specified)  
 28.809 v1.0.2  
 Source: HuaWei Technologies Co., Ltd*

**Decision:** The document was **revised to S5-206390**.

**S5-206390 pCR 28.809 Add the conclusion on service experience analysis**

*Type: pCR For: -  
 28.809 v1.0.2  
 Source: HuaWei Technologies Co., Ltd*

(Replaces S5-206158)

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

**S5-206159 pCR 28.809 Add the conclusion on throughput analysis**

*Type: pCR For: (not specified)  
 28.809 v1.0.2  
 Source: HuaWei Technologies Co., Ltd*

**Decision:** The document was **revised to S5-206391**.

**S5-206391 pCR 28.809 Add the conclusion on throughput analysis**

*Type: pCR For: -  
 28.809 v1.0.2  
 Source: HuaWei Technologies Co., Ltd*

(Replaces S5-206159)

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

**S5-206166 Load Balancing Optimization Solutions based on Resource Consumption and Service Specifics**

*Type: pCR For: (not specified)  
 28.809 v1.0.2  
 Source: Nokia Germany*

**Abstract:**

This contribution enhances the current load balancing optimization use case, requiremetns and proposes two solution.

**Decision:** The document was **revised to S5-206382**.

**S5-206382 Load Balancing Optimization Solutions based on Resource Consumption and Service Specifics**

*Type: pCR For: -  
 28.809 v1.0.2  
 Source: Nokia Germany*

(Replaces S5-206166)

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

**S5-206171 pCR 28.809 Add the descriptions of coorditaion between cross domain MDAS and domain MDAS**

*Type: pCR For: (not specified)  
 28.809 v1.0.2  
 Source: HuaWei Technologies Co., Ltd*

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

**S5-206172 pCR 28.809 Add the conclusion on resource utilization analysis**

*Type: pCR For: (not specified)  
 28.809 v1.0.2  
 Source: HuaWei Technologies Co., Ltd*

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

**S5-206182 New use case on slice coverage and throughput optimization**

*Type: pCR For: (not specified)  
 28.809 v1.0.2  
 Source: Nokia Germany*

**Abstract:**

This contribution introduces a new use case and solution on slice coverage and throughput optimization.

**Decision:** The document was **revised to S5-206392**.

**S5-206392 New use case on slice coverage and throughput optimization**

*Type: pCR For: -  
 28.809 v1.0.2  
 Source: Nokia Germany*

(Replaces S5-206182)

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

**S5-206189 Load Balancing Optimization Solution for SON**

*Type: pCR For: (not specified)  
 28.809 v1.0.2  
 Source: Nokia Germany*

**Abstract:**

Solution for load balancing optimization focusing on SON

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

**S5-206207 Gap analysis for inter-gNB beam selection Optimization**

*Type: pCR For: (not specified)  
 28.809 v1.0.2  
 Source: Nokia Germany*

**Decision:** The document was **revised to S5-206393**.

**S5-206393 Gap analysis for inter-gNB beam selection Optimization**

*Type: pCR For: -  
 28.809 v1.0.2  
 Source: Nokia Germany*

(Replaces S5-206207)

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

**S5-206213 Alarm Malfunction Analytics**

*Type: pCR For: (not specified)  
 28.809 v1.0.2  
 Source: Nokia Germany*

**Decision:** The document was **revised to S5-206327**.

**S5-206327 Alarm Malfunction Analytics**

*Type: pCR For: -  
 28.809 v1.0.2  
 Source: Nokia Germany*

(Replaces S5-206213)

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

**S5-206227 Gap Analysis for Security Risk Assessment**

*Type: pCR For: (not specified)  
 28.809 v1.0.2  
 Source: Nokia Germany*

**Decision:** The document was **revised to S5-206394**.

**S5-206394 Gap Analysis for Security Risk Assessment**

*Type: pCR For: -  
 28.809 v1.0.2  
 Source: Nokia Germany*

(Replaces S5-206227)

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

**S5-206235 pCR 28.809 Add conclusion for fault predication analysis**

*Type: pCR For: Approval  
 28.809 v1.0.2  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S5-206395**.

**S5-206395 pCR 28.809 Add conclusion for fault predication analysis**

*Type: pCR For: Approval  
 28.809 v1.0.2  
 Source: ZTE Corporation*

(Replaces S5-206235)

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

**S5-206258 Gap Analysis for Handover Optimization based on UE trajectory**

*Type: pCR For: (not specified)  
 28.809 v1.0.2  
 Source: Nokia Germany*

**Decision:** The document was **revised to S5-206381**.

**S5-206381 Gap Analysis for Handover Optimization based on UE trajectory**

*Type: pCR For: -  
 28.809 v1.0.2  
 Source: Nokia Germany*

(Replaces S5-206258)

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

**S5-206263 Gap Analysis for KPI Anomaly Analysis**

*Type: pCR For: (not specified)  
 28.809 v1.0.2  
 Source: Nokia Germany*

**Decision:** The document was **revised to S5-206379**.

**S5-206379 Gap Analysis for KPI Anomaly Analysis**

*Type: pCR For: -  
 28.809 v1.0.2  
 Source: Nokia Germany*

(Replaces S5-206263)

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

**S5-206264 Gap Analysis for MDA assisted SON coordination**

*Type: pCR For: (not specified)  
 28.809 v1.0.2  
 Source: Nokia Germany*

**Decision:** The document was **revised to S5-206396**.

**S5-206396 Gap Analysis for MDA assisted SON coordination**

*Type: pCR For: -  
 28.809 v1.0.2  
 Source: Nokia Germany*

(Replaces S5-206264)

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

**S5-206267 Gap Analysis for Mobility performance Analysis**

*Type: pCR For: (not specified)  
 28.809 v1.0.2  
 Source: Nokia Germany*

**Decision:** The document was **revised to S5-206397**.

**S5-206397 Gap Analysis for Mobility performance Analysis**

*Type: pCR For: -  
 28.809 v1.0.2  
 Source: Nokia Germany*

(Replaces S5-206267)

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

**S5-206274 Rel 17 pCR - 28.809 MDAS detection of outlying MEs**

*Type: pCR For: Approval  
 28.809 v1.0.2  
 Source: Lenovo Mobile Com. Technology*

**Decision:** The document was **revised to S5-206398**.

**S5-206398 Rel 17 pCR - 28.809 MDAS detection of outlying MEs**

*Type: pCR For: Approval  
 28.809 v1.0.2  
 Source: Lenovo Mobile Com. Technology*

(Replaces S5-206274)

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

**S5-206338 draft TR 28.809**

*Type: draft TR For: Approval  
 28.809 v1.1.0  
 Source: Intel*

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

#### 6.5.2 Study on network slice management enhancement (revised to include security aspects)

**S5-206062 pCR 28.811 Add cross-operator network slicing scenarios**

*Type: pCR For: Approval  
 28.811 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-206403**.

**S5-206403 pCR 28.811 Add cross-operator network slicing scenarios**

*Type: pCR For: Approval  
 28.811 v0.1.0  
 Source: Huawei*

(Replaces S5-206062)

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

**S5-206063 pCR 28.811 Update references and terms**

*Type: pCR For: Approval  
 28.811 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-206401**.

**S5-206401 pCR 28.811 Update references and terms**

*Type: pCR For: Approval  
 28.811 v0.1.0  
 Source: Huawei*

(Replaces S5-206063)

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

**S5-206064 pCR 28.811 Add cross-operator concept**

*Type: pCR For: Approval  
 28.811 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-206399**.

**S5-206399 pCR 28.811 Add cross-operator concept**

*Type: pCR For: Approval  
 28.811 v0.1.0  
 Source: Huawei*

(Replaces S5-206064)

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

**S5-206065 pCR 28.811 Update scope to include security aspects**

*Type: pCR For: Approval  
 28.811 v0.1.0  
 Source: Huawei*

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

**S5-206066 pCR 28.811 Add end to end concept**

*Type: pCR For: Approval  
 28.811 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-206400**.

**S5-206400 pCR 28.811 Add end to end concept**

*Type: pCR For: Approval  
 28.811 v0.1.0  
 Source: Huawei*

(Replaces S5-206066)

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

**S5-206251 28.811 deploy two network slcies by same customer**

*Type: pCR For: Approval  
 28.811 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-206402**.

**S5-206402 28.811 deploy two network slcies by same customer**

*Type: pCR For: Approval  
 28.811 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-206251)

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

**S5-206252 28.811 extend skeleton to include security aspects**

*Type: pCR For: Approval  
 28.811 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-206337 draft TR 28.811**

*Type: draft TR For: discussion  
 28.811 v0.2.0  
 Source: Huawei*

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

#### 6.5.3 Study on YANG PUSH

**S5-206279 28.818 skeleton**

*Type: draft TR For: Approval  
 28.818 v0.0.0  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-206343**.

**S5-206343 28.818 skeleton**

*Type: draft TR For: Approval  
 28.818 v0.0.0  
 Source: Ericsson Hungary Ltd*

(Replaces S5-206279)

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

#### 6.5.4 Study on access control for management service

**S5-206253 TR 28.817 skeleton**

*Type: draft TR For: Approval  
 28.817 v0.0.0  
 Source: Nokia Germany*

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

## 7 Charging

### 7.1 Charging Plenary

**S5-206008 CH agenda and time plan**

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

**Decision:** The document was **revised to S5-206443**.

**S5-206443 CH agenda and time plan**

*Type: agenda For: -  
 Source: WG vice Chair (Nokia)*

(Replaces S5-206008)

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

**S5-206009 Charging exec report**

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

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

**S5-206020 LS to SA5 on 5G ProSe charging**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2007947*

**Decision:** The document was **replied to in S5-206404**.

**S5-206228 Ls to SA5 on Alignment of API Versioning System with Semantic Versioning**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C4-205484*

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

**S5-206233 LS reply on LS on 5G ProSe charging**

*Type: LS out For: Approval  
 to SA2  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-206404**.

**S5-206404 LS reply on LS on 5G ProSe charging**

*Type: LS out For: Approval  
 to SA2  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-206233)

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

**S5-206283 Reply LS ccSA5 on support of stateless NFs**

*Type: LS in For: discussion  
 Original outgoing LS: -, to -, cc -  
 Source: C4-205487*

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

### 7.2 New Charging Work Item proposals

**S5-206113 New SID on Charging Aspect of 5G LAN-type Services**

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

**Decision:** The document was **revised to S5-206408**.

**S5-206408 New SID on Charging Aspect of 5G LAN-type Services**

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

(Replaces S5-206113)

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

**S5-206152 SID on charging aspects for enhancements of Network Slicing Phase 2**

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

**Decision:** The document was **revised to S5-206445**.

**S5-206445 SID on charging aspects for enhancements of Network Slicing Phase 2**

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

(Replaces S5-206152)

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

### 7.3 Charging Maintenance and Rel-16 small Enhancements

**S5-206096 Rel-16 CR 32.255 Add Assistance information for Quota Request**

*Type: CR For: Agreement  
 32.255 v16.6.1 CR-0257 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-206097 Rel-16 CR 32.291 Add Assistance Information for Quota Request**

*Type: CR For: Agreement  
 32.291 v16.5.1 CR-0290 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-206098 Rel-15 CR 32.255 Correction on the QoS inforamtion in PDU Container**

*Type: CR For: Agreement  
 32.255 v15.5.0 CR-0258 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-206099 Rel-16 CR 32.255 Correction on the QoS inforamtion in PDU Container**

*Type: CR For: Agreement  
 32.255 v16.6.1 CR-0259 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-206417**.

**S5-206417 Rel-16 CR 32.255 Correction on the QoS inforamtion in PDU Container**

*Type: CR For: Agreement  
 32.255 v16.6.1 CR-0259 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-206099)

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

**S5-206105 Discussion paper on Non-blocking Mode Control**

*Type: discussion For: Discussion  
 Source: Huawei*

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

**S5-206106 Rel-16 CR 32.291 Add the Charging Control for NB Mode**

*Type: CR For: Agreement  
 32.291 v16.5.1 CR-0291 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-206107 Rel-16 CR 32.290 Add the General Description for NB Mode**

*Type: CR For: Agreement  
 32.290 v16.5.0 CR-0139 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-206108 Rel-16 CR 32.290 Add the Charging Control for NB Mode**

*Type: CR For: Agreement  
 32.290 v16.5.0 CR-0140 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-206435**.

**S5-206435 Rel-16 CR 32.290 Add the NB Mode disable**

*Type: CR For: Agreement  
 32.290 v16.5.0 CR-0140 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-206108)

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

**S5-206109 Rel-15 CR 32.290 Correction on the Quota Management Mode**

*Type: CR For: Agreement  
 32.290 v15.6.0 CR-0141 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-206110 Rel-16 CR 32.290 Correction on the Quota Management Mode**

*Type: CR For: Agreement  
 32.290 v16.5.0 CR-0142 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-206444**.

**S5-206444 Rel-16 CR 32.290 Correction on the Quota Management Mode**

*Type: CR For: Agreement  
 32.290 v16.5.0 CR-0142 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-206110)

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

**S5-206111 Rel-15 CR 32.255 Correction on the Quota Management Mode**

*Type: CR For: Agreement  
 32.255 v15.5.0 CR-0264 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-206112 Rel-16 CR 32.255 Correction on the Quota Management Mode**

*Type: CR For: Agreement  
 32.255 v16.6.1 CR-0265 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-206418**.

**S5-206418 Rel-16 CR 32.255 Correction on the Quota Management Mode**

*Type: CR For: Agreement  
 32.255 v16.6.1 CR-0265 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-206112)

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

**S5-206119 Discussion on the use of MAP type for PRA information**

*Type: discussion For: Endorsement  
 Source: Huawei*

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

**S5-206120 Rel-15 CR TS 32.291 Change map data type for presence area information Option 1**

*Type: CR For: Agreement  
 32.291 v15.7.0 CR-0292 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-206121 Rel-15 CR TS 32.291 Change map data type for presence area information Option 2**

*Type: CR For: Agreement  
 32.291 v15.7.0 CR-0293 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-206144 Rel-16 CR 32.291 Correction on Storage of YAML files in 3GPP Forge and Copyright**

*Type: CR For: Agreement  
 32.291 v16.5.1 CR-0294 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-206406**.

**S5-206406 Rel-16 CR 32.291 Correction on Storage of YAML files in 3GPP Forge and Copyright**

*Type: CR For: Agreement  
 32.291 v16.5.1 CR-0294 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-206144)

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

**S5-206145 Rel-15 CR 32.291 Remove Unnecessary Re-used Data Type**

*Type: CR For: Agreement  
 32.291 v15.7.0 CR-0295 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-206146 Rel-16 CR 32.291 Remove Unnecessary Re-used Data Type**

*Type: CR For: Agreement  
 32.291 v16.5.1 CR-0296 Cat: A (Rel-16)  
  
 Source: Huawei*

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

**S5-206190 Rel-16 CR TS 32.255 Correction of PDU session modification flow**

*Type: CR For: Agreement  
 32.255 v16.6.1 CR-0266 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-206419**.

**S5-206419 Rel-16 CR TS 32.255 Correction of PDU session modification flow**

*Type: CR For: Agreement  
 32.255 v16.6.1 CR-0266 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-206190)

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

**S5-206191 Rel-16 CR TS 32.298 Correction of cause for record closing**

*Type: CR For: Agreement  
 32.298 v16.6.1 CR-0849 Cat: F (Rel-16)  
  
 Source: Ericsson*

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

**S5-206192 Rel-16 CR TS 32.255 Correction of partial record closing**

*Type: CR For: Agreement  
 32.255 v16.6.1 CR-0267 Cat: F (Rel-16)  
  
 Source: Ericsson*

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

**S5-206193 Rel-16 CR TS 32.291 Correction of trigger type presence and cardinality**

*Type: CR For: Agreement  
 32.291 v16.5.1 CR-0298 Cat: F (Rel-16)  
  
 Source: Ericsson*

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

**S5-206194 Rel-16 CR TS 32.291 Correction of data structure in post response body**

*Type: CR For: Agreement  
 32.291 v16.5.1 CR-0299 Cat: F (Rel-16)  
  
 Source: Ericsson*

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

**S5-206195 Rel-16 CR TS 32.291 Correction of AMBR trigger usage**

*Type: CR For: Agreement  
 32.291 v16.5.1 CR-0300 Cat: F (Rel-16)  
  
 Source: Ericsson*

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

**S5-206196 Rel-16 CR TS 32.291 Correction of not quota management tariff time trigger**

*Type: CR For: Agreement  
 32.291 v16.5.1 CR-0301 Cat: F (Rel-16)  
  
 Source: Ericsson*

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

**S5-206197 Rel-16 CR TS 32.291 Correction of SMS TP status value**

*Type: CR For: Agreement  
 32.291 v16.5.1 CR-0302 Cat: F (Rel-16)  
  
 Source: Ericsson*

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

**S5-206230 Rel-15 CR 32.298 Correction on CauseForRecClosing partial CHF record**

*Type: CR For: Agreement  
 32.298 v15.11.0 CR-0850 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-206231 Rel-16 CR 32.298 Correction on CauseForRecClosing partial CHF record**

*Type: CR For: Agreement  
 32.298 v16.6.1 CR-0851 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-206232 Rel-16 CR 32.298 Correction for alignment with drafting rules**

*Type: CR For: Agreement  
 32.298 v16.6.1 CR-0852 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-206246 Rel-16 CR 32.255 Correction of V-SMF Change in Roaming HR - flows**

*Type: CR For: Approval  
 32.255 v16.6.1 CR-0268 Cat: F (Rel-17)  
  
 Source: China Mobile E-Commerce Co.*

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

**S5-206250 Rel-16 CR 32.255 Correction of V-SMF Change in Roaming HR - flows**

*Type: CR For: Approval  
 32.255 v16.6.1 CR-0269 Cat: F (Rel-16)  
  
 Source: China Mobile E-Commerce Co.*

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

**S5-206254 Rel-15 CR 32.291 Add missing value to NodeFunctionality for EPC Interworking Charging**

*Type: CR For: Agreement  
 32.291 v15.7.0 CR-0303 Cat: F (Rel-15)  
  
 Source: Openet Telecom*

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

**S5-206255 Rel-15 CR 32.298 Add missing value to NodeFunctionality for EPC Interworking Charging**

*Type: CR For: Agreement  
 32.298 v15.11.0 CR-0853 Cat: F (Rel-15)  
  
 Source: Openet Telecom*

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

**S5-206405 Rel-15 CR 32.291 Update OpenAPI version**

*Type: CR For: Agreement  
 32.291 v15.7.0 CR-0304 Cat: F (Rel-15)  
  
 Source: Huawei*

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

### 7.4 Rel-17 Charging

#### 7.4.1 IMS Charging in 5G System Architecture

**S5-206122 Rel-17 CR 32.260 Add service based architecture for offline charging**

*Type: CR For: Agreement  
 32.260 v16.2.0 CR-0407 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-206409**.

**S5-206409 Rel-17 CR 32.260 Add service based architecture for offline charging**

*Type: CR For: Agreement  
 32.260 v16.2.0 CR-0407 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-206122)

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

**S5-206123 Rel-17 CR 32.275 Add service based architecture for offline charging**

*Type: CR For: Agreement  
 32.275 v16.1.0 CR-0075 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-206410**.

**S5-206410 Rel-17 CR 32.275 Add service based architecture for offline charging**

*Type: CR For: Agreement  
 32.275 v16.1.0 CR-0075 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-206123)

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

**S5-206161 Rel-17 CR 32.290 Adding IMS nodes as NF consumers**

*Type: CR For: Approval  
 32.290 v16.5.0 CR-0143 Cat: B (Rel-17)  
  
 Source: China Mobile*

**Decision:** The document was **revised to S5-206411**.

**S5-206411 Rel-17 CR 32.290 Adding IMS nodes as NF consumers**

*Type: CR For: Approval  
 32.290 v16.5.0 CR-0143 rev 1 Cat: B (Rel-17)  
  
 Source: China Mobile*

(Replaces S5-206161)

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

**S5-206163 Rel-17 CR 32.291 Adding IMS nodes as NF consumers**

*Type: CR For: Approval  
 32.291 v16.5.1 CR-0297 Cat: B (Rel-17)  
  
 Source: China Mobile*

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

**S5-206168 Rel-17 CR 32.298 Adding IMS nodes as NF consumers**

*Type: CR For: Approval  
 32.298 v16.6.1 CR-0848 Cat: B (Rel-17)  
  
 Source: China Mobile*

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

**S5-206198 Rel-17 CR TS 32.275 Adding converged charging in relevance table**

*Type: CR For: Agreement  
 32.275 v16.1.0 CR-0076 Cat: B (Rel-17)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-206412**.

**S5-206412 Rel-17 CR TS 32.275 Adding converged charging in relevance table**

*Type: CR For: Agreement  
 32.275 v16.1.0 CR-0076 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson*

(Replaces S5-206198)

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

**S5-206199 Rel-17 CR TS 32.275 Adding converged charging for supplementary service**

*Type: CR For: Agreement  
 32.275 v16.1.0 CR-0077 Cat: B (Rel-17)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-206413**.

