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

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

**Electronic meeting, Online, 23/08/2021 to 31/08/2021**

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## 1 Opening of the meeting

NOTE: A summary of the email discussions can be consulted in tdoc S5-214007(OAM Chair notes and conclusions) and S5-214009(Charging exec report).

## 2 Approval of the agenda

**S5-214000 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

**S5-214001 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

**S5-214002 e-meeting process**

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

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

**S5-214003 Post e-meeting email approval status**

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

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

**S5-214010 SA5 working procedures**

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

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

**S5-214011 Process for management of draft TS-TRs**

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

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

### 5.2 Technical issues at SA5 level

**S5-214484 SA5 working procedures stage2 stage3 alignment**

*Type: discussion For: Approval  
 Source: SA5 Vice Chair, SA5 Chair*

(Replaces S5-213690)

**Decision:** The document was **revised to S5-214534**.

**S5-214534 SA5 working procedures stage2 stage3 alignment**

*Type: discussion For: Approval  
 Source: SA5 Vice Chair, SA5 Chair*

(Replaces S5-214484)

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

**S5-214497 Discussion paper on documentation of UML code**

*Type: discussion For: Discussion  
 Source: Ericsson GmbH, Eurolab*

**Decision:** The document was **revised to S5-214536**.

**S5-214536 Discussion paper on documentation of UML code**

*Type: discussion For: Discussion  
 Source: Ericsson GmbH, Eurolab*

(Replaces S5-214497)

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

**S5-214507 SA5 presentation for SA Rel-18 workshop**

*Type: discussion For: (not specified)  
 Source: SA5 Chair, SA5 Vice chair (Huawei), SA5 Vice chair (Nokia)*

**Decision:** The document was **revised to S5-214526**.

**S5-214526 SA5 presentation for SA Rel-18 workshop**

*Type: discussion For: -  
 Source: SA5 Chair, SA5 Vice chair (Huawei), SA5 Vice chair (Nokia)*

(Replaces S5-214507)

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

**S5-214513 SDO Matrix update**

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

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

### 5.3 Liaison statements at SA5 level

**S5-214013 Reply 3GPP LS S5-213522 to TM Forum on Intent Management**

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

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

**S5-214522 Reply to TM Forum on Intent Management**

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

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

**S5-214014 PTP device monitoring Public Committee Draft**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: 32NF Technology Committee*

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

**S5-214015 Reply 3GPP LS S5-213444 to TM Forum on Multi-SDO Autonomous Networks**

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

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

**S5-214016 Multi-SDO Autonomous Networks (AN) Formal Liaison:**

**Request for review of Letter of Intent and report on the 21st of June Formal meeting**

**Ref AN-SDO2021-08**

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

**Decision:** The document was **replied to in S5-214514**.

**S5-214514 Reply to: Multi-SDO Autonomous Networks (AN) Formal Liaison:**

**Request for review of Letter of Intent and report on the 21st of June Formal meeting**

**Ref AN-SDO2021-08**

*Type: LS out For: approval  
 to TMF  
 Source: WG Chair*

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

**S5-214019 Resubmitted LS on slicing management aspects in relation to SEAL**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-210709*

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

**S5-214515 Reply to: Resubmitted LS on slicing management aspects in relation to SEAL**

*Type: LS out For: approval  
 to SA6  
 Source: Ericsson*

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

**S5-214022 LS/r on methodology harmonization and REST-based network management framework (reply to 3GPP TSG SA5-S5-213454)**

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

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

**S5-214023 Reply LS to GSMA Operator Platform Group ccSA5 on edge computing definition and integration**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: SP-210583*

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

**S5-214024 LS ccSA5 on 5G capabilities exposure for factories of the future**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2104794*

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

**S5-214025 LS ccSA5 on 5G capabilities exposure for factories of the future**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-211497*

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

**S5-214029 LS reply to SA ccSA5 on GSMA 3GPP Edge Computing coordination**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2105034*

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

**S5-214031 Reply LS ccSA5 on Clarification on the API design principles**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C4-213451*

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

**S5-214044 LiaisonMulti-SDO Autonomous Networks (AN) Formal Liaison:21st June 2021 Meeting Invitation, agenda, Bridge, andMeeting Schedule Ref AN-SDO2021-07**

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

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

**S5-214045 LS on initiation of a new work item M.il-AITOM “Intelligence Levels of AI enhanced Telecom Operation and Management”**

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

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

**S5-214047 LS on the new work item on “Requirements and framework of NGNe orchestration enhancements for support computing power network” (Y.NGNe-O-CPN-reqts)**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: ITU-T SG13*

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

**S5-214508 Liaison Multi-SDO Autonomous Networks (AN) Formal Liaison: 16th Aug 2021 Meeting Invitation, agenda, Bridge, and Meeting Schedule Ref AN-SDO2021-08**

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

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

**S5-214510 LS on New Whitepaper: “E2E Network Slicing Architecture"**

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

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

**S5-214511 Liaison Multi-SDO Autonomous Networks (AN) Formal Liaison: Minutes and Actions 16th Aug 2021 Meeting #9 Ref AN-SDO2021-09**