**S5-206413 Rel-17 CR TS 32.275 Adding converged charging for supplementary service**

*Type: CR For: Agreement  
 32.275 v16.1.0 CR-0077 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson*

(Replaces S5-206199)

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

**S5-206261 Rel-16 CR 32.260 Removal of IMS service based charging interface**

*Type: CR For: Approval  
 32.260 v16.2.0 CR-0408 Cat: F (Rel-16)  
  
 Source: Matrixx*

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

**S5-206407 Rel-17 CR 32.260 Update of IMS nodes supporting Nchf**

*Type: CR For: Agreement  
 32.260 v16.2.0 CR-0404 rev 2 Cat: F (Rel-17)  
  
 Source: Ericsson*

(Replaces S5-205424)

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

**S5-206414 Rel-17 CR 32.260 Update of IMS nodes supporting Nchf**

*Type: CR For: Agreement  
 32.260 v16.2.0 CR-0404 rev 3 Cat: F (Rel-17)  
  
 Source: Ericsson*

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

#### 7.4.2 Charging enhancement for URLLC

**S5-206100 Discussion paper on URLLC Charging**

*Type: discussion For: (not specified)  
 Source: Huawei*

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

**S5-206101 Rel-17 CR 32.255 Add Triggers for URLLC Charging**

*Type: CR For: Agreement  
 32.255 v16.6.1 CR-0260 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-206420**.

**S5-206420 Rel-17 CR 32.255 Add Triggers for URLLC Charging**

*Type: CR For: Agreement  
 32.255 v16.6.1 CR-0260 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-206101)

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

**S5-206102 Rel-17 CR 32.255 Add Message Flow for URLLC Charging**

*Type: CR For: Agreement  
 32.255 v16.6.1 CR-0261 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-206421**.

**S5-206421 Rel-17 CR 32.255 Add Message Flow for URLLC Charging**

*Type: CR For: Agreement  
 32.255 v16.6.1 CR-0261 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-206102)

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

**S5-206103 Rel-17 CR 32.255 Add Charging Information for URLLC Charging**

*Type: CR For: Agreement  
 32.255 v16.6.1 CR-0262 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-206104 Rel-17 CR 32.255 Add Charging Principle for Usage Reporting**

*Type: CR For: Agreement  
 32.255 v16.6.1 CR-0263 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-206422**.

**S5-206422 Rel-17 CR 32.255 Add Charging Principle for Usage Reporting**

*Type: CR For: Agreement  
 32.255 v16.6.1 CR-0263 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-206104)

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

#### 7.4.3 N40 Interface Enhancements to Support GERAN and UTRAN

**S5-206247 Rel-17 CR 32.240 Add PGW in logical ubiquitous charging architecture- service based interface**

*Type: CR For: Approval  
 32.240 v16.1.0 CR-0413 Cat: B (Rel-17)  
  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **revised to S5-206415**.

**S5-206415 Rel-17 CR 32.240 Add PGW in logical ubiquitous charging architecture- service based interface**

*Type: CR For: Approval  
 32.240 v16.1.0 CR-0413 rev 1 Cat: B (Rel-17)  
  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-206247)

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

**S5-206248 Rel-17 CR 32.251 Addition of PGW supporting Nchf interface**

*Type: CR For: Approval  
 32.251 v16.0.0 CR-0517 Cat: B (Rel-17)  
  
 Source: China Mobile E-Commerce Co.*

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

**S5-206249 Rel-17 CR 32.290 Add PGW as consumer of ConvergedCharging service**

*Type: CR For: Approval  
 32.290 v16.5.0 CR-0144 Cat: B (Rel-17)  
  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **revised to S5-206416**.

**S5-206416 Rel-17 CR 32.290 Add PGW as consumer of ConvergedCharging service**

*Type: CR For: Approval  
 32.290 v16.5.0 CR-0144 rev 1 Cat: B (Rel-17)  
  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-206249)

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

### 7.5 Charging studies

#### 7.5.1 Study on charging aspects of Edge Computing

**S5-206025 Rel-17 pCR 28.815 Introduction of the scope**

*Type: pCR For: Approval  
 28.815 v0.2.1  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-206429**.

**S5-206429 Rel-17 pCR 28.815 Introduction of the scope**

*Type: pCR For: Approval  
 28.815 v0.2.1  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-206025)

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

**S5-206083 pCR 28.815 Add charging scenarios and key issues on charging for edge enabling resources and services**

*Type: pCR For: Approval  
 28.815 v0.2.1  
 Source: Intel Ireland*

**Decision:** The document was **revised to S5-206423**.

**S5-206423 pCR 28.815 Add charging scenarios and key issues on charging for edge enabling resources and services**

*Type: pCR For: Approval  
 28.815 v0.2.1  
 Source: Intel Ireland*

(Replaces S5-206083)

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

**S5-206084 pCR 28.815 Add key issue on charging of 5GS capabilities supporting EC based on monitored QoS**

*Type: pCR For: Approval  
 28.815 v0.2.1  
 Source: Intel Ireland*

**Decision:** The document was **revised to S5-206424**.

**S5-206424 pCR 28.815 Add key issue on charging of 5GS capabilities supporting EC based on monitored QoS**

*Type: pCR For: Approval  
 28.815 v0.2.1  
 Source: Intel Ireland*

(Replaces S5-206084)

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

**S5-206085 pCR 28.815 Add potenial requirements and key issues on inter-provider charging for 5GS capabilities supporting EC**

*Type: pCR For: Approval  
 28.815 v0.2.1  
 Source: Intel Ireland*

**Decision:** The document was **revised to S5-206425**.

**S5-206425 pCR 28.815 Add potenial requirements and key issues on inter-provider charging for 5GS capabilities supporting EC**

*Type: pCR For: Approval  
 28.815 v0.2.1  
 Source: Intel Ireland*

(Replaces S5-206085)

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

**S5-206086 pCR 28.815 Add possible solutions for end-user charging of 5GS capabilities supporting edge computing**

*Type: pCR For: Approval  
 28.815 v0.2.1  
 Source: Intel Ireland*

**Decision:** The document was **revised to S5-206426**.

**S5-206426 pCR 28.815 Add possible solutions for end-user charging of 5GS capabilities supporting edge computing**

*Type: pCR For: Approval  
 28.815 v0.2.1  
 Source: Intel Ireland*

(Replaces S5-206086)

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

**S5-206174 Add Scope and References on 5GS charging for edge computing**

*Type: pCR For: Approval  
 28.815 v0.2.1  
 Source: China Telecomunication Corp.*

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

**S5-206175 Add the Service KPIs as charging factors on 5GS charging for edge computing**

*Type: pCR For: Approval  
 28.815 v0.2.1  
 Source: China Telecomunication Corp.*

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

**S5-206200 pCR TR 28.815 Adding topic for charging information**

*Type: pCR For: Approval  
 28.815 v0.2.1  
 Source: Ericsson*

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

**S5-206234 Rel-17 pCR 28.815 Refinements on architectures**

*Type: pCR For: Approval  
 28.815 v0.2.1  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-206427**.

**S5-206427 Rel-17 pCR 28.815 Refinements on architectures**

*Type: pCR For: Approval  
 28.815 v0.2.1  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-206234)

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

**S5-206269 Rel-17 pCR 28.815 Introduce use cases and potential requirements**

*Type: pCR For: Approval  
 28.815 v0.2.1  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-206428**.

**S5-206428 Rel-17 pCR 28.815 Introduce use cases and potential requirements**

*Type: pCR For: Approval  
 28.815 v0.2.1  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-206269)

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

**S5-206430 Draft TR 28.815**

*Type: draft TR For: Approval  
 28.815 v0.3.0  
 Source: China Telecomunication Corp*

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

#### 7.5.2 Study on charging aspects of 5GS CIoT

**S5-206114 pCR 28.816 add background for 5GS CIoT**

*Type: pCR For: Approval  
 28.816 v0.1.0  
 Source: Huawei*

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

**S5-206115 pCR 28.816 add background for data connectivity charging**

*Type: pCR For: Approval  
 28.816 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-206431**.

**S5-206431 pCR 28.816 add background for data connectivity charging**

*Type: pCR For: Approval  
 28.816 v0.1.0  
 Source: Huawei*

(Replaces S5-206115)

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

**S5-206116 pCR 28.816 add background for control plane data transfer charging**

*Type: pCR For: Approval  
 28.816 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-206432**.

**S5-206432 pCR 28.816 add background for control plane data transfer charging**

*Type: pCR For: Approval  
 28.816 v0.1.0  
 Source: Huawei*

(Replaces S5-206116)

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

**S5-206117 pCR 28.816 add background for monitoring event charging**

*Type: pCR For: Approval  
 28.816 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-206433**.

**S5-206433 pCR 28.816 add background for monitoring event charging**

*Type: pCR For: Approval  
 28.816 v0.1.0  
 Source: Huawei*

(Replaces S5-206117)

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

**S5-206118 pCR 28.816 add CP optimization for data connectivity charging**

*Type: pCR For: Approval  
 28.816 v0.1.0  
 Source: Huawei*

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

**S5-206434 Draft TR 28.816**

*Type: draft TR For: Approval  
 28.816 v0.2.0  
 Source: Huawei*

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

#### 7.5.3 Study on charging aspects of Proximity-based Services in 5GC

**S5-206125 pCR 32.846 Add terms and abbreviations**

*Type: pCR For: Approval  
 32.846 v0.1.0  
 Source: CATT*

**Decision:** The document was **revised to S5-206436**.

**S5-206436 pCR 32.846 Add terms and abbreviations**

*Type: pCR For: Approval  
 32.846 v0.1.0  
 Source: CATT*

(Replaces S5-206125)

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

**S5-206126 pCR 32.846 Add concepts and overview of ProSe charing in 5GS**

*Type: pCR For: Approval  
 32.846 v0.1.0  
 Source: CATT*

**Decision:** The document was **revised to S5-206437**.

**S5-206437 pCR 32.846 Add concepts and overview of ProSe charing in 5GS**

*Type: pCR For: Approval  
 32.846 v0.1.0  
 Source: CATT*

(Replaces S5-206126)

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

**S5-206127 pCR 32.846 Add architecture considerations for ProSe charing in 5GS**

*Type: pCR For: Approval  
 32.846 v0.1.0  
 Source: CATT*

**Decision:** The document was **revised to S5-206438**.

**S5-206438 pCR 32.846 Add architecture considerations for ProSe charing in 5GS**

*Type: pCR For: Approval  
 32.846 v0.1.0  
 Source: CATT*

(Replaces S5-206127)

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

**S5-206128 pCR 32.846 Add general description and assumptions**

*Type: pCR For: Approval  
 32.846 v0.1.0  
 Source: CATT*

**Decision:** The document was **revised to S5-206439**.

**S5-206439 pCR 32.846 Add general description and assumptions**

*Type: pCR For: Approval  
 32.846 v0.1.0  
 Source: CATT*

(Replaces S5-206128)

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

**S5-206129 pCR 32.846 Add potential charging requirements**

*Type: pCR For: Approval  
 32.846 v0.1.0  
 Source: CATT*

**Decision:** The document was **revised to S5-206440**.

**S5-206440 pCR 32.846 Add potential charging requirements**

*Type: pCR For: Approval  
 32.846 v0.1.0  
 Source: CATT*

(Replaces S5-206129)

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

**S5-206130 pCR 32.846 Add key issues**

*Type: pCR For: Approval  
 32.846 v0.1.0  
 Source: CATT*

**Decision:** The document was **revised to S5-206441**.

**S5-206441 pCR 32.846 Add key issues**

*Type: pCR For: Approval  
 32.846 v0.1.0  
 Source: CATT*

(Replaces S5-206130)

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

**S5-206201 pCR TR 32.846 Adding topic on charging information**

*Type: pCR For: Approval  
 32.846 v0.1.0  
 Source: Ericsson*

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

**S5-206442 Draft TR 32.846**

*Type: draft TR For: Approval  
 32.846 v0.2.0  
 Source: CATT*

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

## 8 Any Other Business

## 9 Closing of the meeting

## Annex A: Contribution documents and status

### A1: List of TDocs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| * S5-206000 | * Agenda | * WG Chair | * approved |  |  |
| * S5-206001 | * Report from last SA5 meeting | * MCC | * approved |  |  |
| * S5-206002 | * e-meeting process | * WG Chair | * noted |  |  |
| * S5-206003 | * Post e-meeting email approval status | * WG Chair | * available |  |  |
| * S5-206004 | * OAM&P action list | * WG vice Chair (Huawei) | * noted |  |  |
| * S5-206005 | * agenda\_with\_Tdocs\_sequence\_proposal\_OAM | * WG Vice Chair | * noted |  |  |
| * S5-206006 | * OAM Exec Report | * WG Vice Chair | * reserved |  |  |
| * S5-206007 | * OAM Chair notes and conclusions | * WG Chair | * reserved |  |  |
| * S5-206008 | * CH agenda and time plan | * WG vice Chair (Nokia) | * revised |  | * S5-206443 |
| * S5-206009 | * Charging exec report | * WG vice Chair (Nokia) | * noted |  |  |
| * S5-206010 | * SA5 meeting calendar | * WG Chair | * noted |  |  |
| * S5-206011 | * SA5 working procedures | * WG Chair | * revised |  | * S5-206300 |
| * S5-206012 | * Process for management of draft TS-TRs | * WG Chair | * noted |  |  |
| * S5-206013 | * List of DraftCR input and output | * WG Chair | * noted |  |  |
| * S5-206014 | * Resubmitted LS on O-RAN – 3GPP Cooperation on Management Services | * O-RAN | * postponed |  |  |
| * S5-206015 | * Resubmitted LS on Counter of UEs Registering Network Slice | * C4-204421 | * replied to |  |  |
| * S5-206016 | * LS ccSA5 on response to TCCA on Public Safety | * GSMA | * noted |  |  |
| * S5-206017 | * LS to SA5 on Meeting minutes of Cross SDO Collaboration Workshop on Autonomous Networks & access to workshop materials | * TM Forum | * noted |  |  |
| * S5-206018 | * Reply LS to SA5 on dynamic 5QIs | * S2-2006930 | * noted |  |  |
| * S5-206019 | * LS ccSA5 on Clarification on URLLC QoS Monitoring | * S2-2007825 | * noted |  |  |
| * S5-206020 | * LS to SA5 on 5G ProSe charging | * S2-2007947 | * replied to |  |  |
| * S5-206021 | * LS to SA5 on Slice information collection | * S2-2008034 | * replied to |  |  |
| * S5-206022 | * Reply LS to SA5 on Counter of UEs Registering Network Slice | * S2-2008238 | * noted |  |  |
| * S5-206023 | * Reply LS ccSA5 on SA WG2 assumptions from conclusion of study on architecture aspects for using satellite access in 5G | * S2-2008307 | * noted |  |  |
| * S5-206024 | * Reply to S5- 204407 on study items for security on management aspect | * S3-202688 | * noted |  |  |
| * S5-206025 | * Rel-17 pCR 28.815 Introduction of the scope | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-206429 |
| * S5-206026 | * Rel-17 pCR 28.809 Update potential solutions for the MDA assisted energy saving analysis | * China Telecom Corporation Ltd. | * revised |  | * S5-206375 |
| * S5-206027 | * pCR 28.555 add specification level use cases | * China Mobile Com. Corporation | * revised |  | * S5-206364 |
| * S5-206028 | * pCR 28.555 Editorial improvements | * China Mobile Com. Corporation | * approved |  |  |
| * S5-206029 | * pCR 28.556 Add skeleton | * China Mobile Com. Corporation | * revised |  | * S5-206365 |
| * S5-206030 | * pCR 28.556 add scope | * China Mobile Com. Corporation | * approved |  |  |
| * S5-206031 | * Move and update content of clause 4.1.1 to 28.535 | * Ericsson LM, Deutsche Telekom, NEC | * agreed | * S5-205397 |  |
| * S5-206032 | * Add description of Communication service assurance service coming from 28.536 | * Ericsson LM, Deutsche Telekom, NEC | * revised |  | * S5-206320 |
| * S5-206033 | * Presentation of Spec 28.555 to SA for Approval | * China Mobile Com. Corporation | * noted |  |  |
| * S5-206034 | * Correction of NRM YANG errors | * Ericsson Hungary Ltd | * revised |  | * S5-206308 |
| * S5-206035 | * Correction of NRM YANG errors | * Ericsson Hungary Ltd | * revised |  | * S5-206309 |
| * S5-206036 | * YANG improvements | * Ericsson Hungary Ltd | * agreed |  |  |
| * S5-206037 | * YANG improvements | * Ericsson Hungary Ltd | * agreed |  |  |
| * S5-206038 | * Add conclusion for resource utilization analytics use case | * ETRI | * merged |  | * S5-206377 |
| * S5-206039 | * Reply LS on Slice Information collection | * Samsung Electronics France SA | * revised |  | * S5-206299 |
| * S5-206040 | * Rel-17 CR 28.532 Register and Query Operation | * Samsung Electronics France SA | * noted |  |  |
| * S5-206041 | * Rel-17 CR 28.533 Registration and De-registration Use Case | * Samsung Electronics France SA | * noted |  |  |
| * S5-206042 | * pCR 28.809 HO Optimization based on UE Load | * Samsung Electronics France SA | * revised |  | * S5-206380 |
| * S5-206043 | * New WID for Management Aspects of 5G Network Sharing | * China Unicom | * withdrawn |  |  |
| * S5-206044 | * New WID for Management Aspects of 5G Network Sharing | * China Unicom | * revised |  | * S5-206304 |
| * S5-206045 | * Add Annex on state management | * Ericsson, Deutsche Telekom | * revised |  | * S5-206325 |
| * S5-206046 | * Add serviceProfileId and sliceProfileId to stage 3 yaml | * Ericsson, Deutsche Telekom | * agreed |  |  |
| * S5-206047 | * Rel-17 CR 28.812 Modification to Figure 4.4-1 | * China Mobile Com. Corporation | * not pursued |  |  |
| * S5-206048 | * Rel-17 CR 28.812 Modification to Figure 6.2-1 | * China Mobile Com. Corporation | * not pursued |  |  |
| * S5-206049 | * draft CR Implement Assurance Closed Loop model changes | * Ericsson, Deutsche Telekom | * revised |  | * S5-206333 |
| * S5-206050 | * Rel-17 CR 32.425 addition of SINR measurement | * China Mobile Com. Corporation | * agreed |  |  |
| * S5-206051 | * Update figure and description of Communication service assurance service | * Ericsson LM, Deutsche Telekom, NEC | * revised |  | * S5-206321 |
| * S5-206052 | * Rel-16 CR 28.313 Correct Distributed PCI optimization | * Ericsson France S.A.S | * revised | * S5-205141 | * S5-206316 |
| * S5-206053 | * Rel-16 CR 28.536 Observation of closed loop assurance loop | * Huawei | * merged |  | * S5-206333 |
| * S5-206054 | * Rel-16 CR 28.536 Clarify valid values for AssuranceTarget | * Huawei | * revised |  | * S5-206324 |
| * S5-206055 | * Rel-17 CR 28.533 Clarify Management Service data | * Huawei | * revised |  | * S5-206374 |
| * S5-206056 | * Rel-17 CR 28.533 Add usecase for MnS publish | * Huawei | * noted |  |  |
| * S5-206057 | * Rel-17 CR 28.533 Correct inconsistent terminology | * Huawei | * noted |  |  |
| * S5-206058 | * pCR 28.809 Add analysis on agreed use cases | * Huawei | * noted |  | * - |
| * S5-206059 | * pCR 28.809 Add key issue in recommondation | * Huawei | * noted |  |  |
| * S5-206060 | * pCR 28.809 suggested conclustion for Alarm incident analysis | * Huawei | * revised |  | * S5-206385 |
| * S5-206061 | * pCR 28.809 conclusion for NAS congestion control | * Huawei | * revised |  | * S5-206386 |
| * S5-206062 | * pCR 28.811 Add cross-operator network slicing scenarios | * Huawei | * revised |  | * S5-206403 |
| * S5-206063 | * pCR 28.811 Update references and terms | * Huawei | * revised |  | * S5-206401 |
| * S5-206064 | * pCR 28.811 Add cross-operator concept | * Huawei | * revised |  | * S5-206399 |
| * S5-206065 | * pCR 28.811 Update scope to include security aspects | * Huawei | * approved |  |  |
| * S5-206066 | * pCR 28.811 Add end to end concept | * Huawei | * revised |  | * S5-206400 |
| * S5-206067 | * Rel-16 CR 28.541 Move Distributed PCI control IOC from DU to CU | * Ericsson France S.A.S | * revised | * S5-205142 | * S5-206310 |
| * S5-206068 | * Rel-17 CR 28.541 Move Distributed PCI control IOC from DU to CU | * Ericsson France S.A.S | * revised | * S5-205143 | * S5-206311 |
| * S5-206069 | * YANG NRM for Network Slicing | * Cisco Systems Belgium | * noted |  |  |
| * S5-206070 | * Rel-16 CR 28.532 Fix inconsistencies in guidelines for integration with ONAP VES | * Nokia, Orange, AT&T | * revised |  | * S5-206318 |
| * S5-206071 | * Collection of useful endorsed document and external communication documents | * Huawei Technologies (Korea) | * noted | * S5-205062 |  |
| * S5-206072 | * Rel-16 CR TS 28.532 Update generic streaming MnS | * Huawei | * agreed | * S5-205386 |  |
| * S5-206073 | * Rel-16 CR TS 28.550 Update attribute measType used in Annex C | * HUAWEI Technologies Japan K.K. | * agreed |  |  |
| * S5-206074 | * GPB for File based Trace Format in 5G | * Ericsson LM | * revised |  | * S5-206302 |
| * S5-206075 | * Add serviceProfileId and sliceProfileId to stage 3 yaml | * Ericsson, Deutsche Telekom | * agreed |  |  |
| * S5-206076 | * Add GPB trace record for file based support | * Ericsson LM | * revised |  | * S5-206303 |
| * S5-206077 | * Rel-16 CR 28.552 Add PCI related measurement | * Intel Corporation (UK) Ltd | * not pursued |  |  |
| * S5-206078 | * Rel-16 CR 28.313 Correct the PCI notifications | * Intel Corporation (UK) Ltd | * merged |  | * S5-206316 |
| * S5-206079 | * Rel-16 CR 28.541 Add stage 2 solution for PCI notification attributes | * Intel Corporation (UK) Ltd | * withdrawn |  |  |
| * S5-206080 | * Rel-16 CR 28.541 Add stage 2 solution for PCI notification attributes | * Intel Corporation (UK) Ltd | * not pursued |  |  |
| * S5-206081 | * Rel-16 CR 28.541 Add stage 3 solution for PCI notification attributes | * Intel Corporation (UK) Ltd | * not pursued |  |  |
| * S5-206082 | * Rel-17 CR 28.313 Add LBO use cases, requirements, and related information | * Intel Corporation (UK) Ltd | * not pursued |  |  |
| * S5-206083 | * pCR 28.815 Add charging scenarios and key issues on charging for edge enabling resources and services | * Intel Ireland | * revised |  | * S5-206423 |
| * S5-206084 | * pCR 28.815 Add key issue on charging of 5GS capabilities supporting EC based on monitored QoS | * Intel Ireland | * revised |  | * S5-206424 |
| * S5-206085 | * pCR 28.815 Add potenial requirements and key issues on inter-provider charging for 5GS capabilities supporting EC | * Intel Ireland | * revised |  | * S5-206425 |
| * S5-206086 | * pCR 28.815 Add possible solutions for end-user charging of 5GS capabilities supporting edge computing | * Intel Ireland | * revised |  | * S5-206426 |
| * S5-206087 | * pCR 28.809 Update solutions on subscription and reporting of Management Data Analytics Reports | * Intel Ireland | * revised |  | * S5-206383 |
| * S5-206088 | * pCR 28.809 Update solutions on request of Management Data Analytics Reports | * Intel Ireland | * revised |  | * S5-206384 |
| * S5-206089 | * pCR 28.809 Add conclusion for coverage issue analysis | * Intel Ireland | * revised |  | * S5-206378 |
| * S5-206090 | * pCR 28.809 Add conclusion for resource utilization analytics | * Intel Ireland | * revised |  | * S5-206377 |
| * S5-206091 | * pCR 28.809 Update solution on MDA assisted energy saving | * Intel Ireland | * revised |  | * S5-206376 |
| * S5-206092 | * Resubmission pCR 28.809 Add solution on MDA ML model training | * Intel Ireland | * approved |  |  |
| * S5-206093 | * pCR 28.809 Update based on comments provided by Edithelp | * Intel Ireland | * approved |  |  |
| * S5-206094 | * pCR 28.809 Add general conclusions and recommendations | * Intel Ireland | * noted |  |  |
| * S5-206095 | * Rel-16 CR TS 28.622 Correct the attributes description of the IOCs inherited from Top and Top\_ | * ZTE Corporation | * agreed |  |  |
| * S5-206096 | * Rel-16 CR 32.255 Add Assistance information for Quota Request | * Huawei | * not pursued |  |  |
| * S5-206097 | * Rel-16 CR 32.291 Add Assistance Information for Quota Request | * Huawei | * not pursued |  |  |
| * S5-206098 | * Rel-15 CR 32.255 Correction on the QoS inforamtion in PDU Container | * Huawei | * not pursued |  |  |
| * S5-206099 | * Rel-16 CR 32.255 Correction on the QoS inforamtion in PDU Container | * Huawei | * revised |  | * S5-206417 |
| * S5-206100 | * Discussion paper on URLLC Charging | * Huawei | * noted |  |  |
| * S5-206101 | * Rel-17 CR 32.255 Add Triggers for URLLC Charging | * Huawei | * revised |  | * S5-206420 |
| * S5-206102 | * Rel-17 CR 32.255 Add Message Flow for URLLC Charging | * Huawei | * revised |  | * S5-206421 |
| * S5-206103 | * Rel-17 CR 32.255 Add Charging Information for URLLC Charging | * Huawei | * withdrawn |  |  |
| * S5-206104 | * Rel-17 CR 32.255 Add Charging Principle for Usage Reporting | * Huawei | * revised |  | * S5-206422 |
| * S5-206105 | * Discussion paper on Non-blocking Mode Control | * Huawei | * noted |  |  |
| * S5-206106 | * Rel-16 CR 32.291 Add the Charging Control for NB Mode | * Huawei | * not pursued |  |  |
| * S5-206107 | * Rel-16 CR 32.290 Add the General Description for NB Mode | * Huawei | * not pursued |  |  |
| * S5-206108 | * Rel-16 CR 32.290 Add the Charging Control for NB Mode | * Huawei | * revised |  | * S5-206435 |
| * S5-206109 | * Rel-15 CR 32.290 Correction on the Quota Management Mode | * Huawei | * not pursued |  |  |
| * S5-206110 | * Rel-16 CR 32.290 Correction on the Quota Management Mode | * Huawei | * revised |  | * S5-206444 |
| * S5-206111 | * Rel-15 CR 32.255 Correction on the Quota Management Mode | * Huawei | * not pursued |  |  |
| * S5-206112 | * Rel-16 CR 32.255 Correction on the Quota Management Mode | * Huawei | * revised |  | * S5-206418 |
| * S5-206113 | * New SID on Charging Aspect of 5G LAN-type Services | * Huawei | * revised |  | * S5-206408 |
| * S5-206114 | * pCR 28.816 add background for 5GS CIoT | * Huawei | * noted |  |  |
| * S5-206115 | * pCR 28.816 add background for data connectivity charging | * Huawei | * revised |  | * S5-206431 |
| * S5-206116 | * pCR 28.816 add background for control plane data transfer charging | * Huawei | * revised |  | * S5-206432 |
| * S5-206117 | * pCR 28.816 add background for monitoring event charging | * Huawei | * revised |  | * S5-206433 |
| * S5-206118 | * pCR 28.816 add CP optimization for data connectivity charging | * Huawei | * approved |  |  |
| * S5-206119 | * Discussion on the use of MAP type for PRA information | * Huawei | * noted |  |  |
| * S5-206120 | * Rel-15 CR TS 32.291 Change map data type for presence area information Option 1 | * Huawei | * not pursued |  |  |
| * S5-206121 | * Rel-15 CR TS 32.291 Change map data type for presence area information Option 2 | * Huawei | * not pursued |  |  |
| * S5-206122 | * Rel-17 CR 32.260 Add service based architecture for offline charging | * Huawei | * revised |  | * S5-206409 |
| * S5-206123 | * Rel-17 CR 32.275 Add service based architecture for offline charging | * Huawei | * revised |  | * S5-206410 |
| * S5-206124 | * Discussion Paper on providing cell energySaving Status information to NWDAF | * China Telecom Corporation Ltd. | * revised |  | * S5-206373 |
| * S5-206125 | * pCR 32.846 Add terms and abbreviations | * CATT | * revised |  | * S5-206436 |
| * S5-206126 | * pCR 32.846 Add concepts and overview of ProSe charing in 5GS | * CATT | * revised |  | * S5-206437 |
| * S5-206127 | * pCR 32.846 Add architecture considerations for ProSe charing in 5GS | * CATT | * revised |  | * S5-206438 |
| * S5-206128 | * pCR 32.846 Add general description and assumptions | * CATT | * revised |  | * S5-206439 |
| * S5-206129 | * pCR 32.846 Add potential charging requirements | * CATT | * revised |  | * S5-206440 |
| * S5-206130 | * pCR 32.846 Add key issues | * CATT | * revised |  | * S5-206441 |
| * S5-206131 | * Addition of MO SMS mesurements for SMSF | * China Mobile Com. Corporation | * not pursued |  |  |
| * S5-206132 | * Addition of Registration mesurements for SMSF | * China Mobile Com. Corporation | * not pursued |  |  |
| * S5-206133 | * Rel-16 CR 28.552 Correction of paging measurements | * Ericsson LM | * revised |  | * S5-206306 |
| * S5-206134 | * Rel-16 CR 28.552 Add missing paging discard measurements | * Ericsson LM | * agreed |  |  |
| * S5-206135 | * Rel-17 CR 28.552 Correction of paging measurements | * Ericsson LM | * revised |  | * S5-206307 |
| * S5-206136 | * Rel-17 CR 28.552 Add missing paging discard measurements | * Ericsson LM | * agreed |  |  |
| * S5-206137 | * Rel-16 CR TS 28.552 Correct measurements related to QoS Flow release and DRB release | * Ericsson LM | * agreed |  |  |
| * S5-206138 | * Rel-16 CR 28.554 Correction and alignment of Retainability KPIs definitions | * Ericsson LM | * agreed |  |  |
| * S5-206139 | * pCR 28.809 Add general conclusions on eMDAS | * HuaWei Technologies Co., Ltd | * noted |  |  |
| * S5-206140 | * Rel-16 CR 28.554 Add missing KPI for inter system Handover success rate | * Ericsson LM | * agreed |  |  |
| * S5-206141 | * Rel-17 CR TS 28.552 Correct measurements related to QoS Flow release and DRB release | * Ericsson LM | * agreed |  |  |
| * S5-206142 | * Rel-17 CR 28.554 Correction and alignment of Retainability KPIs definitions | * Ericsson LM | * agreed |  |  |
| * S5-206143 | * Rel-17 CR 28.554 Add missing KPI for inter system Handover success rate | * Ericsson LM | * agreed |  |  |
| * S5-206144 | * Rel-16 CR 32.291 Correction on Storage of YAML files in 3GPP Forge and Copyright | * Huawei | * revised |  | * S5-206406 |
| * S5-206145 | * Rel-15 CR 32.291 Remove Unnecessary Re-used Data Type | * Huawei | * not pursued |  |  |
| * S5-206146 | * Rel-16 CR 32.291 Remove Unnecessary Re-used Data Type | * Huawei | * not pursued |  |  |
| * S5-206147 | * pCR 28.809 Add the conclusion on coverage issue analysis | * HuaWei Technologies Co., Ltd | * merged |  | * S5-206378 |
| * S5-206148 | * Reply LS on Counter of UEs Registering Network Slice | * China Mobile Com. Corporation | * revised |  | * S5-206298 |
| * S5-206149 | * Delete the KPI of Registered subscribers of network and network slice through UDM | * China Mobile Com. Corporation | * not pursued |  |  |
| * S5-206150 | * Update the solution of Jitter analysis | * China Mobile Com. Corporation | * revised |  | * S5-206387 |
| * S5-206151 | * Add use case of network resource usage and performance prediction assisted SLS communication service Assurance | * China Mobile Com. Corporation | * revised |  | * S5-206367 |
| * S5-206152 | * SID on charging aspects for enhancements of Network Slicing Phase 2 | * Matrixx | * revised |  | * S5-206445 |
| * S5-206153 | * pCR 28.809 Add the conclusion on KPI anomaly analysis | * HuaWei Technologies Co., Ltd | * merged |  | * S5-206379 |
| * S5-206154 | * pCR 28.809 Add the conclusion on Network slice load analysis | * HuaWei Technologies Co., Ltd | * revised |  | * S5-206388 |
| * S5-206155 | * pCR 28.809 Add conclulsion on E2E latency analysis | * HuaWei Technologies Co., Ltd | * revised |  | * S5-206389 |
| * S5-206156 | * pCR 28.809 update the solution of traffic projection | * HuaWei Technologies Co., Ltd | * withdrawn |  |  |
| * S5-206157 | * Rel-16 CR 28.532 Correct small errors in the Fault MnS (REST SS) | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-206319 |
| * S5-206158 | * pCR 28.809 Add the conclusion on service experience analysis | * HuaWei Technologies Co., Ltd | * revised |  | * S5-206390 |
| * S5-206159 | * pCR 28.809 Add the conclusion on throughput analysis | * HuaWei Technologies Co., Ltd | * revised |  | * S5-206391 |
| * S5-206160 | * Rel-16 CR 28.532 Align ProvMnS data type names to UpperCamel (REST SS, OpenAPI definition) | * Nokia, Nokia Shanghai Bell | * agreed |  |  |
| * S5-206161 | * Rel-17 CR 32.290 Adding IMS nodes as NF consumers | * China Mobile | * revised |  | * S5-206411 |
| * S5-206162 | * Rel-16 CR 28.623 Correct and add types in comDefs.yaml (OpenAPI definition) | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-206328 |
| * S5-206163 | * Rel-17 CR 32.291 Adding IMS nodes as NF consumers | * China Mobile | * not pursued |  |  |
| * S5-206164 | * Rel-16 CR 28.623 Correct validation errors in genericNrm.yaml (OpenAPI definition) | * Nokia, Nokia Shanghai Bell | * withdrawn |  |  |
| * S5-206165 | * Rel-16 CR 32.158 Correct REST SS specification template | * Nokia, Nokia Shanghai Bell | * agreed |  |  |
| * S5-206166 | * Load Balancing Optimization Solutions based on Resource Consumption and Service Specifics | * Nokia Germany | * revised |  | * S5-206382 |
| * S5-206167 | * Add concept of autonomous network and autonomous network level | * HUAWEI,China Mobile | * revised |  | * S5-206352 |
| * S5-206168 | * Rel-17 CR 32.298 Adding IMS nodes as NF consumers | * China Mobile | * not pursued |  |  |
| * S5-206169 | * Rel-16 CR TS 28.535 Add lifecycle management of control loops | * Huawei Technologies Japan K.K. | * not pursued |  | * - |
| * S5-206170 | * pCR TS 28.100 Add use case and requirements for coverage optimization | * HUAWEI,China Mobile | * revised |  | * S5-206353 |
| * S5-206171 | * pCR 28.809 Add the descriptions of coorditaion between cross domain MDAS and domain MDAS | * HuaWei Technologies Co., Ltd | * noted |  |  |
| * S5-206172 | * pCR 28.809 Add the conclusion on resource utilization analysis | * HuaWei Technologies Co., Ltd | * merged |  | * S5-206377 |
| * S5-206173 | * Rel-17 draftCR TS 28.535 Add concept of closed control loop governing and monitoring | * HUAWEI Technologies Japan K.K. | * noted |  | * - |
| * S5-206174 | * Add Scope and References on 5GS charging for edge computing | * China Telecomunication Corp. | * merged |  | * S5-206429 |
| * S5-206175 | * Add the Service KPIs as charging factors on 5GS charging for edge computing | * China Telecomunication Corp. | * noted |  |  |
| * S5-206176 | * pCR 28.100 Add Introduction | * China Mobile, Huawei | * revised |  | * S5-206354 |
| * S5-206177 | * pCR 28.100 Add definition for network and service management scenario types | * China Mobile, Huawei | * revised |  | * S5-206355 |
| * S5-206178 | * pCR 28.100 Add dimensions for evaluating autonomous network levels | * China Mobile, Huawei | * revised |  | * S5-206356 |
| * S5-206179 | * pCR 28.100 Add framework approach for evaluating autonomous network levels | * China Mobile, Huawei | * revised |  | * S5-206357 |
| * S5-206180 | * pCR 28.100 Update skeleton for clause 5 | * China Mobile, Huawei | * approved |  |  |
| * S5-206181 | * Rel-16 CR TS 28.535 Update open control loops | * Huawei Technologies Japan K.K. | * not pursued |  |  |
| * S5-206182 | * New use case on slice coverage and throughput optimization | * Nokia Germany | * revised |  | * S5-206392 |
| * S5-206183 | * Rel-16 CR TS 28.536 Update SLS Assurance Procedure | * Huawei Technologies Japan K.K. | * not pursued |  |  |
| * S5-206184 | * Rel-16 CR TS 28.530 Add the chapter of high level features | * Huawei Telecommunication India | * agreed |  |  |
| * S5-206185 | * Rel-16 CR TS 28.536 Update coslaNrm\_yml | * Huawei Technologies Japan K.K. | * not pursued |  |  |
| * S5-206186 | * LS to SA5 on policy models work in ETSI ISG NFV | * ETSI ISG NFV | * replied to |  |  |
| * S5-206187 | * Rel-16 CR TS 28.530 add requirements of closed loop SLS assurance | * Huawei Telecommunication India | * not pursued |  | * - |
| * S5-206188 | * Rel-16 CR TS 28.533 Add example of closed loop SLS assurance | * Huawei Telecommunication India | * revised |  | * S5-206330 |
| * S5-206189 | * Load Balancing Optimization Solution for SON | * Nokia Germany | * merged |  | * S5-206382 |
| * S5-206190 | * Rel-16 CR TS 32.255 Correction of PDU session modification flow | * Ericsson | * revised |  | * S5-206419 |
| * S5-206191 | * Rel-16 CR TS 32.298 Correction of cause for record closing | * Ericsson | * not pursued |  |  |
| * S5-206192 | * Rel-16 CR TS 32.255 Correction of partial record closing | * Ericsson | * not pursued |  |  |
| * S5-206193 | * Rel-16 CR TS 32.291 Correction of trigger type presence and cardinality | * Ericsson | * not pursued |  |  |
| * S5-206194 | * Rel-16 CR TS 32.291 Correction of data structure in post response body | * Ericsson | * not pursued |  |  |
| * S5-206195 | * Rel-16 CR TS 32.291 Correction of AMBR trigger usage | * Ericsson | * not pursued |  |  |
| * S5-206196 | * Rel-16 CR TS 32.291 Correction of not quota management tariff time trigger | * Ericsson | * agreed |  |  |
| * S5-206197 | * Rel-16 CR TS 32.291 Correction of SMS TP status value | * Ericsson | * agreed |  |  |
| * S5-206198 | * Rel-17 CR TS 32.275 Adding converged charging in relevance table | * Ericsson | * revised |  | * S5-206412 |
| * S5-206199 | * Rel-17 CR TS 32.275 Adding converged charging for supplementary service | * Ericsson | * revised |  | * S5-206413 |
| * S5-206200 | * pCR TR 28.815 Adding topic for charging information | * Ericsson | * noted |  |  |
| * S5-206201 | * pCR TR 32.846 Adding topic on charging information | * Ericsson | * noted |  |  |
| * S5-206202 | * Rel-16 CR 28.532 Extend object creation method with id selection by the MnS producer (stage 2) | * Nokia, Nokia Shanghai Bell | * not pursued | * S5-205157 |  |
| * S5-206203 | * Rel-16 CR 28.532 Extend object creation method with id selection by the MnS producer (REST SS, OpenAPI definition) | * Nokia, Nokia Shanghai Bell | * not pursued | * S5-205269 |  |
| * S5-206204 | * Discussion paper for coordination between control loops | * Huawei Technologies Japan K.K. | * noted |  |  |
| * S5-206205 | * Rel-17 CR TS 28.535 Coordination between control loops | * Huawei Technologies Japan K.K. | * revised |  | * S5-206326 |
| * S5-206206 | * Rel-17 CR TS 28.554 Add EE KPI definitions for network slices | * Orange, AT&T, Huawei, Deutsche Telekom, China Unicom | * revised |  | * S5-206370 |
| * S5-206207 | * Gap analysis for inter-gNB beam selection Optimization | * Nokia Germany | * revised |  | * S5-206393 |
| * S5-206208 | * LS to ETSI EE EEPS and ITU-T Q6/5 on Network Slice EE KPIs | * Orange | * revised |  | * S5-206371 |
| * S5-206209 | * Discussion paper on Management of Conditional Handover | * Ericsson France S.A.S | * endorsed |  |  |
| * S5-206210 | * Rel-17 CR TS 28.535 Management types for control loop | * Huawei Technologies Japan K.K. | * noted |  |  |
| * S5-206211 | * LS to GSMA 5GJA on Network Slice EE KPIs | * Orange | * revised |  | * S5-206372 |
| * S5-206212 | * Rel-17 CR 28.313 CHO requirements | * Ericsson France S.A.S | * noted |  |  |
| * S5-206213 | * Alarm Malfunction Analytics | * Nokia Germany | * revised |  | * S5-206327 |
| * S5-206214 | * Rel-17 CR TR28.812 Address the issues requested by EditHelp | * Huawei | * agreed |  |  |
| * S5-206215 | * pCR TS 28312 Update Clause 4.1.3 Intent categorizes based on management scenario types | * Huawei, China Mobile | * revised |  | * S5-206358 |
| * S5-206216 | * pCR TS 28312 Update Clause 4.1.1 Introduction | * Huawei, China Mobie, Ericsson, China Unicom | * revised |  | * S5-206359 |
| * S5-206217 | * pCR TS 28312 Add relation of intent driven management and policy driven management. | * Huawei,Ericsson, China Mobile, China Unicom | * revised |  | * S5-206360 |
| * S5-206218 | * pCR TS 28312 Add use case and requirements for coverage optimization | * Huawei, China Telecom | * revised |  | * S5-206361 |
| * S5-206219 | * pCR TS 28312 Add use case and requirements for RAN UE throughut optimization | * Huawei | * revised |  | * S5-206362 |
| * S5-206220 | * pCR TS 28312 Add use case and requirements for radio network deployment | * Huawei | * revised |  | * S5-206363 |
| * S5-206221 | * Rel-16 CR 28.310 Correction on general descriptions of centralized energy saving activation and deactivation | * Huawei, Orange | * agreed |  |  |
| * S5-206222 | * Rel-16 CR 28.310 Corrections on distributed ES solution | * Huawei, Orange | * agreed |  |  |
| * S5-206223 | * Rel-16 CR 28.310 Correction on general descriptions of distributed energy saving activation and deactivation | * Huawei, Orange | * agreed |  |  |
| * S5-206224 | * Discussion on AddRRMPolicyRatiointoSliceProfile | * China Mobile Com. Corporation | * noted |  |  |
| * S5-206225 | * Rel-16 CR TS 28.310 Remove the distributed scenario from the inter-RAT energy saving use case | * Orange | * withdrawn |  |  |
| * S5-206226 | * Add RRMPolicyRatiointoSliceProfile | * China Mobile Com. Corporation | * not pursued |  |  |
| * S5-206227 | * Gap Analysis for Security Risk Assessment | * Nokia Germany | * revised |  | * S5-206394 |
| * S5-206228 | * Ls to SA5 on Alignment of API Versioning System with Semantic Versioning | * C4-205484 | * noted |  |  |
| * S5-206229 | * pCR 28.100 Add use case network converage planning | * ZTE Corporation | * noted |  |  |
| * S5-206230 | * Rel-15 CR 32.298 Correction on CauseForRecClosing partial CHF record | * Nokia, Nokia Shanghai Bell | * not pursued |  |  |
| * S5-206231 | * Rel-16 CR 32.298 Correction on CauseForRecClosing partial CHF record | * Nokia, Nokia Shanghai Bell | * not pursued |  |  |
| * S5-206232 | * Rel-16 CR 32.298 Correction for alignment with drafting rules | * Nokia, Nokia Shanghai Bell | * agreed |  |  |
| * S5-206233 | * LS reply on LS on 5G ProSe charging | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-206404 |
| * S5-206234 | * Rel-17 pCR 28.815 Refinements on architectures | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-206427 |
| * S5-206235 | * pCR 28.809 Add conclusion for fault predication analysis | * ZTE Corporation | * revised |  | * S5-206395 |
| * S5-206236 | * Correct trace target parameter for trace control in stage 3 | * Ericsson LM,Nokia | * revised |  | * S5-206313 |
| * S5-206237 | * Correct 5G trace parameter for trace control | * Ericsson LM, Nokia | * revised |  | * S5-206314 |
| * S5-206238 | * Rel-16 CR TS 28.310 Remove distributed scenario from inter-RAT energy saving use case | * Orange | * agreed |  |  |
| * S5-206239 | * Introducing ES probing procedure in TS 28.310 | * KPN N.V. | * noted |  |  |
| * S5-206240 | * Correction of reference list and adding references in the document | * Ericsson LM | * revised |  | * S5-206331 |
| * S5-206241 | * Correction of reference list and adding references in the document | * Ericsson LM | * revised |  | * S5-206332 |
| * S5-206242 | * Correction of reference in the document | * Ericsson LM | * agreed |  |  |
| * S5-206243 | * Correction of reference in the document | * Ericsson LM | * agreed |  |  |
| * S5-206244 | * Correction of reference in the document | * Ericsson LM | * agreed |  |  |
| * S5-206245 | * Correction of reference in the document | * Ericsson LM | * agreed |  |  |
| * S5-206246 | * Rel-16 CR 32.255 Correction of V-SMF Change in Roaming HR - flows | * China Mobile E-Commerce Co. | * withdrawn |  |  |
| * S5-206247 | * Rel-17 CR 32.240 Add PGW in logical ubiquitous charging architecture- service based interface | * China Mobile E-Commerce Co. | * revised |  | * S5-206415 |
| * S5-206248 | * Rel-17 CR 32.251 Addition of PGW supporting Nchf interface | * China Mobile E-Commerce Co. | * not pursued |  |  |
| * S5-206249 | * Rel-17 CR 32.290 Add PGW as consumer of ConvergedCharging service | * China Mobile E-Commerce Co. | * revised |  | * S5-206416 |
| * S5-206250 | * Rel-16 CR 32.255 Correction of V-SMF Change in Roaming HR - flows | * China Mobile E-Commerce Co. | * not treated |  |  |
| * S5-206251 | * 28.811 deploy two network slcies by same customer | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-206402 |
| * S5-206252 | * 28.811 extend skeleton to include security aspects | * Nokia, Nokia Shanghai Bell | * noted |  |  |
| * S5-206253 | * TR 28.817 skeleton | * Nokia Germany | * approved |  |  |
| * S5-206254 | * Rel-15 CR 32.291 Add missing value to NodeFunctionality for EPC Interworking Charging | * Openet Telecom | * not pursued |  |  |
| * S5-206255 | * Rel-15 CR 32.298 Add missing value to NodeFunctionality for EPC Interworking Charging | * Openet Telecom | * not pursued |  |  |
| * S5-206256 | * Rel-16 28.541 Proposal on clarification of ServiceProfile representations | * Ericsson LM | * revised |  | * S5-206329 |
| * S5-206257 | * Discussion paper on SA5 Requirements and Use Case template | * SA5 Vice Chair (Huawei), SA5 Chair | * noted |  |  |
| * S5-206258 | * Gap Analysis for Handover Optimization based on UE trajectory | * Nokia Germany | * revised |  | * S5-206381 |
| * S5-206259 | * Remove incorrect S-NSSAI definition from YANG SS | * Ericsson Hungary Ltd | * revised |  | * S5-206315 |
| * S5-206260 | * Fix incorrect reference in notification template. | * Ericsson LM | * revised |  | * S5-206305 |
| * S5-206261 | * Rel-16 CR 32.260 Removal of IMS service based charging interface | * Matrixx | * withdrawn |  |  |
| * S5-206262 | * Update notifyThresholdCrossing to be a common notification. | * Ericsson LM | * revised |  | * S5-206312 |
| * S5-206263 | * Gap Analysis for KPI Anomaly Analysis | * Nokia Germany | * revised |  | * S5-206379 |
| * S5-206264 | * Gap Analysis for MDA assisted SON coordination | * Nokia Germany | * revised |  | * S5-206396 |
| * S5-206265 | * Update notifyThresholdCrossing to be a common notification. | * Ericsson LM | * agreed |  |  |
| * S5-206266 | * Update notifyThresholdCrossing to be a common notification. | * Ericsson LM | * agreed |  |  |
| * S5-206267 | * Gap Analysis for Mobility performance Analysis | * Nokia Germany | * revised |  | * S5-206397 |
| * S5-206268 | * Update notifyThresholdCrossing to be a common notification. | * Ericsson LM | * agreed |  |  |
| * S5-206269 | * Rel-17 pCR 28.815 Introduce use cases and potential requirements | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-206428 |
| * S5-206270 | * pLMNInfoList faulty attribute definition | * Ericsson Hungary Ltd | * agreed |  |  |
| * S5-206271 | * pLMNInfoList faulty attribute definition | * Ericsson Hungary Ltd | * agreed |  |  |
| * S5-206272 | * Rel-16 CR 28.313 Add Load Balancing Optimization Requirements and Use Case | * Nokia Germany | * not pursued |  |  |
| * S5-206273 | * New SID on CI-CD support for network slicing | * Lenovo Mobile Com. Technology | * noted |  |  |
| * S5-206274 | * Rel 17 pCR - 28.809 MDAS detection of outlying MEs | * Lenovo Mobile Com. Technology | * revised |  | * S5-206398 |
| * S5-206275 | * Rel17 CR 28.535 Add use case and req for CL execution supervision | * Lenovo Mobile Com. Technology, Huawei | * not pursued |  | * - |
| * S5-206276 | * Rel17 CR 28.535 Add use case for limiting actions of an assurance loop | * Lenovo Mobile Com. Technology, Motorola Mobility | * revised |  | * S5-206368 |
| * S5-206277 | * Rel17 CR 28.535 Add use case for temporarily disabling NWDAF | * Lenovo Mobile Com. Technology | * not pursued |  |  |
| * S5-206278 | * Rel17 CR 28.535 Add use case for triggering assurance loop state change | * Lenovo Mobile Com. Technology, Motorola Mobility | * revised |  | * S5-206369 |
| * S5-206279 | * 28.818 skeleton | * Ericsson Hungary Ltd | * revised |  | * S5-206343 |
| * S5-206280 | * Reply LS ccSA5 on SA WG2 assumptions from conclusion of study on architecture aspects for using satellite access in 5G | * R3-207062 | * noted |  |  |
| * S5-206281 | * SA5 ToR update | * Ericsson LM | * revised |  | * S5-206301 |
| * S5-206282 | * SA5 meeting calendar | * Ericsson LM | * withdrawn |  |  |
| * S5-206283 | * Reply LS ccSA5 on support of stateless NFs | * C4-205487 | * postponed | * - | * - |
| * S5-206284 | * Rel-16 CR 28.541 Fix OpenAPI compilation errors in NRM | * Nokia | * agreed | * - | * - |
| * S5-206285 | * Rel-17 CR 28.541 Fix OpenAPI compilation errors in NRM | * Nokia | * agreed | * - | * - |
| * S5-206286 | * Reply to: LS to SA5 on policy models work in ETSI ISG NFV | * China Mobile | * approved | * - | * - |
| * S5-206287 | * Reply LS on the user consent for trace reporting | * R2-2010894 | * postponed | * - | * - |
| * S5-206288 | * LS on PCI conflict detection and reassignment | * R3-206979 | * noted | * - | * - |
| * S5-206289 | * Reply LS on on energy efficiency | * R3-207014 | * noted | * - | * - |
| * S5-206290 | * Reply LS on QoS Monitoring for URLLC | * R3-207177 | * postponed | * - | * - |
| * S5-206291 | * LS on Framework for QoE Measurement Collection | * R3-207189 | * noted | * - | * - |
| * S5-206292 | * LS to SA5 on MDT Stage 2 and Stage 3 alignment | * R3-207222 | * replied to | * - | * - |
| * S5-206293 | * Reply LS on URI for streaming trace reporting in LTE | * R3-207232 | * noted | * - | * - |
| * S5-206294 | * Response to LS Reply on Enhancement of RAN Slicing | * R3-207236 | * postponed | * - | * - |
| * S5-206295 | * Rel-16 CR 28.541 CR fix containment relationship for EP\_Transport IOC | * Nokia | * not pursued | * - | * - |
| * S5-206296 | * Rel-17 CR 28.541 CR fix containment relationship for EP\_Transport IOC | * Nokia | * not pursued | * - | * - |
| * S5-206297 | * Reply to: LS to SA5 on MDT Stage 2 and Stage 3 alignment | * Ericsson | * approved | * - | * - |
| * S5-206298 | * Reply to: Resubmitted LS on Counter of UEs Registering Network Slice | * China mobile | * revised | * S5-206148 | * S5-206346 |
| * S5-206299 | * Reply LS on Slice Information collection | * Samsung Electronics France SA | * approved | * S5-206039 | * - |
| * S5-206300 | * SA5 working procedures | * WG Chair | * approved | * S5-206011 | * - |
| * S5-206301 | * SA5 ToR update | * Ericsson LM | * agreed | * S5-206281 | * - |
| * S5-206302 | * GPB for File based Trace Format in 5G | * Ericsson LM | * noted | * S5-206074 | * - |
| * S5-206303 | * Add GPB trace record for file based support | * Ericsson LM | * agreed | * S5-206076 | * - |
| * S5-206304 | * New WID for Management Aspects of 5G Network Sharing | * China Unicom | * agreed | * S5-206044 | * - |
| * S5-206305 | * Fix incorrect reference in notification template. | * Ericsson LM | * agreed | * S5-206260 | * - |
| * S5-206306 | * Rel-16 CR 28.552 Correction of paging measurements | * Ericsson LM | * agreed | * S5-206133 | * - |
| * S5-206307 | * Rel-17 CR 28.552 Correction of paging measurements | * Ericsson LM | * agreed | * S5-206135 | * - |
| * S5-206308 | * Correction of NRM YANG errors | * Ericsson Hungary Ltd | * agreed | * S5-206034 | * - |
| * S5-206309 | * Correction of NRM YANG errors | * Ericsson Hungary Ltd | * agreed | * S5-206035 | * - |
| * S5-206310 | * Rel-16 CR 28.541 Move Distributed PCI control IOC from DU to CU | * Ericsson France S.A.S | * agreed | * S5-206067 | * - |
| * S5-206311 | * Rel-17 CR 28.541 Move Distributed PCI control IOC from DU to CU | * Ericsson France S.A.S | * agreed | * S5-206068 | * - |
| * S5-206312 | * Update notifyThresholdCrossing to be a common notification. | * Ericsson LM | * agreed | * S5-206262 | * - |
| * S5-206313 | * Correct trace target parameter for trace control in stage 3 | * Ericsson LM,Nokia | * agreed | * S5-206236 | * - |
| * S5-206314 | * Correct 5G trace parameter for trace control | * Ericsson LM, Nokia | * agreed | * S5-206237 | * - |
| * S5-206315 | * Remove incorrect S-NSSAI definition from YANG SS | * Ericsson Hungary Ltd | * agreed | * S5-206259 | * - |
| * S5-206316 | * Rel-17 CR 28.313 Correct Distributed PCI optimization | * Ericsson France S.A.S | * agreed | * S5-206052 | * - |
| * S5-206317 | * Input to draftCR TS 28.530 add requirements of closed loop SLS assurance | * Huawei Telecommunication India | * approved | * - | * - |
| * S5-206318 | * Rel-16 CR 28.532 Fix inconsistencies in guidelines for integration with ONAP VES | * Nokia, Orange, AT&T | * agreed | * S5-206070 | * - |
| * S5-206319 | * Rel-16 CR 28.532 Correct small errors in the Fault MnS (REST SS) | * Nokia, Nokia Shanghai Bell | * agreed | * S5-206157 | * - |
| * S5-206320 | * Add description of Communication service assurance service coming from 28.536 | * Ericsson LM, Deutsche Telekom, NEC | * agreed | * S5-206032 | * - |
| * S5-206321 | * Update figure and description of Communication service assurance service | * Ericsson LM, Deutsche Telekom, NEC | * agreed | * S5-206051 | * - |
| * S5-206322 | * Rel-16 input draftCR TS 28.535 Add lifecycle management of control loops | * Huawei Technologies Japan K.K. | * agreed | * - | * - |
| * S5-206324 | * Input to draft CR 28.536 Clarify valid values for AssuranceTarget | * Huawei | * approved | * S5-206054 | * - |
| * S5-206325 | * Add Annex on state management | * Ericsson, Deutsche Telekom | * agreed | * S5-206045 | * - |
| * S5-206326 | * Input to draftCR TS 28.535 Coordination between control loops | * Huawei Technologies Japan K.K. | * approved | * S5-206205 | * - |
| * S5-206327 | * Alarm Malfunction Analytics | * Nokia Germany | * approved | * S5-206213 | * - |
| * S5-206328 | * Rel-16 CR 28.623 Correct and add types in comDefs.yaml (OpenAPI definition) | * Nokia, Nokia Shanghai Bell | * agreed | * S5-206162 | * - |
| * S5-206329 | * Rel-16 28.541 Proposal on clarification of ServiceProfile representations | * Ericsson LM | * endorsed | * S5-206256 | * - |
| * S5-206330 | * Rel-16 CR TS 28.533 Add example of closed loop SLS assurance | * Huawei Telecommunication India | * agreed | * S5-206188 | * - |
| * S5-206331 | * Correction of reference list and adding references in the document | * Ericsson LM | * agreed | * S5-206240 | * - |
| * S5-206332 | * Correction of reference list and adding references in the document | * Ericsson LM | * agreed | * S5-206241 | * - |
| * S5-206333 | * draft CR Implement Assurance Closed Loop model changes | * Ericsson, Deutsche Telekom | * approved | * S5-206049 | * - |
| * S5-206334 | * Rel-16 CR TS 28.536 Implement Assurance Closed Loop model changes | * Ericsson, Deutsche Telekom | * agreed | * - | * - |
| * S5-206337 | * draft TR 28.811 | * Huawei | * approved | * - | * - |
| * S5-206338 | * draft TR 28.809 | * Intel | * approved | * - | * - |
| * S5-206339 | * draft TS 28.556 | * China Mobile | * approved | * - | * - |
| * S5-206340 | * draft TS 28.555 | * China Mobile | * approved | * - | * - |
| * S5-206341 | * draft TS 28.312 | * Huawei | * approved | * - | * - |
| * S5-206342 | * draft TS 28.100 | * China Mobile | * approved | * - | * - |
| * S5-206343 | * 28.818 skeleton | * Ericsson Hungary Ltd | * approved | * S5-206279 | * - |
| * S5-206344 | * Rel-16 CR 28.533 Correct inconsistent terminology | * Huawei | * agreed | * - | * - |
| * S5-206345 | * DraftCR for 6.4.4 eCOSLA - TS 28.535 | * Ericsson | * approved | * - | * - |
| * S5-206346 | * Reply to: Resubmitted LS on Counter of UEs Registering Network Slice | * China mobile | * approved | * S5-206298 | * - |
| * S5-206348 | * DraftCR for 6.4.8 5GDMS - TS 28.533 | * Huawei | * approved | * - | * - |
| * S5-206349 | * Draft CR TS 28.536 | * Ericsson | * approved | * - | * - |
| * S5-206350 | * Rel-17 CR TS 28.535 Add concept of closed control loop governing and monitoring | * HUAWEI Technologies Japan K.K. | * agreed | * - | * - |
| * S5-206351 | * Presentation sheet for TR28.808 | * TNO | * approved | * - | * - |
| * S5-206352 | * Add concept of autonomous network and autonomous network level | * HUAWEI,China Mobile | * approved | * S5-206167 | * - |
| * S5-206353 | * pCR TS 28.100 Add use case and requirements for coverage optimization | * HUAWEI,China Mobile | * approved | * S5-206170 | * - |
| * S5-206354 | * pCR 28.100 Add Introduction | * China Mobile, Huawei | * approved | * S5-206176 | * - |
| * S5-206355 | * pCR 28.100 Add definition for network and service management scenario types | * China Mobile, Huawei | * approved | * S5-206177 | * - |
| * S5-206356 | * pCR 28.100 Add dimensions for evaluating autonomous network levels | * China Mobile, Huawei | * approved | * S5-206178 | * - |
| * S5-206357 | * pCR 28.100 Add framework approach for evaluating autonomous network levels | * China Mobile, Huawei | * approved | * S5-206179 | * - |
| * S5-206358 | * pCR TS 28312 Update Clause 4.1.3 Intent categorizes based on management scenario types | * Huawei, China Mobile | * approved | * S5-206215 | * - |
| * S5-206359 | * pCR TS 28312 Update Clause 4.1.1 Introduction | * Huawei, China Mobie, Ericsson, China Unicom | * approved | * S5-206216 | * - |
| * S5-206360 | * pCR TS 28312 Add relation of intent driven management and policy driven management. | * Huawei,Ericsson, China Mobile, China Unicom | * approved | * S5-206217 | * - |
| * S5-206361 | * pCR TS 28312 Add use case and requirements for coverage optimization | * Huawei, China Telecom | * approved | * S5-206218 | * - |
| * S5-206362 | * pCR TS 28312 Add use case and requirements for RAN UE throughut optimization | * Huawei | * approved | * S5-206219 | * - |
| * S5-206363 | * pCR TS 28312 Add use case and requirements for radio network deployment | * Huawei | * approved | * S5-206220 | * - |
| * S5-206364 | * pCR 28.555 add specification level use cases | * China Mobile Com. Corporation | * approved | * S5-206027 | * - |
| * S5-206365 | * pCR 28.556 Add skeleton | * China Mobile Com. Corporation | * approved | * S5-206029 | * - |
| * S5-206366 | * Rel17 Input to draftCR 28.535 Add use case and req for CL execution supervision | * Lenovo Mobile Com. Technology, Huawei | * approved | * - | * - |
| * S5-206367 | * Add use case of network resource usage and performance prediction assisted SLS communication service Assurance | * China Mobile Com. Corporation | * agreed | * S5-206151 | * - |
| * S5-206368 | * Rel17 CR 28.535 Add use case for limiting actions of an assurance loop | * Lenovo Mobile Com. Technology, Motorola Mobility | * agreed | * S5-206276 | * - |
| * S5-206369 | * Rel17 CR 28.535 Add use case for triggering assurance loop state change | * Lenovo Mobile Com. Technology, Motorola Mobility | * agreed | * S5-206278 | * - |
| * S5-206370 | * Rel-17 CR TS 28.554 Add EE KPI definitions for network slices | * Orange, AT&T, Huawei, Deutsche Telekom, China Unicom | * agreed | * S5-206206 | * - |
| * S5-206371 | * LS to ETSI EE EEPS and ITU-T Q6/5 on Network Slice EE KPIs | * Orange | * revised | * S5-206208 | * S5-206446 |
| * S5-206372 | * LS to GSMA 5GJA on Network Slice EE KPIs | * Orange | * revised | * S5-206211 | * S5-206447 |
| * S5-206373 | * Discussion Paper on providing cell energySaving Status information to NWDAF | * China Telecom Corporation Ltd. | * endorsed | * S5-206124 | * - |
| * S5-206374 | * Rel-17 CR 28.533 Clarify Management Service data | * Huawei | * approved | * S5-206055 | * - |
| * S5-206375 | * Rel-17 pCR 28.809 Update potential solutions for the MDA assisted energy saving analysis | * China Telecom Corporation Ltd. | * approved | * S5-206026 | * - |
| * S5-206376 | * pCR 28.809 Update solution on MDA assisted energy saving | * Intel Ireland | * approved | * S5-206091 | * - |
| * S5-206377 | * pCR 28.809 Add conclusion for resource utilization analytics | * Intel Ireland | * approved | * S5-206090 | * - |
| * S5-206378 | * pCR 28.809 Add conclusion for coverage issue analysis | * Intel Ireland | * approved | * S5-206089 | * - |
| * S5-206379 | * Gap Analysis for KPI Anomaly Analysis | * Nokia Germany | * approved | * S5-206263 | * - |
| * S5-206380 | * pCR 28.809 HO Optimization based on UE Load | * Samsung Electronics France SA | * approved | * S5-206042 | * - |
| * S5-206381 | * Gap Analysis for Handover Optimization based on UE trajectory | * Nokia Germany | * approved | * S5-206258 | * - |
| * S5-206382 | * Load Balancing Optimization Solutions based on Resource Consumption and Service Specifics | * Nokia Germany | * approved | * S5-206166 | * - |
| * S5-206383 | * pCR 28.809 Update solutions on subscription and reporting of Management Data Analytics Reports | * Intel Ireland | * approved | * S5-206087 | * - |
| * S5-206384 | * pCR 28.809 Update solutions on request of Management Data Analytics Reports | * Intel Ireland | * approved | * S5-206088 | * - |
| * S5-206385 | * pCR 28.809 suggested conclustion for Alarm incident analysis | * Huawei | * approved | * S5-206060 | * - |
| * S5-206386 | * pCR 28.809 conclusion for NAS congestion control | * Huawei | * approved | * S5-206061 | * - |
| * S5-206387 | * Update the solution of Jitter analysis | * China Mobile Com. Corporation | * approved | * S5-206150 | * - |
| * S5-206388 | * pCR 28.809 Add the conclusion on Network slice load analysis | * HuaWei Technologies Co., Ltd | * approved | * S5-206154 | * - |
| * S5-206389 | * pCR 28.809 Add conclulsion on E2E latency analysis | * HuaWei Technologies Co., Ltd | * approved | * S5-206155 | * - |
| * S5-206390 | * pCR 28.809 Add the conclusion on service experience analysis | * HuaWei Technologies Co., Ltd | * approved | * S5-206158 | * - |
| * S5-206391 | * pCR 28.809 Add the conclusion on throughput analysis | * HuaWei Technologies Co., Ltd | * approved | * S5-206159 | * - |
| * S5-206392 | * New use case on slice coverage and throughput optimization | * Nokia Germany | * approved | * S5-206182 | * - |
| * S5-206393 | * Gap analysis for inter-gNB beam selection Optimization | * Nokia Germany | * approved | * S5-206207 | * - |
| * S5-206394 | * Gap Analysis for Security Risk Assessment | * Nokia Germany | * approved | * S5-206227 | * - |
| * S5-206395 | * pCR 28.809 Add conclusion for fault predication analysis | * ZTE Corporation | * approved | * S5-206235 | * - |
| * S5-206396 | * Gap Analysis for MDA assisted SON coordination | * Nokia Germany | * approved | * S5-206264 | * - |
| * S5-206397 | * Gap Analysis for Mobility performance Analysis | * Nokia Germany | * approved | * S5-206267 | * - |
| * S5-206398 | * Rel 17 pCR - 28.809 MDAS detection of outlying MEs | * Lenovo Mobile Com. Technology | * approved | * S5-206274 | * - |
| * S5-206399 | * pCR 28.811 Add cross-operator concept | * Huawei | * approved | * S5-206064 | * - |
| * S5-206400 | * pCR 28.811 Add end to end concept | * Huawei | * approved | * S5-206066 | * - |
| * S5-206401 | * pCR 28.811 Update references and terms | * Huawei | * approved | * S5-206063 | * - |
| * S5-206402 | * 28.811 deploy two network slcies by same customer | * Nokia, Nokia Shanghai Bell | * approved | * S5-206251 | * - |
| * S5-206403 | * pCR 28.811 Add cross-operator network slicing scenarios | * Huawei | * approved | * S5-206062 | * - |
| * S5-206404 | * LS reply on LS on 5G ProSe charging | * Nokia, Nokia Shanghai Bell | * approved | * S5-206233 | * - |
| * S5-206405 | * Rel-15 CR 32.291 Update OpenAPI version | * Huawei | * agreed | * - | * - |
| * S5-206406 | * Rel-16 CR 32.291 Correction on Storage of YAML files in 3GPP Forge and Copyright | * Huawei | * agreed | * S5-206144 | * - |
| * S5-206407 | * Rel-17 CR 32.260 Update of IMS nodes supporting Nchf | * Ericsson | * agreed | * S5-205424 | * - |
| * S5-206408 | * New SID on Charging Aspect of 5G LAN-type Services | * Huawei | * agreed | * S5-206113 | * - |
| * S5-206409 | * Rel-17 CR 32.260 Add service based architecture for offline charging | * Huawei | * agreed | * S5-206122 | * - |
| * S5-206410 | * Rel-17 CR 32.275 Add service based architecture for offline charging | * Huawei | * agreed | * S5-206123 | * - |
| * S5-206411 | * Rel-17 CR 32.290 Adding IMS nodes as NF consumers | * China Mobile | * agreed | * S5-206161 | * - |
| * S5-206412 | * Rel-17 CR TS 32.275 Adding converged charging in relevance table | * Ericsson | * agreed | * S5-206198 | * - |
| * S5-206413 | * Rel-17 CR TS 32.275 Adding converged charging for supplementary service | * Ericsson | * agreed | * S5-206199 | * - |
| * S5-206414 | * Rel-17 CR 32.260 Update of IMS nodes supporting Nchf | * Ericsson | * withdrawn | * - | * - |
| * S5-206415 | * Rel-17 CR 32.240 Add PGW in logical ubiquitous charging architecture- service based interface | * China Mobile E-Commerce Co. | * agreed | * S5-206247 | * - |
| * S5-206416 | * Rel-17 CR 32.290 Add PGW as consumer of ConvergedCharging service | * China Mobile E-Commerce Co. | * agreed | * S5-206249 | * - |
| * S5-206417 | * Rel-16 CR 32.255 Correction on the QoS inforamtion in PDU Container | * Huawei | * agreed | * S5-206099 | * - |
| * S5-206418 | * Rel-16 CR 32.255 Correction on the Quota Management Mode | * Huawei | * agreed | * S5-206112 | * - |
| * S5-206419 | * Rel-16 CR TS 32.255 Correction of PDU session modification flow | * Ericsson | * agreed | * S5-206190 | * - |
| * S5-206420 | * Rel-17 CR 32.255 Add Triggers for URLLC Charging | * Huawei | * agreed | * S5-206101 | * - |
| * S5-206421 | * Rel-17 CR 32.255 Add Message Flow for URLLC Charging | * Huawei | * agreed | * S5-206102 | * - |
| * S5-206422 | * Rel-17 CR 32.255 Add Charging Principle for Usage Reporting | * Huawei | * agreed | * S5-206104 | * - |
| * S5-206423 | * pCR 28.815 Add charging scenarios and key issues on charging for edge enabling resources and services | * Intel Ireland | * approved | * S5-206083 | * - |
| * S5-206424 | * pCR 28.815 Add key issue on charging of 5GS capabilities supporting EC based on monitored QoS | * Intel Ireland | * approved | * S5-206084 | * - |
| * S5-206425 | * pCR 28.815 Add potenial requirements and key issues on inter-provider charging for 5GS capabilities supporting EC | * Intel Ireland | * approved | * S5-206085 | * - |
| * S5-206426 | * pCR 28.815 Add possible solutions for end-user charging of 5GS capabilities supporting edge computing | * Intel Ireland | * approved | * S5-206086 | * - |
| * S5-206427 | * Rel-17 pCR 28.815 Refinements on architectures | * Nokia, Nokia Shanghai Bell | * approved | * S5-206234 | * - |
| * S5-206428 | * Rel-17 pCR 28.815 Introduce use cases and potential requirements | * Nokia, Nokia Shanghai Bell | * approved | * S5-206269 | * - |
| * S5-206429 | * Rel-17 pCR 28.815 Introduction of the scope | * Nokia, Nokia Shanghai Bell | * approved | * S5-206025 | * - |
| * S5-206430 | * Draft TR 28.815 | * China Telecomunication Corp | * approved | * - | * - |
| * S5-206431 | * pCR 28.816 add background for data connectivity charging | * Huawei | * approved | * S5-206115 | * - |
| * S5-206432 | * pCR 28.816 add background for control plane data transfer charging | * Huawei | * approved | * S5-206116 | * - |
| * S5-206433 | * pCR 28.816 add background for monitoring event charging | * Huawei | * approved | * S5-206117 | * - |
| * S5-206434 | * Draft TR 28.816 | * Huawei | * approved | * - | * - |
| * S5-206435 | * Rel-16 CR 32.290 Add the NB Mode disable | * Huawei | * agreed | * S5-206108 | * - |
| * S5-206436 | * pCR 32.846 Add terms and abbreviations | * CATT | * approved | * S5-206125 | * - |
| * S5-206437 | * pCR 32.846 Add concepts and overview of ProSe charing in 5GS | * CATT | * approved | * S5-206126 | * - |
| * S5-206438 | * pCR 32.846 Add architecture considerations for ProSe charing in 5GS | * CATT | * approved | * S5-206127 | * - |
| * S5-206439 | * pCR 32.846 Add general description and assumptions | * CATT | * approved | * S5-206128 | * - |
| * S5-206440 | * pCR 32.846 Add potential charging requirements | * CATT | * approved | * S5-206129 | * - |
| * S5-206441 | * pCR 32.846 Add key issues | * CATT | * approved | * S5-206130 | * - |
| * S5-206442 | * Draft TR 32.846 | * CATT | * approved | * - | * - |
| * S5-206443 | * CH agenda and time plan | * WG vice Chair (Nokia) | * noted | * S5-206008 | * - |
| * S5-206444 | * Rel-16 CR 32.290 Correction on the Quota Management Mode | * Huawei | * agreed | * S5-206110 | * - |
| * S5-206445 | * SID on charging aspects for enhancements of Network Slicing Phase 2 | * Matrixx | * agreed | * S5-206152 | * - |
| * S5-206446 | * LS to ETSI EE EEPS and ITU-T Q6/5 on Network Slice EE KPIs | * Orange | * approved | * S5-206371 | * - |
| * S5-206447 | * LS to GSMA 5GJA on Network Slice EE KPIs | * Orange | * approved | * S5-206372 | * - |

### A2: Tdoc decision timing

|  |  |  |
| --- | --- | --- |
| Document | Date/time UTC | Decision |
| * S5-206000 | * 27/11/2020 09:54:10 | * approved |
| * S5-206001 | * 27/11/2020 09:54:14 | * approved |
| * S5-206002 | * 27/11/2020 09:54:18 | * noted |
| * S5-206004 | * 27/11/2020 10:09:29 | * noted |
| * S5-206005 | * 27/11/2020 10:09:32 | * noted |
| * S5-206008 | * 26/11/2020 15:49:28 | * revised |
| * S5-206009 | * 27/11/2020 16:00:59 | * noted |
| * S5-206010 | * 27/11/2020 10:03:30 | * noted |
| * S5-206011 | * 27/11/2020 10:04:02 | * revised |
| * S5-206012 | * 27/11/2020 09:54:34 | * noted |
| * S5-206013 | * 27/11/2020 15:59:39 | * noted |
| * S5-206014 | * 27/11/2020 10:06:58 | * postponed |
| * S5-206015 | * 27/11/2020 09:54:50 | * replied to |
| * S5-206016 | * 27/11/2020 10:03:09 | * noted |
| * S5-206017 | * 27/11/2020 10:03:12 | * noted |
| * S5-206018 | * 27/11/2020 10:07:17 | * noted |
| * S5-206019 | * 27/11/2020 10:07:25 | * noted |
| * S5-206020 | * 26/11/2020 15:49:58 | * replied to |
| * S5-206021 | * 27/11/2020 10:00:25 | * available |
| * S5-206021 | * 27/11/2020 10:00:50 | * replied to |
| * S5-206022 | * 27/11/2020 10:00:00 | * noted |
| * S5-206023 | * 27/11/2020 10:06:29 | * noted |
| * S5-206024 | * 27/11/2020 10:06:32 | * noted |
| * S5-206025 | * 26/11/2020 16:16:58 | * revised |
| * S5-206026 | * 27/11/2020 14:31:59 | * revised |
| * S5-206027 | * 27/11/2020 14:12:14 | * revised |
| * S5-206028 | * 27/11/2020 14:12:18 | * approved |
| * S5-206029 | * 27/11/2020 14:13:19 | * revised |
| * S5-206030 | * 27/11/2020 14:13:23 | * approved |
| * S5-206031 | * 27/11/2020 14:03:15 | * agreed |
| * S5-206032 | * 27/11/2020 14:03:25 | * revised |
| * S5-206033 | * 27/11/2020 14:12:27 | * noted |
| * S5-206034 | * 27/11/2020 10:17:59 | * revised |
| * S5-206035 | * 27/11/2020 10:18:10 | * revised |
| * S5-206036 | * 27/11/2020 10:18:22 | * agreed |
| * S5-206037 | * 27/11/2020 10:18:24 | * agreed |
| * S5-206038 | * 27/11/2020 14:33:03 | * available |
| * S5-206039 | * 27/11/2020 10:01:51 | * revised |
| * S5-206040 | * 27/11/2020 14:30:57 | * noted |
| * S5-206041 | * 27/11/2020 14:30:38 | * noted |
| * S5-206042 | * 27/11/2020 14:38:32 | * revised |
| * S5-206044 | * 27/11/2020 10:13:56 | * revised |
| * S5-206045 | * 27/11/2020 14:07:01 | * revised |
| * S5-206046 | * 27/11/2020 10:19:57 | * agreed |
| * S5-206047 | * 27/11/2020 14:10:28 | * available |
| * S5-206048 | * 27/11/2020 14:10:36 | * available |
| * S5-206049 | * 27/11/2020 14:04:54 | * revised |
| * S5-206050 | * 27/11/2020 10:17:24 | * agreed |
| * S5-206051 | * 27/11/2020 14:03:49 | * revised |
| * S5-206052 | * 27/11/2020 13:58:36 | * revised |
| * S5-206053 | * 27/11/2020 14:05:34 | * noted |
| * S5-206054 | * 27/11/2020 14:06:13 | * revised |
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| * S5-206056 | * 27/11/2020 14:30:29 | * noted |
| * S5-206057 | * 27/11/2020 14:31:23 | * noted |
| * S5-206058 | * 27/11/2020 14:38:43 | * revised |
| * S5-206058 | * 27/11/2020 14:55:19 | * noted |
| * S5-206059 | * 27/11/2020 14:55:23 | * noted |
| * S5-206060 | * 27/11/2020 14:55:41 | * revised |
| * S5-206061 | * 27/11/2020 14:56:29 | * revised |
| * S5-206062 | * 27/11/2020 15:09:13 | * revised |
| * S5-206063 | * 27/11/2020 15:08:22 | * revised |
| * S5-206064 | * 27/11/2020 15:07:26 | * revised |
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| * S5-206066 | * 27/11/2020 15:08:04 | * revised |
| * S5-206067 | * 27/11/2020 10:19:13 | * revised |
| * S5-206068 | * 27/11/2020 10:19:26 | * revised |
| * S5-206069 | * 27/11/2020 10:14:17 | * noted |
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| * S5-206073 | * 27/11/2020 14:08:10 | * agreed |
| * S5-206074 | * 27/11/2020 10:12:48 | * revised |
| * S5-206075 | * 27/11/2020 10:20:05 | * agreed |
| * S5-206076 | * 27/11/2020 10:13:29 | * revised |
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| * S5-206078 | * 27/11/2020 13:58:56 | * available |
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| * S5-206081 | * 27/11/2020 10:19:44 | * available |
| * S5-206082 | * 27/11/2020 14:23:02 | * available |
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| * S5-206084 | * 26/11/2020 16:15:42 | * revised |
| * S5-206085 | * 26/11/2020 16:15:54 | * revised |
| * S5-206086 | * 26/11/2020 16:16:08 | * revised |
| * S5-206087 | * 27/11/2020 14:40:50 | * revised |
| * S5-206088 | * 27/11/2020 14:40:59 | * revised |
| * S5-206089 | * 27/11/2020 14:36:44 | * revised |
| * S5-206090 | * 27/11/2020 14:32:52 | * revised |
| * S5-206091 | * 27/11/2020 14:32:17 | * revised |
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| * S5-206101 | * 26/11/2020 16:14:44 | * revised |
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| * S5-206104 | * 26/11/2020 16:15:11 | * revised |
| * S5-206105 | * 26/11/2020 16:14:19 | * noted |
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| * S5-206107 | * 26/11/2020 16:47:50 | * available |
| * S5-206108 | * 26/11/2020 16:48:07 | * revised |
| * S5-206109 | * 26/11/2020 16:04:27 | * available |
| * S5-206110 | * 26/11/2020 16:04:44 | * revised |
| * S5-206111 | * 26/11/2020 16:09:00 | * available |
| * S5-206112 | * 26/11/2020 16:09:09 | * revised |
| * S5-206113 | * 26/11/2020 15:51:42 | * revised |
| * S5-206114 | * 26/11/2020 16:45:52 | * noted |
| * S5-206115 | * 26/11/2020 16:46:00 | * revised |
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| * S5-206123 | * 26/11/2020 15:52:49 | * revised |
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| * S5-206126 | * 26/11/2020 16:49:39 | * revised |
| * S5-206127 | * 26/11/2020 16:49:47 | * revised |
| * S5-206128 | * 26/11/2020 16:49:58 | * revised |
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| * S5-206142 | * 27/11/2020 10:16:25 | * agreed |
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| * S5-206145 | * 26/11/2020 16:09:52 | * available |
| * S5-206146 | * 26/11/2020 16:09:57 | * available |
| * S5-206147 | * 27/11/2020 14:37:04 | * available |
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| * S5-206152 | * 26/11/2020 15:51:57 | * revised |
| * S5-206153 | * 27/11/2020 14:37:45 | * available |
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| * S5-206155 | * 27/11/2020 15:03:02 | * revised |
| * S5-206157 | * 27/11/2020 14:00:31 | * revised |
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| * S5-206159 | * 27/11/2020 15:04:39 | * revised |
| * S5-206160 | * 27/11/2020 14:00:45 | * agreed |
| * S5-206161 | * 26/11/2020 15:53:04 | * revised |
| * S5-206162 | * 27/11/2020 13:41:29 | * revised |
| * S5-206163 | * 26/11/2020 15:53:16 | * available |
| * S5-206164 | * 27/11/2020 13:57:17 | * withdrawn |
| * S5-206165 | * 27/11/2020 14:00:49 | * agreed |
| * S5-206166 | * 27/11/2020 14:39:43 | * revised |
| * S5-206167 | * 27/11/2020 14:08:40 | * revised |
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| * S5-206171 | * 27/11/2020 15:04:45 | * noted |
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| * S5-206194 | * 26/11/2020 16:11:45 | * available |
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| * S5-206201 | * 26/11/2020 16:50:19 | * noted |
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| * S5-206207 | * 27/11/2020 15:05:28 | * revised |
| * S5-206208 | * 27/11/2020 14:24:11 | * revised |
| * S5-206209 | * 27/11/2020 14:23:22 | * available |
| * S5-206210 | * 27/11/2020 14:19:33 | * noted |
| * S5-206211 | * 27/11/2020 14:29:15 | * revised |
| * S5-206212 | * 27/11/2020 14:23:30 | * noted |
| * S5-206213 | * 27/11/2020 15:05:42 | * revised |
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| * S5-206215 | * 27/11/2020 14:11:04 | * revised |
| * S5-206216 | * 27/11/2020 14:11:13 | * revised |
| * S5-206217 | * 27/11/2020 14:11:22 | * revised |
| * S5-206218 | * 27/11/2020 14:11:36 | * revised |
| * S5-206219 | * 27/11/2020 14:11:45 | * revised |
| * S5-206220 | * 27/11/2020 14:11:54 | * revised |
| * S5-206221 | * 27/11/2020 13:57:55 | * agreed |
| * S5-206222 | * 27/11/2020 13:58:01 | * agreed |
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| * S5-206228 | * 26/11/2020 15:50:25 | * noted |
| * S5-206229 | * 27/11/2020 14:10:20 | * noted |
| * S5-206230 | * 26/11/2020 16:13:22 | * available |
| * S5-206231 | * 26/11/2020 16:13:26 | * available |
| * S5-206232 | * 26/11/2020 16:12:55 | * agreed |
| * S5-206233 | * 26/11/2020 15:51:10 | * revised |
| * S5-206234 | * 26/11/2020 16:16:31 | * revised |
| * S5-206235 | * 27/11/2020 15:06:07 | * revised |
| * S5-206236 | * 27/11/2020 13:40:51 | * revised |
| * S5-206237 | * 27/11/2020 13:41:09 | * revised |
| * S5-206238 | * 27/11/2020 13:58:12 | * agreed |
| * S5-206239 | * 27/11/2020 14:30:14 | * noted |
| * S5-206240 | * 27/11/2020 13:16:54 | * revised |
| * S5-206241 | * 27/11/2020 13:17:06 | * revised |
| * S5-206242 | * 27/11/2020 14:07:46 | * agreed |
| * S5-206243 | * 27/11/2020 14:07:49 | * agreed |
| * S5-206244 | * 27/11/2020 14:07:50 | * agreed |
| * S5-206245 | * 27/11/2020 14:07:52 | * agreed |
| * S5-206247 | * 26/11/2020 15:58:52 | * revised |
| * S5-206248 | * 26/11/2020 15:58:58 | * available |
| * S5-206249 | * 26/11/2020 15:59:09 | * revised |
| * S5-206250 | * 26/11/2020 16:48:39 | * available |
| * S5-206251 | * 27/11/2020 15:08:54 | * revised |
| * S5-206252 | * 27/11/2020 15:07:10 | * noted |
| * S5-206253 | * 27/11/2020 15:10:06 | * approved |
| * S5-206254 | * 26/11/2020 16:10:06 | * available |
| * S5-206255 | * 26/11/2020 16:10:09 | * available |
| * S5-206256 | * 27/11/2020 10:21:01 | * revised |
| * S5-206257 | * 27/11/2020 10:08:41 | * noted |
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| * S5-206260 | * 27/11/2020 10:14:49 | * revised |
| * S5-206261 | * 26/11/2020 15:53:55 | * withdrawn |
| * S5-206262 | * 27/11/2020 10:23:15 | * revised |
| * S5-206263 | * 27/11/2020 14:38:08 | * revised |
| * S5-206264 | * 27/11/2020 15:06:20 | * revised |
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| * S5-206269 | * 26/11/2020 16:16:39 | * revised |
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| * S5-206271 | * 27/11/2020 10:20:16 | * agreed |
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| * S5-206274 | * 27/11/2020 15:06:43 | * revised |
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| * S5-206276 | * 27/11/2020 14:22:28 | * revised |
| * S5-206277 | * 27/11/2020 14:22:35 | * available |
| * S5-206278 | * 27/11/2020 14:22:52 | * revised |
| * S5-206279 | * 27/11/2020 15:09:54 | * revised |
| * S5-206280 | * 27/11/2020 10:06:48 | * noted |
| * S5-206281 | * 27/11/2020 10:06:04 | * revised |
| * S5-206282 | * 10/11/2020 12:55:17 | * withdrawn |
| * S5-206283 | * 26/11/2020 19:24:26 | * postponed |
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| * S5-206287 | * 27/11/2020 10:10:34 | * postponed |
| * S5-206288 | * 27/11/2020 10:10:39 | * noted |
| * S5-206289 | * 27/11/2020 10:10:43 | * noted |
| * S5-206290 | * 27/11/2020 10:10:49 | * postponed |
| * S5-206291 | * 27/11/2020 10:10:55 | * noted |
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| * S5-206293 | * 27/11/2020 16:00:24 | * noted |
| * S5-206294 | * 27/11/2020 16:00:34 | * postponed |
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| * S5-206296 | * 27/11/2020 10:22:47 | * available |
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| * S5-206300 | * 27/11/2020 10:04:06 | * approved |
| * S5-206301 | * 27/11/2020 10:06:11 | * agreed |
| * S5-206302 | * 27/11/2020 10:12:50 | * agreed |
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| * S5-206308 | * 27/11/2020 10:18:00 | * agreed |
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| * S5-206310 | * 27/11/2020 10:19:14 | * agreed |
| * S5-206311 | * 27/11/2020 10:19:27 | * agreed |
| * S5-206312 | * 27/11/2020 10:23:17 | * agreed |
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| * S5-206320 | * 27/11/2020 14:03:26 | * agreed |
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| * S5-206322 | * 27/11/2020 14:04:09 | * agreed |
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| * S5-206329 | * 01/12/2020 13:34:16 | * available |
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| * S5-206332 | * 27/11/2020 13:17:07 | * agreed |
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| * S5-206336 | * 02/12/2020 10:10:17 | * withdrawn |
| * S5-206337 | * 01/12/2020 09:09:10 | * approved |
| * S5-206338 | * 04/12/2020 08:50:42 | * approved |
| * S5-206339 | * 01/12/2020 09:09:03 | * approved |
| * S5-206340 | * 01/12/2020 09:09:04 | * approved |
| * S5-206341 | * 01/12/2020 09:08:49 | * approved |
| * S5-206342 | * 01/12/2020 09:08:57 | * approved |
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| * S5-206360 | * 27/11/2020 14:11:23 | * approved |
| * S5-206361 | * 27/11/2020 14:11:37 | * approved |
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| * S5-206370 | * 27/11/2020 14:23:53 | * agreed |
| * S5-206371 | * 27/11/2020 14:24:16 | * approved |
| * S5-206371 | * 30/11/2020 08:53:30 | * revised |
| * S5-206372 | * 27/11/2020 14:29:16 | * approved |
| * S5-206372 | * 30/11/2020 08:53:47 | * revised |
| * S5-206373 | * 27/11/2020 14:29:57 | * reserved |
| * S5-206374 | * 27/11/2020 14:31:09 | * approved |
| * S5-206375 | * 27/11/2020 14:32:01 | * approved |
| * S5-206376 | * 27/11/2020 14:32:18 | * approved |
| * S5-206377 | * 27/11/2020 14:32:53 | * approved |
| * S5-206378 | * 27/11/2020 14:36:45 | * approved |
| * S5-206379 | * 27/11/2020 14:38:10 | * approved |
| * S5-206380 | * 27/11/2020 14:38:33 | * approved |
| * S5-206381 | * 27/11/2020 14:38:44 | * approved |
| * S5-206382 | * 27/11/2020 14:39:48 | * approved |
| * S5-206383 | * 27/11/2020 14:40:51 | * approved |
| * S5-206384 | * 27/11/2020 14:41:00 | * approved |
| * S5-206385 | * 27/11/2020 14:56:19 | * approved |
| * S5-206386 | * 27/11/2020 14:56:30 | * approved |
| * S5-206387 | * 27/11/2020 14:57:04 | * approved |
| * S5-206388 | * 27/11/2020 14:59:56 | * approved |
| * S5-206389 | * 27/11/2020 15:03:03 | * approved |
| * S5-206390 | * 27/11/2020 15:03:22 | * approved |
| * S5-206391 | * 27/11/2020 15:04:39 | * approved |
| * S5-206392 | * 27/11/2020 15:05:15 | * approved |
| * S5-206393 | * 27/11/2020 15:05:29 | * approved |
| * S5-206394 | * 27/11/2020 15:06:00 | * approved |
| * S5-206395 | * 27/11/2020 15:06:08 | * approved |
| * S5-206396 | * 27/11/2020 15:06:21 | * approved |
| * S5-206397 | * 27/11/2020 15:06:35 | * approved |
| * S5-206398 | * 27/11/2020 15:06:44 | * approved |
| * S5-206399 | * 27/11/2020 15:07:27 | * approved |
| * S5-206400 | * 27/11/2020 15:08:06 | * approved |
| * S5-206401 | * 27/11/2020 15:08:25 | * approved |
| * S5-206402 | * 27/11/2020 15:08:55 | * approved |
| * S5-206403 | * 27/11/2020 15:09:14 | * approved |
| * S5-206404 | * 26/11/2020 15:50:09 | * approved |
| * S5-206405 | * 30/11/2020 11:30:29 | * agreed |
| * S5-206406 | * 30/11/2020 11:30:36 | * agreed |
| * S5-206407 | * 26/11/2020 15:55:36 | * agreed |
| * S5-206407 | * 26/11/2020 15:56:23 | * revised |
| * S5-206407 | * 26/11/2020 16:02:43 | * agreed |
| * S5-206408 | * 26/11/2020 15:51:45 | * agreed |
| * S5-206409 | * 26/11/2020 15:52:28 | * agreed |
| * S5-206410 | * 26/11/2020 15:52:50 | * agreed |
| * S5-206411 | * 26/11/2020 15:53:05 | * agreed |
| * S5-206412 | * 26/11/2020 15:53:36 | * agreed |
| * S5-206413 | * 26/11/2020 15:53:45 | * agreed |
| * S5-206414 | * 26/11/2020 15:56:26 | * agreed |
| * S5-206414 | * 26/11/2020 16:02:58 | * withdrawn |
| * S5-206415 | * 26/11/2020 15:58:53 | * agreed |
| * S5-206416 | * 26/11/2020 15:59:10 | * agreed |
| * S5-206417 | * 26/11/2020 16:04:16 | * agreed |
| * S5-206418 | * 26/11/2020 16:09:12 | * agreed |
| * S5-206419 | * 26/11/2020 16:11:31 | * agreed |
| * S5-206420 | * 26/11/2020 16:14:45 | * agreed |
| * S5-206421 | * 26/11/2020 16:14:57 | * agreed |
| * S5-206422 | * 26/11/2020 16:15:12 | * agreed |
| * S5-206423 | * 26/11/2020 16:15:32 | * approved |
| * S5-206424 | * 26/11/2020 16:15:43 | * approved |
| * S5-206425 | * 26/11/2020 16:15:55 | * approved |
| * S5-206426 | * 26/11/2020 16:16:09 | * approved |
| * S5-206427 | * 26/11/2020 16:16:32 | * approved |
| * S5-206428 | * 26/11/2020 16:16:40 | * approved |
| * S5-206429 | * 26/11/2020 16:16:59 | * approved |
| * S5-206430 | * 04/12/2020 08:50:48 | * approved |
| * S5-206431 | * 26/11/2020 16:46:02 | * approved |
| * S5-206432 | * 26/11/2020 16:46:11 | * approved |
| * S5-206433 | * 26/11/2020 16:46:21 | * approved |
| * S5-206434 | * 02/12/2020 10:10:02 | * approved |
| * S5-206435 | * 26/11/2020 16:48:22 | * agreed |
| * S5-206436 | * 26/11/2020 16:49:31 | * approved |
| * S5-206437 | * 26/11/2020 16:49:40 | * approved |
| * S5-206438 | * 26/11/2020 16:49:48 | * approved |
| * S5-206439 | * 26/11/2020 16:49:59 | * approved |
| * S5-206440 | * 26/11/2020 16:50:08 | * approved |
| * S5-206441 | * 26/11/2020 16:50:16 | * approved |
| * S5-206442 | * 02/12/2020 10:10:08 | * approved |
| * S5-206443 | * 27/11/2020 16:00:57 | * noted |
| * S5-206444 | * 26/11/2020 16:04:47 | * agreed |
| * S5-206445 | * 26/11/2020 15:51:59 | * agreed |
| * S5-206446 | * 30/11/2020 09:30:22 | * approved |
| * S5-206447 | * 30/11/2020 09:30:19 | * approved |

## Annex B: List of change requests

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| * S5-206221 | * Rel-16 CR 28.310 Correction on general descriptions of centralized energy saving activation and deactivation | * Huawei, Orange | * 28.310 | * 0003 | * - | * Rel-16 | * F | * EE\_5G | * agreed |
| * S5-206222 | * Rel-16 CR 28.310 Corrections on distributed ES solution | * Huawei, Orange | * 28.310 | * 0004 | * - | * Rel-16 | * F | * EE\_5G | * agreed |
| * S5-206223 | * Rel-16 CR 28.310 Correction on general descriptions of distributed energy saving activation and deactivation | * Huawei, Orange | * 28.310 | * 0005 | * - | * Rel-16 | * F | * EE\_5G | * agreed |
| * S5-206225 | * Rel-16 CR TS 28.310 Remove the distributed scenario from the inter-RAT energy saving use case | * Orange | * 28.310 | * 0006 | * - | * Rel-16 | * F | * EE5GPLUS | * withdrawn |
| * S5-206238 | * Rel-16 CR TS 28.310 Remove distributed scenario from inter-RAT energy saving use case | * Orange | * 28.310 | * 0007 | * - | * Rel-16 | * F | * EE\_5G | * agreed |
| * S5-206052 | * Rel-16 CR 28.313 Correct Distributed PCI optimization | * Ericsson France S.A.S | * 28.313 | * 0007 | * 1 | * Rel-16 | * F | * SON\_5G | * revised |
| * S5-206316 | * Rel-17 CR 28.313 Correct Distributed PCI optimization | * Ericsson France S.A.S | * 28.313 | * 0007 | * 2 | * Rel-17 | * B | * eSON\_5G | * agreed |
| * S5-206078 | * Rel-16 CR 28.313 Correct the PCI notifications | * Intel Corporation (UK) Ltd | * 28.313 | * 0008 | * - | * Rel-16 | * F | * SON\_5G | * merged |
| * S5-206079 | * Rel-16 CR 28.541 Add stage 2 solution for PCI notification attributes | * Intel Corporation (UK) Ltd | * 28.313 | * 0009 | * - | * Rel-16 | * B | * SON\_5G | * withdrawn |
| * S5-206082 | * Rel-17 CR 28.313 Add LBO use cases, requirements, and related information | * Intel Corporation (UK) Ltd | * 28.313 | * 0010 | * - | * Rel-17 | * B | * eSON\_5G | * not pursued |
| * S5-206272 | * Rel-16 CR 28.313 Add Load Balancing Optimization Requirements and Use Case | * Nokia Germany | * 28.313 | * 0011 | * - | * Rel-16 | * B | * eSON\_5G | * not pursued |
| * S5-206184 | * Rel-16 CR TS 28.530 Add the chapter of high level features | * Huawei Telecommunication India | * 28.530 | * 0036 | * - | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-206187 | * Rel-16 CR TS 28.530 add requirements of closed loop SLS assurance | * Huawei Telecommunication India | * 28.530 | * 0037 | * - | * Rel-16 | * F | * COSLA | * not pursued |
| * S5-206072 | * Rel-16 CR TS 28.532 Update generic streaming MnS | * Huawei | * 28.532 | * 0149 | * 2 | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-206202 | * Rel-16 CR 28.532 Extend object creation method with id selection by the MnS producer (stage 2) | * Nokia, Nokia Shanghai Bell | * 28.532 | * 0151 | * 1 | * Rel-16 | * F | * TEI16 | * not pursued |
| * S5-206203 | * Rel-16 CR 28.532 Extend object creation method with id selection by the MnS producer (REST SS, OpenAPI definition) | * Nokia, Nokia Shanghai Bell | * 28.532 | * 0159 | * 1 | * Rel-16 | * F | * TEI16 | * not pursued |
| * S5-206070 | * Rel-16 CR 28.532 Fix inconsistencies in guidelines for integration with ONAP VES | * Nokia, Orange, AT&T | * 28.532 | * 0160 | * - | * Rel-16 | * F | * ONAP3GPP | * revised |
| * S5-206318 | * Rel-16 CR 28.532 Fix inconsistencies in guidelines for integration with ONAP VES | * Nokia, Orange, AT&T | * 28.532 | * 0160 | * 1 | * Rel-16 | * F | * ONAP3GPP | * agreed |
| * S5-206157 | * Rel-16 CR 28.532 Correct small errors in the Fault MnS (REST SS) | * Nokia, Nokia Shanghai Bell | * 28.532 | * 0161 | * - | * Rel-16 | * F | * TEI16, REST\_SS | * revised |
| * S5-206319 | * Rel-16 CR 28.532 Correct small errors in the Fault MnS (REST SS) | * Nokia, Nokia Shanghai Bell | * 28.532 | * 0161 | * 1 | * Rel-16 | * F | * TEI16, REST\_SS | * agreed |
| * S5-206160 | * Rel-16 CR 28.532 Align ProvMnS data type names to UpperCamel (REST SS, OpenAPI definition) | * Nokia, Nokia Shanghai Bell | * 28.532 | * 0162 | * - | * Rel-16 | * F | * TEI16, REST\_SS | * agreed |
| * S5-206188 | * Rel-16 CR TS 28.533 Add example of closed loop SLS assurance | * Huawei Telecommunication India | * 28.533 | * 0075 | * - | * Rel-16 | * F | * COSLA | * revised |
| * S5-206330 | * Rel-16 CR TS 28.533 Add example of closed loop SLS assurance | * Huawei Telecommunication India | * 28.533 | * 0075 | * 1 | * Rel-16 | * F | * COSLA | * agreed |
| * S5-206344 | * Rel-16 CR 28.533 Correct inconsistent terminology | * Huawei | * 28.533 | * 0076 | * - | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-206032 | * Add description of Communication service assurance service coming from 28.536 | * Ericsson LM, Deutsche Telekom, NEC | * 28.535 | * 0013 | * - | * Rel-16 | * F | * COSLA | * revised |
| * S5-206320 | * Add description of Communication service assurance service coming from 28.536 | * Ericsson LM, Deutsche Telekom, NEC | * 28.535 | * 0013 | * 1 | * Rel-16 | * F | * COSLA | * agreed |
| * S5-206051 | * Update figure and description of Communication service assurance service | * Ericsson LM, Deutsche Telekom, NEC | * 28.535 | * 0014 | * - | * Rel-16 | * F | * COSLA | * revised |
| * S5-206321 | * Update figure and description of Communication service assurance service | * Ericsson LM, Deutsche Telekom, NEC | * 28.535 | * 0014 | * 1 | * Rel-16 | * F | * COSLA | * agreed |
| * S5-206151 | * Add use case of network resource usage and performance prediction assisted SLS communication service Assurance | * China Mobile Com. Corporation | * 28.535 | * 0015 | * - | * Rel-17 | * B | * eCOSLA | * revised |
| * S5-206367 | * Add use case of network resource usage and performance prediction assisted SLS communication service Assurance | * China Mobile Com. Corporation | * 28.535 | * 0015 | * 1 | * Rel-17 | * B | * eCOSLA | * agreed |
| * S5-206169 | * Rel-16 CR TS 28.535 Add lifecycle management of control loops | * Huawei Technologies Japan K.K. | * 28.535 | * 0016 | * - | * Rel-16 | * F | * COSLA | * not pursued |
| * S5-206181 | * Rel-16 CR TS 28.535 Update open control loops | * Huawei Technologies Japan K.K. | * 28.535 | * 0017 | * - | * Rel-16 | * F | * COSLA | * not pursued |
| * S5-206275 | * Rel17 CR 28.535 Add use case and req for CL execution supervision | * Lenovo Mobile Com. Technology, Huawei | * 28.535 | * 0018 | * - | * Rel-17 | * B | * eCOSLA | * not pursued |
| * S5-206276 | * Rel17 CR 28.535 Add use case for limiting actions of an assurance loop | * Lenovo Mobile Com. Technology, Motorola Mobility | * 28.535 | * 0019 | * - | * Rel-17 | * B | * eCOSLA | * revised |
| * S5-206368 | * Rel17 CR 28.535 Add use case for limiting actions of an assurance loop | * Lenovo Mobile Com. Technology, Motorola Mobility | * 28.535 | * 0019 | * 1 | * Rel-17 | * B | * eCOSLA | * agreed |
| * S5-206277 | * Rel17 CR 28.535 Add use case for temporarily disabling NWDAF | * Lenovo Mobile Com. Technology | * 28.535 | * 0020 | * - | * Rel-17 | * B | * eCOSLA | * not pursued |
| * S5-206278 | * Rel17 CR 28.535 Add use case for triggering assurance loop state change | * Lenovo Mobile Com. Technology, Motorola Mobility | * 28.535 | * 0021 | * - | * Rel-17 | * B | * eCOSLA | * revised |
| * S5-206369 | * Rel17 CR 28.535 Add use case for triggering assurance loop state change | * Lenovo Mobile Com. Technology, Motorola Mobility | * 28.535 | * 0021 | * 1 | * Rel-17 | * B | * eCOSLA | * agreed |
| * S5-206350 | * Rel-17 CR TS 28.535 Add concept of closed control loop governing and monitoring | * HUAWEI Technologies Japan K.K. | * 28.535 | * 0022 | * - | * Rel-17 | * B | * eCOSLA | * agreed |
| * S5-206031 | * Move and update content of clause 4.1.1 to 28.535 | * Ericsson LM, Deutsche Telekom, NEC | * 28.536 | * 0010 | * 2 | * Rel-16 | * F | * COSLA | * agreed |
| * S5-206045 | * Add Annex on state management | * Ericsson, Deutsche Telekom | * 28.536 | * 0013 | * - | * Rel-16 | * F | * COSLA | * revised |
| * S5-206325 | * Add Annex on state management | * Ericsson, Deutsche Telekom | * 28.536 | * 0013 | * 1 | * Rel-16 | * F | * COSLA | * agreed |
| * S5-206183 | * Rel-16 CR TS 28.536 Update SLS Assurance Procedure | * Huawei Technologies Japan K.K. | * 28.536 | * 0014 | * - | * Rel-16 | * F | * COSLA | * not pursued |
| * S5-206185 | * Rel-16 CR TS 28.536 Update coslaNrm\_yml | * Huawei Technologies Japan K.K. | * 28.536 | * 0015 | * - | * Rel-16 | * F | * COSLA | * not pursued |
| * S5-206334 | * Rel-16 CR TS 28.536 Implement Assurance Closed Loop model changes | * Ericsson, Deutsche Telekom | * 28.536 | * 0016 | * - | * Rel-16 | * F | * COSLA | * agreed |
| * S5-206067 | * Rel-16 CR 28.541 Move Distributed PCI control IOC from DU to CU | * Ericsson France S.A.S | * 28.541 | * 0385 | * 1 | * Rel-16 | * F | * SON\_5G | * revised |
| * S5-206310 | * Rel-16 CR 28.541 Move Distributed PCI control IOC from DU to CU | * Ericsson France S.A.S | * 28.541 | * 0385 | * 2 | * Rel-16 | * F | * SON\_5G | * agreed |
| * S5-206068 | * Rel-17 CR 28.541 Move Distributed PCI control IOC from DU to CU | * Ericsson France S.A.S | * 28.541 | * 0386 | * 1 | * Rel-17 | * F | * SON\_5G | * revised |
| * S5-206311 | * Rel-17 CR 28.541 Move Distributed PCI control IOC from DU to CU | * Ericsson France S.A.S | * 28.541 | * 0386 | * 2 | * Rel-17 | * F | * SON\_5G | * agreed |
| * S5-206034 | * Correction of NRM YANG errors | * Ericsson Hungary Ltd | * 28.541 | * 0409 | * - | * Rel-16 | * F | * eNRM | * revised |
| * S5-206308 | * Correction of NRM YANG errors | * Ericsson Hungary Ltd | * 28.541 | * 0409 | * 1 | * Rel-16 | * F | * eNRM | * agreed |
| * S5-206035 | * Correction of NRM YANG errors | * Ericsson Hungary Ltd | * 28.541 | * 0410 | * - | * Rel-17 | * A | * eNRM | * revised |
| * S5-206309 | * Correction of NRM YANG errors | * Ericsson Hungary Ltd | * 28.541 | * 0410 | * 1 | * Rel-17 | * A | * eNRM | * agreed |
| * S5-206036 | * YANG improvements | * Ericsson Hungary Ltd | * 28.541 | * 0411 | * - | * Rel-16 | * F | * eNRM | * agreed |
| * S5-206037 | * YANG improvements | * Ericsson Hungary Ltd | * 28.541 | * 0412 | * - | * Rel-17 | * A | * eNRM | * agreed |
| * S5-206046 | * Add serviceProfileId and sliceProfileId to stage 3 yaml | * Ericsson, Deutsche Telekom | * 28.541 | * 0413 | * - | * Rel-16 | * F | * COSLA | * agreed |
| * S5-206075 | * Add serviceProfileId and sliceProfileId to stage 3 yaml | * Ericsson, Deutsche Telekom | * 28.541 | * 0414 | * - | * Rel-17 | * A | * COSLA | * agreed |
| * S5-206080 | * Rel-16 CR 28.541 Add stage 2 solution for PCI notification attributes | * Intel Corporation (UK) Ltd | * 28.541 | * 0415 | * - | * Rel-16 | * B | * eSON\_5G | * not pursued |
| * S5-206081 | * Rel-16 CR 28.541 Add stage 3 solution for PCI notification attributes | * Intel Corporation (UK) Ltd | * 28.541 | * 0416 | * - | * Rel-16 | * B | * eSON\_5G | * not pursued |
| * S5-206226 | * Add RRMPolicyRatiointoSliceProfile | * China Mobile Com. Corporation | * 28.541 | * 0417 | * - | * Rel-16 | * F | * eNRM | * not pursued |
| * S5-206266 | * Update notifyThresholdCrossing to be a common notification. | * Ericsson LM | * 28.541 | * 0418 | * - | * Rel-16 | * F | * eNRM | * agreed |
| * S5-206268 | * Update notifyThresholdCrossing to be a common notification. | * Ericsson LM | * 28.541 | * 0419 | * - | * Rel-17 | * A | * eNRM | * agreed |
| * S5-206270 | * pLMNInfoList faulty attribute definition | * Ericsson Hungary Ltd | * 28.541 | * 0420 | * - | * Rel-16 | * F | * eNRM | * agreed |
| * S5-206271 | * pLMNInfoList faulty attribute definition | * Ericsson Hungary Ltd | * 28.541 | * 0421 | * - | * Rel-17 | * A | * eNRM | * agreed |
| * S5-206284 | * Rel-16 CR 28.541 Fix OpenAPI compilation errors in NRM | * Nokia | * 28.541 | * 0422 | * - | * Rel-16 | * F | * eNRM | * agreed |
| * S5-206285 | * Rel-17 CR 28.541 Fix OpenAPI compilation errors in NRM | * Nokia | * 28.541 | * 0423 | * - | * Rel-17 | * A | * eNRM | * agreed |
| * S5-206295 | * Rel-16 CR 28.541 CR fix containment relationship for EP\_Transport IOC | * Nokia | * 28.541 | * 0424 | * - | * Rel-16 | * F | * TEI16 | * not pursued |
| * S5-206296 | * Rel-17 CR 28.541 CR fix containment relationship for EP\_Transport IOC | * Nokia | * 28.541 | * 0425 | * - | * Rel-17 | * A | * TEI16 | * not pursued |
| * S5-206073 | * Rel-16 CR TS 28.550 Update attribute measType used in Annex C | * HUAWEI Technologies Japan K.K. | * 28.550 | * 0065 | * - | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-206077 | * Rel-16 CR 28.552 Add PCI related measurement | * Intel Corporation (UK) Ltd | * 28.552 | * 0273 | * - | * Rel-16 | * B | * eSON\_5G | * not pursued |
| * S5-206131 | * Addition of MO SMS mesurements for SMSF | * China Mobile Com. Corporation | * 28.552 | * 0274 | * - | * Rel-16 | * F | * 5G\_SLICE\_ePA | * not pursued |
| * S5-206132 | * Addition of Registration mesurements for SMSF | * China Mobile Com. Corporation | * 28.552 | * 0275 | * - | * Rel-16 | * F | * 5G\_SLICE\_ePA | * not pursued |
| * S5-206133 | * Rel-16 CR 28.552 Correction of paging measurements | * Ericsson LM | * 28.552 | * 0276 | * - | * Rel-16 | * F | * 5G\_SLICE\_ePA | * revised |
| * S5-206306 | * Rel-16 CR 28.552 Correction of paging measurements | * Ericsson LM | * 28.552 | * 0276 | * 1 | * Rel-16 | * F | * 5G\_SLICE\_ePA | * agreed |
| * S5-206134 | * Rel-16 CR 28.552 Add missing paging discard measurements | * Ericsson LM | * 28.552 | * 0277 | * - | * Rel-16 | * F | * 5G\_SLICE\_ePA | * agreed |
| * S5-206135 | * Rel-17 CR 28.552 Correction of paging measurements | * Ericsson LM | * 28.552 | * 0278 | * - | * Rel-17 | * A | * 5G\_SLICE\_ePA | * revised |
| * S5-206307 | * Rel-17 CR 28.552 Correction of paging measurements | * Ericsson LM | * 28.552 | * 0278 | * 1 | * Rel-17 | * A | * 5G\_SLICE\_ePA | * agreed |
| * S5-206136 | * Rel-17 CR 28.552 Add missing paging discard measurements | * Ericsson LM | * 28.552 | * 0279 | * - | * Rel-17 | * A | * 5G\_SLICE\_ePA | * agreed |
| * S5-206137 | * Rel-16 CR TS 28.552 Correct measurements related to QoS Flow release and DRB release | * Ericsson LM | * 28.552 | * 0280 | * - | * Rel-16 | * F | * 5G\_SLICE\_ePA | * agreed |
| * S5-206141 | * Rel-17 CR TS 28.552 Correct measurements related to QoS Flow release and DRB release | * Ericsson LM | * 28.552 | * 0281 | * - | * Rel-17 | * A | * 5G\_SLICE\_ePA | * agreed |
| * S5-206138 | * Rel-16 CR 28.554 Correction and alignment of Retainability KPIs definitions | * Ericsson LM | * 28.554 | * 0066 | * - | * Rel-16 | * F | * 5G\_SLICE\_ePA | * agreed |
| * S5-206140 | * Rel-16 CR 28.554 Add missing KPI for inter system Handover success rate | * Ericsson LM | * 28.554 | * 0067 | * - | * Rel-16 | * F | * 5G\_SLICE\_ePA | * agreed |
| * S5-206142 | * Rel-17 CR 28.554 Correction and alignment of Retainability KPIs definitions | * Ericsson LM | * 28.554 | * 0068 | * - | * Rel-17 | * A | * 5G\_SLICE\_ePA | * agreed |
| * S5-206143 | * Rel-17 CR 28.554 Add missing KPI for inter system Handover success rate | * Ericsson LM | * 28.554 | * 0069 | * - | * Rel-17 | * A | * 5G\_SLICE\_ePA | * agreed |
| * S5-206149 | * Delete the KPI of Registered subscribers of network and network slice through UDM | * China Mobile Com. Corporation | * 28.554 | * 0070 | * - | * Rel-16 | * F | * 5G\_SLICE\_ePA | * not pursued |
| * S5-206206 | * Rel-17 CR TS 28.554 Add EE KPI definitions for network slices | * Orange, AT&T, Huawei, Deutsche Telekom, China Unicom | * 28.554 | * 0071 | * - | * Rel-17 | * B | * EE5GPLUS | * revised |
| * S5-206370 | * Rel-17 CR TS 28.554 Add EE KPI definitions for network slices | * Orange, AT&T, Huawei, Deutsche Telekom, China Unicom | * 28.554 | * 0071 | * 1 | * Rel-17 | * B | * EE5GPLUS | * agreed |
| * S5-206095 | * Rel-16 CR TS 28.622 Correct the attributes description of the IOCs inherited from Top and Top\_ | * ZTE Corporation | * 28.622 | * 0093 | * - | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-206237 | * Correct 5G trace parameter for trace control | * Ericsson LM, Nokia | * 28.622 | * 0094 | * - | * Rel-16 | * F | * 5GMDT | * revised |
| * S5-206314 | * Correct 5G trace parameter for trace control | * Ericsson LM, Nokia | * 28.622 | * 0094 | * 1 | * Rel-16 | * F | * 5GMDT | * agreed |
| * S5-206265 | * Update notifyThresholdCrossing to be a common notification. | * Ericsson LM | * 28.622 | * 0095 | * - | * Rel-16 | * F | * eNRM | * agreed |
| * S5-206162 | * Rel-16 CR 28.623 Correct and add types in comDefs.yaml (OpenAPI definition) | * Nokia, Nokia Shanghai Bell | * 28.623 | * 0115 | * - | * Rel-16 | * F | * TEI16, REST\_SS | * revised |
| * S5-206328 | * Rel-16 CR 28.623 Correct and add types in comDefs.yaml (OpenAPI definition) | * Nokia, Nokia Shanghai Bell | * 28.623 | * 0115 | * 1 | * Rel-16 | * F | * TEI16, REST\_SS | * agreed |
| * S5-206164 | * Rel-16 CR 28.623 Correct validation errors in genericNrm.yaml (OpenAPI definition) | * Nokia, Nokia Shanghai Bell | * 28.623 | * 0116 | * - | * Rel-16 | * F | * TEI16, REST\_SS | * withdrawn |
| * S5-206236 | * Correct trace target parameter for trace control in stage 3 | * Ericsson LM,Nokia | * 28.623 | * 0117 | * - | * Rel-16 | * F | * 5GMDT | * revised |
| * S5-206313 | * Correct trace target parameter for trace control in stage 3 | * Ericsson LM,Nokia | * 28.623 | * 0117 | * 1 | * Rel-16 | * F | * 5GMDT | * agreed |
| * S5-206259 | * Remove incorrect S-NSSAI definition from YANG SS | * Ericsson Hungary Ltd | * 28.623 | * 0118 | * - | * Rel-16 | * F | * eNRM | * revised |
| * S5-206315 | * Remove incorrect S-NSSAI definition from YANG SS | * Ericsson Hungary Ltd | * 28.623 | * 0118 | * 1 | * Rel-16 | * F | * eNRM | * agreed |
| * S5-206047 | * Rel-17 CR 28.812 Modification to Figure 4.4-1 | * China Mobile Com. Corporation | * 28.812 | * 0001 | * - | * Rel-17 | * F | * IDMS\_MN | * not pursued |
| * S5-206048 | * Rel-17 CR 28.812 Modification to Figure 6.2-1 | * China Mobile Com. Corporation | * 28.812 | * 0002 | * - | * Rel-17 | * F | * IDMS\_MN | * not pursued |
| * S5-206214 | * Rel-17 CR TR28.812 Address the issues requested by EditHelp | * Huawei | * 28.812 | * 0003 | * - | * Rel-17 | * D | * IDMS\_MN | * agreed |
| * S5-206240 | * Correction of reference list and adding references in the document | * Ericsson LM | * 32.103 | * 0026 | * - | * Rel-11 | * F | * TEI11 | * revised |
| * S5-206331 | * Correction of reference list and adding references in the document | * Ericsson LM | * 32.103 | * 0026 | * 1 | * Rel-11 | * F | * TEI11 | * agreed |
| * S5-206241 | * Correction of reference list and adding references in the document | * Ericsson LM | * 32.103 | * 0027 | * - | * Rel-12 | * A | * TEI11 | * revised |
| * S5-206332 | * Correction of reference list and adding references in the document | * Ericsson LM | * 32.103 | * 0027 | * 1 | * Rel-12 | * A | * TEI11 | * agreed |
| * S5-206242 | * Correction of reference in the document | * Ericsson LM | * 32.103 | * 0028 | * - | * Rel-13 | * A | * TEI11 | * agreed |
| * S5-206243 | * Correction of reference in the document | * Ericsson LM | * 32.103 | * 0029 | * - | * Rel-14 | * A | * TEI11 | * agreed |
| * S5-206244 | * Correction of reference in the document | * Ericsson LM | * 32.103 | * 0030 | * - | * Rel-15 | * A | * TEI11 | * agreed |
| * S5-206245 | * Correction of reference in the document | * Ericsson LM | * 32.103 | * 0031 | * - | * Rel-16 | * A | * TEI11 | * agreed |
| * S5-206165 | * Rel-16 CR 32.158 Correct REST SS specification template | * Nokia, Nokia Shanghai Bell | * 32.158 | * 0016 | * - | * Rel-16 | * F | * TEI16, REST\_SS | * agreed |
| * S5-206260 | * Fix incorrect reference in notification template. | * Ericsson LM | * 32.160 | * 0011 | * - | * Rel-16 | * F | * eNRM | * revised |
| * S5-206305 | * Fix incorrect reference in notification template. | * Ericsson LM | * 32.160 | * 0011 | * 1 | * Rel-16 | * F | * eNRM | * agreed |
| * S5-206262 | * Update notifyThresholdCrossing to be a common notification. | * Ericsson LM | * 32.160 | * 0012 | * - | * Rel-16 | * F | * eNRM | * revised |
| * S5-206312 | * Update notifyThresholdCrossing to be a common notification. | * Ericsson LM | * 32.160 | * 0012 | * 1 | * Rel-16 | * F | * eNRM | * agreed |
| * S5-206247 | * Rel-17 CR 32.240 Add PGW in logical ubiquitous charging architecture- service based interface | * China Mobile E-Commerce Co. | * 32.240 | * 0413 | * - | * Rel-17 | * B | * TEI17\_NIESGU | * revised |
| * S5-206415 | * Rel-17 CR 32.240 Add PGW in logical ubiquitous charging architecture- service based interface | * China Mobile E-Commerce Co. | * 32.240 | * 0413 | * 1 | * Rel-17 | * B | * TEI17\_NIESGU | * agreed |
| * S5-206248 | * Rel-17 CR 32.251 Addition of PGW supporting Nchf interface | * China Mobile E-Commerce Co. | * 32.251 | * 0517 | * - | * Rel-17 | * B | * TEI17\_NIESGU | * not pursued |
| * S5-206096 | * Rel-16 CR 32.255 Add Assistance information for Quota Request | * Huawei | * 32.255 | * 0257 | * - | * Rel-16 | * F | * TEI16, 5GS\_Ph1-DCH | * not pursued |
| * S5-206098 | * Rel-15 CR 32.255 Correction on the QoS inforamtion in PDU Container | * Huawei | * 32.255 | * 0258 | * - | * Rel-15 | * F | * TEI15 | * not pursued |
| * S5-206099 | * Rel-16 CR 32.255 Correction on the QoS inforamtion in PDU Container | * Huawei | * 32.255 | * 0259 | * - | * Rel-16 | * A | * TEI15 | * revised |
| * S5-206417 | * Rel-16 CR 32.255 Correction on the QoS inforamtion in PDU Container | * Huawei | * 32.255 | * 0259 | * 1 | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-206101 | * Rel-17 CR 32.255 Add Triggers for URLLC Charging | * Huawei | * 32.255 | * 0260 | * - | * Rel-17 | * B | * 5G\_URLLC | * revised |
| * S5-206420 | * Rel-17 CR 32.255 Add Triggers for URLLC Charging | * Huawei | * 32.255 | * 0260 | * 1 | * Rel-17 | * B | * 5G\_URLLC | * agreed |
| * S5-206102 | * Rel-17 CR 32.255 Add Message Flow for URLLC Charging | * Huawei | * 32.255 | * 0261 | * - | * Rel-17 | * B | * 5G\_URLLC | * revised |
| * S5-206421 | * Rel-17 CR 32.255 Add Message Flow for URLLC Charging | * Huawei | * 32.255 | * 0261 | * 1 | * Rel-17 | * B | * 5G\_URLLC | * agreed |
| * S5-206103 | * Rel-17 CR 32.255 Add Charging Information for URLLC Charging | * Huawei | * 32.255 | * 0262 | * - | * Rel-17 | * B | * 5G\_URLLC | * withdrawn |
| * S5-206104 | * Rel-17 CR 32.255 Add Charging Principle for Usage Reporting | * Huawei | * 32.255 | * 0263 | * - | * Rel-17 | * B | * 5G\_URLLC | * revised |
| * S5-206422 | * Rel-17 CR 32.255 Add Charging Principle for Usage Reporting | * Huawei | * 32.255 | * 0263 | * 1 | * Rel-17 | * B | * 5G\_URLLC | * agreed |
| * S5-206111 | * Rel-15 CR 32.255 Correction on the Quota Management Mode | * Huawei | * 32.255 | * 0264 | * - | * Rel-15 | * F | * TEI15 | * not pursued |
| * S5-206112 | * Rel-16 CR 32.255 Correction on the Quota Management Mode | * Huawei | * 32.255 | * 0265 | * - | * Rel-16 | * A | * TEI15 | * revised |
| * S5-206418 | * Rel-16 CR 32.255 Correction on the Quota Management Mode | * Huawei | * 32.255 | * 0265 | * 1 | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-206190 | * Rel-16 CR TS 32.255 Correction of PDU session modification flow | * Ericsson | * 32.255 | * 0266 | * - | * Rel-16 | * F | * TEI16, 5GS\_Ph1-DCH | * revised |
| * S5-206419 | * Rel-16 CR TS 32.255 Correction of PDU session modification flow | * Ericsson | * 32.255 | * 0266 | * 1 | * Rel-16 | * F | * TEI16, 5GS\_Ph1-DCH | * agreed |
| * S5-206192 | * Rel-16 CR TS 32.255 Correction of partial record closing | * Ericsson | * 32.255 | * 0267 | * - | * Rel-16 | * F | * TEI16 | * not pursued |
| * S5-206246 | * Rel-16 CR 32.255 Correction of V-SMF Change in Roaming HR - flows | * China Mobile E-Commerce Co. | * 32.255 | * 0268 | * - | * Rel-17 | * F | * ETSUN | * withdrawn |
| * S5-206250 | * Rel-16 CR 32.255 Correction of V-SMF Change in Roaming HR - flows | * China Mobile E-Commerce Co. | * 32.255 | * 0269 | * - | * Rel-16 | * F | * ETSUN | * not treated |
| * S5-206407 | * Rel-17 CR 32.260 Update of IMS nodes supporting Nchf | * Ericsson | * 32.260 | * 0404 | * 2 | * Rel-17 | * F | * 5GSIMSCH | * agreed |
| * S5-206414 | * Rel-17 CR 32.260 Update of IMS nodes supporting Nchf | * Ericsson | * 32.260 | * 0404 | * 3 | * Rel-17 | * F | * 5GSIMSCH | * withdrawn |
| * S5-206122 | * Rel-17 CR 32.260 Add service based architecture for offline charging | * Huawei | * 32.260 | * 0407 | * - | * Rel-17 | * B | * 5GSIMSCH | * revised |
| * S5-206409 | * Rel-17 CR 32.260 Add service based architecture for offline charging | * Huawei | * 32.260 | * 0407 | * 1 | * Rel-17 | * B | * 5GSIMSCH | * agreed |
| * S5-206261 | * Rel-16 CR 32.260 Removal of IMS service based charging interface | * Matrixx | * 32.260 | * 0408 | * - | * Rel-16 | * F | * TEI16 | * withdrawn |
| * S5-206123 | * Rel-17 CR 32.275 Add service based architecture for offline charging | * Huawei | * 32.275 | * 0075 | * - | * Rel-17 | * B | * 5GSIMSCH | * revised |
| * S5-206410 | * Rel-17 CR 32.275 Add service based architecture for offline charging | * Huawei | * 32.275 | * 0075 | * 1 | * Rel-17 | * B | * 5GSIMSCH | * agreed |
| * S5-206198 | * Rel-17 CR TS 32.275 Adding converged charging in relevance table | * Ericsson | * 32.275 | * 0076 | * - | * Rel-17 | * B | * 5GSIMSCH | * revised |
| * S5-206412 | * Rel-17 CR TS 32.275 Adding converged charging in relevance table | * Ericsson | * 32.275 | * 0076 | * 1 | * Rel-17 | * B | * 5GSIMSCH | * agreed |
| * S5-206199 | * Rel-17 CR TS 32.275 Adding converged charging for supplementary service | * Ericsson | * 32.275 | * 0077 | * - | * Rel-17 | * B | * 5GSIMSCH | * revised |
| * S5-206413 | * Rel-17 CR TS 32.275 Adding converged charging for supplementary service | * Ericsson | * 32.275 | * 0077 | * 1 | * Rel-17 | * B | * 5GSIMSCH | * agreed |
| * S5-206107 | * Rel-16 CR 32.290 Add the General Description for NB Mode | * Huawei | * 32.290 | * 0139 | * - | * Rel-16 | * F | * TEI16, 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-206108 | * Rel-16 CR 32.290 Add the Charging Control for NB Mode | * Huawei | * 32.290 | * 0140 | * - | * Rel-16 | * F | * TEI16, 5GS\_Ph1-SBI\_CH | * revised |
| * S5-206435 | * Rel-16 CR 32.290 Add the NB Mode disable | * Huawei | * 32.290 | * 0140 | * 1 | * Rel-16 | * F | * TEI16, 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-206109 | * Rel-15 CR 32.290 Correction on the Quota Management Mode | * Huawei | * 32.290 | * 0141 | * - | * Rel-15 | * F | * TEI15 | * not pursued |
| * S5-206110 | * Rel-16 CR 32.290 Correction on the Quota Management Mode | * Huawei | * 32.290 | * 0142 | * - | * Rel-16 | * A | * TEI15 | * revised |
| * S5-206444 | * Rel-16 CR 32.290 Correction on the Quota Management Mode | * Huawei | * 32.290 | * 0142 | * 1 | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-206161 | * Rel-17 CR 32.290 Adding IMS nodes as NF consumers | * China Mobile | * 32.290 | * 0143 | * - | * Rel-17 | * B | * 5GSIMSCH | * revised |
| * S5-206411 | * Rel-17 CR 32.290 Adding IMS nodes as NF consumers | * China Mobile | * 32.290 | * 0143 | * 1 | * Rel-17 | * B | * 5GSIMSCH | * agreed |
| * S5-206249 | * Rel-17 CR 32.290 Add PGW as consumer of ConvergedCharging service | * China Mobile E-Commerce Co. | * 32.290 | * 0144 | * - | * Rel-17 | * B | * TEI17\_NIESGU | * revised |
| * S5-206416 | * Rel-17 CR 32.290 Add PGW as consumer of ConvergedCharging service | * China Mobile E-Commerce Co. | * 32.290 | * 0144 | * 1 | * Rel-17 | * B | * TEI17\_NIESGU | * agreed |
| * S5-206097 | * Rel-16 CR 32.291 Add Assistance Information for Quota Request | * Huawei | * 32.291 | * 0290 | * - | * Rel-16 | * F | * TEI16, 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-206106 | * Rel-16 CR 32.291 Add the Charging Control for NB Mode | * Huawei | * 32.291 | * 0291 | * - | * Rel-16 | * F | * TEI16, 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-206120 | * Rel-15 CR TS 32.291 Change map data type for presence area information Option 1 | * Huawei | * 32.291 | * 0292 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-206121 | * Rel-15 CR TS 32.291 Change map data type for presence area information Option 2 | * Huawei | * 32.291 | * 0293 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-206144 | * Rel-16 CR 32.291 Correction on Storage of YAML files in 3GPP Forge and Copyright | * Huawei | * 32.291 | * 0294 | * - | * Rel-16 | * F | * TEI16, 5GS\_Ph1-SBI\_CH | * revised |
| * S5-206406 | * Rel-16 CR 32.291 Correction on Storage of YAML files in 3GPP Forge and Copyright | * Huawei | * 32.291 | * 0294 | * 1 | * Rel-16 | * F | * TEI16, 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-206145 | * Rel-15 CR 32.291 Remove Unnecessary Re-used Data Type | * Huawei | * 32.291 | * 0295 | * - | * Rel-15 | * F | * TEI15 | * not pursued |
| * S5-206146 | * Rel-16 CR 32.291 Remove Unnecessary Re-used Data Type | * Huawei | * 32.291 | * 0296 | * - | * Rel-16 | * A | * TEI15 | * not pursued |
| * S5-206163 | * Rel-17 CR 32.291 Adding IMS nodes as NF consumers | * China Mobile | * 32.291 | * 0297 | * - | * Rel-17 | * B | * 5GSIMSCH | * not pursued |
| * S5-206193 | * Rel-16 CR TS 32.291 Correction of trigger type presence and cardinality | * Ericsson | * 32.291 | * 0298 | * - | * Rel-16 | * F | * TEI16 | * not pursued |
| * S5-206194 | * Rel-16 CR TS 32.291 Correction of data structure in post response body | * Ericsson | * 32.291 | * 0299 | * - | * Rel-16 | * F | * TEI16 | * not pursued |
| * S5-206195 | * Rel-16 CR TS 32.291 Correction of AMBR trigger usage | * Ericsson | * 32.291 | * 0300 | * - | * Rel-16 | * F | * TEI16, 5GS\_Ph1-DCH | * not pursued |
| * S5-206196 | * Rel-16 CR TS 32.291 Correction of not quota management tariff time trigger | * Ericsson | * 32.291 | * 0301 | * - | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-206197 | * Rel-16 CR TS 32.291 Correction of SMS TP status value | * Ericsson | * 32.291 | * 0302 | * - | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-206254 | * Rel-15 CR 32.291 Add missing value to NodeFunctionality for EPC Interworking Charging | * Openet Telecom | * 32.291 | * 0303 | * - | * Rel-15 | * F | * TEI15 | * not pursued |
| * S5-206405 | * Rel-15 CR 32.291 Update OpenAPI version | * Huawei | * 32.291 | * 0304 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-206168 | * Rel-17 CR 32.298 Adding IMS nodes as NF consumers | * China Mobile | * 32.298 | * 0848 | * - | * Rel-17 | * B | * 5GSIMSCH | * not pursued |
| * S5-206191 | * Rel-16 CR TS 32.298 Correction of cause for record closing | * Ericsson | * 32.298 | * 0849 | * - | * Rel-16 | * F | * TEI16 | * not pursued |
| * S5-206230 | * Rel-15 CR 32.298 Correction on CauseForRecClosing partial CHF record | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0850 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-206231 | * Rel-16 CR 32.298 Correction on CauseForRecClosing partial CHF record | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0851 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-206232 | * Rel-16 CR 32.298 Correction for alignment with drafting rules | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0852 | * - | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-206255 | * Rel-15 CR 32.298 Add missing value to NodeFunctionality for EPC Interworking Charging | * Openet Telecom | * 32.298 | * 0853 | * - | * Rel-15 | * F | * TEI15 | * not pursued |
| * S5-206076 | * Add GPB trace record for file based support | * Ericsson LM | * 32.423 | * 0119 | * - | * Rel-17 | * C | * DUMMY | * revised |
| * S5-206303 | * Add GPB trace record for file based support | * Ericsson LM | * 32.423 | * 0119 | * 1 | * Rel-17 | * C | * TEI17 | * agreed |
| * S5-206050 | * Rel-17 CR 32.425 addition of SINR measurement | * China Mobile Com. Corporation | * 32.425 | * 0200 | * - | * Rel-17 | * B | * TEI17 | * agreed |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Original | Title | From | Decision | Reply TDoc |
| * S5-206014 |  | * Resubmitted LS on O-RAN – 3GPP Cooperation on Management Services | * O-RAN | * postponed | * (none) |
| * S5-206015 |  | * Resubmitted LS on Counter of UEs Registering Network Slice | * C4-204421 | * replied to | * S5-206346 |
| * S5-206016 |  | * LS ccSA5 on response to TCCA on Public Safety | * GSMA | * noted | * (none) |
| * S5-206017 |  | * LS to SA5 on Meeting minutes of Cross SDO Collaboration Workshop on Autonomous Networks & access to workshop materials | * TM Forum | * noted | * (none) |
| * S5-206018 |  | * Reply LS to SA5 on dynamic 5QIs | * S2-2006930 | * noted | * (none) |
| * S5-206019 |  | * LS ccSA5 on Clarification on URLLC QoS Monitoring | * S2-2007825 | * noted | * (none) |
| * S5-206020 |  | * LS to SA5 on 5G ProSe charging | * S2-2007947 | * replied to | * S5-206404 |
| * S5-206021 |  | * LS to SA5 on Slice information collection | * S2-2008034 | * replied to | * S5-206299 |
| * S5-206022 |  | * Reply LS to SA5 on Counter of UEs Registering Network Slice | * S2-2008238 | * noted | * (none) |
| * S5-206023 |  | * Reply LS ccSA5 on SA WG2 assumptions from conclusion of study on architecture aspects for using satellite access in 5G | * S2-2008307 | * noted | * (none) |
| * S5-206024 |  | * Reply to S5- 204407 on study items for security on management aspect | * S3-202688 | * noted | * (none) |
| * S5-206186 |  | * LS to SA5 on policy models work in ETSI ISG NFV | * ETSI ISG NFV | * replied to | * S5-206286 |
| * S5-206228 |  | * Ls to SA5 on Alignment of API Versioning System with Semantic Versioning | * C4-205484 | * noted | * (none) |
| * S5-206280 |  | * Reply LS ccSA5 on SA WG2 assumptions from conclusion of study on architecture aspects for using satellite access in 5G | * R3-207062 | * noted | * (none) |
| * S5-206283 |  | * Reply LS ccSA5 on support of stateless NFs | * C4-205487 | * postponed | * (none) |
| * S5-206287 |  | * Reply LS on the user consent for trace reporting | * R2-2010894 | * postponed | * (none) |
| * S5-206288 |  | * LS on PCI conflict detection and reassignment | * R3-206979 | * noted | * (none) |
| * S5-206289 |  | * Reply LS on on energy efficiency | * R3-207014 | * noted | * (none) |
| * S5-206290 |  | * Reply LS on QoS Monitoring for URLLC | * R3-207177 | * postponed | * (none) |
| * S5-206291 |  | * LS on Framework for QoE Measurement Collection | * R3-207189 | * noted | * (none) |
| * S5-206292 |  | * LS to SA5 on MDT Stage 2 and Stage 3 alignment | * R3-207222 | * replied to | * S5-206297 |
| * S5-206293 |  | * Reply LS on URI for streaming trace reporting in LTE | * R3-207232 | * noted | * (none) |
| * S5-206294 |  | * Response to LS Reply on Enhancement of RAN Slicing | * R3-207236 | * postponed | * (none) |

### C2: Outgoing liaison statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document | Title | To | Cc | reply to i/c LS |
| * S5-206286 | * Reply to: LS to SA5 on policy models work in ETSI ISG NFV | * ETSI ISG NFV | * ETSI ISG ZSM, ETSI ISG ENI, ONAP, ETSI OSM | * S5-206186 |
| * S5-206297 | * Reply to: LS to SA5 on MDT Stage 2 and Stage 3 alignment | * RAN3 | * - | * S5-206292 |
| * S5-206299 | * Reply LS on Slice Information collection | * SA2 | * - | * S5-206021 |
| * S5-206346 | * Reply to: Resubmitted LS on Counter of UEs Registering Network Slice | * CT4,SA2 | * CT1 | * S5-206015 |
| * S5-206404 | * LS reply on LS on 5G ProSe charging | * SA2 | * - | * S5-206020 |
| * S5-206446 | * LS to ETSI EE EEPS and ITU-T Q6/5 on Network Slice EE KPIs | * ETSI EE/EEPS, ITU-T Q6/5 | * 3GPP SA | * - |
| * S5-206447 | * LS to GSMA 5GJA on Network Slice EE KPIs | * GSMA NG/5GJA | * 3GPP SA | * - |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Title | Source | new/revised |
| * S5-206408 | * New SID on Charging Aspect of 5G LAN-type Services | * Huawei | * SID new |
| * S5-206445 | * SID on charging aspects for enhancements of Network Slicing Phase 2 | * Matrixx | * SID new |
| * S5-206304 | * New WID for Management Aspects of 5G Network Sharing | * China Unicom | * WID new |

## Annex E: List of draft Technical Specifications and Reports

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Spec | vers | Doc title |
| * S5-206253 | * 28.817 | * 0.0.0 | * TR 28.817 skeleton |
| * S5-206279 | * 28.818 | * 0.0.0 | * 28.818 skeleton |
| * S5-206337 | * 28.811 | * 0.2.0 | * draft TR 28.811 |
| * S5-206338 | * 28.809 | * 1.1.0 | * draft TR 28.809 |
| * S5-206339 | * 28.556 | * 0.1.0 | * draft TS 28.556 |
| * S5-206340 | * 28.555 | * 1.1.0 | * draft TS 28.555 |
| * S5-206341 | * 28.312 | * 0.2.0 | * draft TS 28.312 |
| * S5-206342 | * 28.100 | * 0.2.0 | * draft TS 28.100 |
| * S5-206343 | * 28.818 | * 0.0.0 | * 28.818 skeleton |
| * S5-206430 | * 28.815 | * 0.3.0 | * Draft TR 28.815 |
| * S5-206434 | * 28.816 | * 0.2.0 | * Draft TR 28.816 |
| * S5-206442 | * 32.846 | * 0.2.0 | * Draft TR 32.846 |

## Annex F: List of participants

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TITLE | Family Name | Given Name | Employer Organization | Employer Category Code | Organization Represented |
| Dr. | Al-kanani | Hassan | NEC Europe Ltd | ETSI | NEC Corporation |
| Mr. | Andrianov | Anatoly | Nokia Germany | ETSI | Nokia Japan |
| Mrs. | Ayani | Zhulia | Ericsson LM | ETSI | Oy LM Ericsson AB |
| Mr. | Braam | Sjors | TNO | ETSI | KPN N.V. |
| Mr. | Cano Soveri | Mirko | ETSI | ETSI | ETSI |
| Mr. | Cao | Xi | China Mobile Com. Corporation | CCSA | China Mobile Com. Corporation |
| Dr. | Chen | Ai | China Mobile Com. Corporation | CCSA | China Mobile Com. Corporation |
| Ms. | Chen | Na | China Telecommunications | ETSI | China Telecomunication Corp. |
| Miss | CHEN | SHAN | Huawei Tech.(UK) Co., Ltd | ETSI | HiSilicon Technologies Co. Ltd |
| Dr. | Choi | Taesang | ETRI | TTA | ETRI |
| Mr. | Chou | Joey | Intel Corporation (UK) Ltd | ETSI | Intel Corporation (UK) Ltd |
| Dr. | Cornily | Jean Michel | Orange | ETSI | Orange Romania |
| Miss | Dong | Jia | China Mobile E-Commerce Co. | CCSA | China Mobile E-Commerce Co. |
| Ms. | Dong | Qiuli | China Unicom | CCSA | China Unicom |
| Mr. | Drijver | Floris | TNO | ETSI | TNO |
| Mr. | Elmdahl | Per | Ericsson France S.A.S | ETSI | Ericsson France S.A.S |
| Dr. | Featherstone | Walter | Samsung R&D Institute UK | ETSI | Samsung R&D Institute UK |
| Mr. | Gao | Xiao-Ming | Ericsson LM | ETSI | Ericsson LM |
| Mrs. | Gardella | Maryse | Nokia France | ETSI | Nokia France |
| Mr. | Gautam | Deepanshu | Samsung R&D Institute UK | ETSI | Samsung Electronics France SA |
| Mr. | Glozman | Borislav | Amdocs Software Systems Ltd | ETSI | Amdocs Software Systems Ltd |
| Mr. | Goldberg | Martin | U.S. Department of Defense | ATIS | U.S. Department of Defense |
| Mr. | Görmer | Gerald | Matrixx | ETSI | Matrixx |
| Mr. | Groenendijk | Jan | Ericsson LM | ETSI | Ericsson LM |
| Miss | Guo | Shasha | China Mobile Com. Corporation | CCSA | China Mobile Com. Corporation |
| Mr. | Gupta | Nishant | Samsung Electronics Co., Ltd | TTA | Samsung Electronics GmbH |
| Mr. | Gupta | Varini | Samsung R&D Institute India | TSDSI | Samsung Electronics Nordic AB |
| Mr. | Harper | Colby | Pivotal Commware | ATIS | Pivotal Commware |
| Mr. | Hassett | Brendan | HUAWEI TECHNOLOGIES Co. Ltd. | ETSI | Huawei Technologies Sweden AB |
| Ms. | Hu | Yaxi | China Mobile Com. Corporation | CCSA | China Mobile Com. Corporation |
| Mr. | Jan | Onnegren | Ericsson LM | ETSI | Ericsson LM |
| Mr. | Jerbi | Walid | Deutsche Telekom AG | ETSI | Deutsche Telekom AG |
| Miss | JIA | Xiaoqian | HUAWEI TECHNOLOGIES Co. Ltd. | ETSI | HuaWei Technologies Co., Ltd |
| Dr. | Jorguseski | Ljupco | TNO | ETSI | KPN N.V. |
| Mr. | Ju | Manchang | ZTE Corporation | ETSI | ZTE Corporation |
| Mr. | Klotz | Michael | Deutsche Telekom AG | ETSI | Deutsche Telekom AG |
| Dr. | Kollar | Martin | Nokia Solutions & Networks (I) | TSDSI | Nokia Solutions & Networks (I) |
| Mr. | Lee | Seungik | ETRI | TTA | ETRI |
| Mr. | Lengyel | Balazs | Ericsson Hungary Ltd | ETSI | Ericsson Hungary Ltd |
| Mr. | Li | Gang | Nanjing Ericsson Panda Com Ltd | CCSA | Nanjing Ericsson Panda Com Ltd |
| Mrs. | li | jing | China Unicom | CCSA | China Unicom |
| Mr. | Li | Shitao | Huawei Tech.(UK) Co., Ltd | ETSI | HUAWEI TECH. GmbH |
| Dr. | Liang | Shuangchun | China Mobile Com. Corporation | CCSA | China Mobile Com. Corporation |
| Mr. | Libunao | Gerardo | Verizon UK Ltd | ETSI | Verizon UK Ltd |
| Mr. | Lindblad | Jan | Cisco Systems Belgium | ETSI | Cisco Systems Belgium |
| Mr. | Malashnyak | Volodymyr | Ericsson LM | ETSI | Ericsson LM |
| Mr. | Mansfield | Scott | Ericsson LM | ETSI | Ericsson LM |
| Mr. | McNamee | Alan | Openet Telecom | ETSI | Openet Telecom |
| Mr. | Nakano | Yusuke | KDDI Corporation | ARIB | KDDI Corporation |
| Ms. | Niu | Yuxia | China Telecom Corporation Ltd. | CCSA | China Telecom Corporation Ltd. |
| Mr. | Ordonez-Lucena | Jose | TELEFONICA S.A. | ETSI | TELEFONICA S.A. |
| Dr. | Pais | Adrian | KPN N.V. | ETSI | KPN N.V. |
| Mr. | Petersen | Robert | Ericsson LM | ETSI | Ericsson Telecomunicazioni SpA |
| Miss | Ping | Jing | Nokia Germany | ETSI | Nokia Germany |
| Mr. | Potter | Benjamin | AT&T GNS Belgium SPRL | ETSI | AT&T GNS Belgium SPRL |
| Ms. | Rajendran | Rohini | Samsung R&D Institute India | TSDSI | Samsung Electronics Czech |
| Mr. | Sama | Malla Reddy | DOCOMO Communications Lab. | ETSI | DOCOMO Communications Lab. |
| Dr. | Samdanis | Konstantinos | Nokia Germany | ETSI | Nokia Germany |
| Mr. | Scott | Mark | Ericsson LM | ETSI | Ericsson LM |
| Ms. | Shi | Xiaonan | China Mobile Com. Corporation | CCSA | China Mobile Com. Corporation |
| Mr. | Shu | Min | CATT | ETSI | CATT |
| Mr. | Smith | David K. | AT&T GNS Belgium SPRL | ETSI | AT&T GNS Belgium SPRL |
| Miss | Song | Xiaojia | China Mobile Research Inst. | | China Mobile Com. Corporation |
| Mr. | Sun | Mingrui | China Unicom | CCSA | China Unicom |
| Ms. | Sun | Qi | China Mobile Research Inst. | | China Mobile Com. Corporation |
| Miss | Sun | Xiaowen | China Mobile Com. Corporation | CCSA | China Mobile Com. Corporation |
| Mr. | Törnkvist | Robert | Ericsson LM | ETSI | Ericsson LM |
| Mr. | Tovinger | Thomas | Ericsson LM | ETSI | Ericsson LM |
| Mr. | Vaishnavi | Ishan | Lenovo (Beijing) Ltd | CCSA | Lenovo Mobile Com. Technology |
| Ms. | Wang | Man | HuaWei Technologies Co., Ltd | CCSA | Huawei Telecommunication India |
| Mr. | Xing | TianQi | China Unicom | CCSA | China Unicom |
| Mr. | XING | XIAOCHENG | HUAWEI TECHNOLOGIES Co. Ltd. | ETSI | Huawei Technologies France |
| Mr. | Xu | Ruiyue | Huawei Tech.(UK) Co., Ltd | ETSI | HUAWEI Technologies Japan K.K. |
| Mr. | Yao | Yizhi | Intel Corporation (UK) Ltd | ETSI | Intel Ireland |
| Miss | Yuan | Jingjing | China Telecom Corporation Ltd. | CCSA | China Telecom Corporation Ltd. |
| Mr. | Zhai | Yi | China Mobile Com. Corporation | CCSA | China Mobile Com. Corporation |
| Mr. | Zhang | Jian | HUAWEI TECHNOLOGIES Co. Ltd. | ETSI | Huawei Technologies Japan K.K. |
| Mr. | Zhang | Kai | Huawei Tech.(UK) Co., Ltd | ETSI | Huawei Technologies R&D UK |
| Mr. | Zhao | Song | China Telecom Corporation Ltd. | CCSA | China Telecom Corporation Ltd. |
| Mr. | Zhao | Song | China Telecomunication Corp. | CCSA | China Telecomunication Corp. |
| Mr. | Zhu | Lei | Huawei Tech.(UK) Co., Ltd | ETSI | Huawei Tech.(UK) Co., Ltd |
| Mr. | Zhu | Weihong | ZTE Corporation | ETSI | ZTE Corporation |
| Ms. | Zou | Lan | Huawei Tech.(UK) Co., Ltd | ETSI | Huawei Technologies (Korea) |

## Annex G: List of future meetings

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| --- | --- | --- | --- | --- | --- |
| Title | Start date | End date (OP) | Town | Country | Reference |
| SA5#135e | 25/01/2021 | 03/02/2021 | Online |  | SA5#135-e |
| SA5#136e | 01/03/2021 | 09/03/2021 | Online |  | SA5#136-e |
| SA5#137e | 10/05/2021 | 19/05/2021 | Online |  | SA5#137-e |