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

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

### 5.4 SA5 meeting calendar

**S5-214012 SA5 meeting calendar**

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

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

### 5.5 SA5 elections

## 6 OAM&P

### 6.1 OAM&P Plenary

**S5-214004 OAM&P action list**

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

**Decision:** The document was **revised to S5-214618**.

**S5-214618 OAM&P action list**

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

(Replaces S5-214004)

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

**S5-214005 agenda\_with\_Tdocs\_sequence\_proposal\_OAM**

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

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

**S5-214006 OAM Exec Report**

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

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

**S5-214007 OAM Chair notes and conclusions**

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

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

**S5-214017 Resubmitted Reply LS on QoE Measurement Collection for LTE**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: RP-210922*

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

**S5-214020 Resubmitted Reply LS to SA5 on network sharing with multiple SSBs in a carrier**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R2-2104606*

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

**S5-214021 Resubmitted LS reply to 3GPP SA5 on Network Slice EE KPIs**

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

**Decision:** The document was **replied to in S5-214535**.

**S5-214026 Answer to liaison from 3GPP SA5 EEPS(21)059002**

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

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

**S5-214028 LS on (de)activation and failure handling of NR QMC**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-212975*

**Decision:** The document was **replied to in S5-214186**.

**S5-214030 LS ccSA5 on the area handling for QoE during mobility**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-212976*

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

**S5-214032 LS on QoE report handling at QoE pause**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R2-2106775*

**Decision:** The document was **replied to in S5-214519**.

**S5-214519 Reply to: LS on QoE report handling at QoE pause**

*Type: LS out For: approval  
 to RAN2,SA4, cc SA3  
 Source: Huawei*

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

**S5-214033 LS on QoE configuration and reporting related issues**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R2-2106776*

**Decision:** The document was **replied to in S5-214520**.

**S5-214520 Reply to: LS on QoE configuration and reporting related issues**

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

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

**S5-214034 LS on Report Amount for M4, M5, M6, M7 measurements**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-212961*

**Decision:** The document was **replied to in S5-214523**.

**S5-214523 Reply to: LS on Report Amount for M4, M5, M6, M7 measurements**

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

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

**S5-214035 LS ccSA5 on requirement for configuration changes of ongoing QMC sessions**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-212953*

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

**S5-214036 LS on the mapping between service types and slice at application**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-212904*

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

**S5-214037 Reply LS on LS Reply on QoS Monitoring for URLLC**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-212937*

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

**S5-214038 Reply LS ccSA5 to CT4 on Information on the port number allocation solutions**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-212800*

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

**S5-214039 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: R3-212916*

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

**S5-214040 Response LS on Handover terminology**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-212907*

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

**S5-214041 Reply LS on the clarification of HO and/or reselection parameters ranges required by MLB**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-212840*

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

**S5-214042 Reply LS on QoE Measurement Collection for LTE**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: RP-210922*

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

**S5-214046 LS/r on Network slice EE KPIs (reply to 3GPP TSG SA5-S5-2063446)**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: ITU-T SG5*

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

**S5-214049 [Draft] LS reply to LS reply to 3GPP SA5 on Network Slice EE KPIs**

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

**Decision:** The document was **revised to S5-214535**.

**S5-214535 LS reply to LS reply to 3GPP SA5 on Network Slice EE KPIs**

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

(Replaces S5-214049)

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

**S5-214186 Reply LS on (de)activation and failure handling of NR QMC**

*Type: LS out For: Approval  
 to RAN3, cc SA2  
 Source: ZTE Corporation*

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

**S5-214301 Collection of useful endorsed document and external communication documents**

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

(Replaces S5-213267)

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

**S5-214446 R17 CR 32160-h20 Add motivation to requirements**

*Type: CR For: (not specified)  
 32.160 v17.2.0 CR-0023 Cat: B (Rel-17)  
  
 Source: Ericsson Inc.*

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

**S5-214488 Discussion paper on support for modification of service characteristics**

*Type: discussion For: Endorsement  
 Source: Ericsson GmbH, Eurolab, Deutsche Telekom*

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

**S5-214489 WID Update Enhancement on Management Aspects of 5G Service-Level Agreement**

*Type: WID revised For: Approval  
 Source: Ericsson GmbH, Eurolab, Deutsche Telekom*

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

**S5-214517 Reply LS on Report Amount for M4, M5, M6, M7 measurements**

*Type: LS in For: discussion  
 Original outgoing LS: -, to -, cc -  
 Source: R2-2108966*

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

### 6.2 New OAM&P Work Item proposals

**S5-214051 Motivations for a potential Rel-18 work item on Energy Efficiency of 5G**

*Type: discussion For: Discussion  
 Source: Orange*

**Decision:** The document was **revised to S5-214527**.

**S5-214527 Motivations for a potential Rel-18 work item on Energy Efficiency of 5G**

*Type: discussion For: Discussion  
 Source: Orange*

(Replaces S5-214051)

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

**S5-214088 New Rel 18 WID on Self-Configuration of RAN NEs**

*Type: WID new For: Approval  
 Source: China Mobile, Huawei*

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

**S5-214171 New Rel-18 WID on Enhanced intent driven management services for mobile network**

*Type: WID new For: Agreement  
 Source: HUAWEI Technologies Japan K.K.*

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

**S5-214230 New SID on enhancement management of non-public networks**

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

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

**S5-214259 New WID on Key Quality Indicators(KQIs)for 5G service experience**

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

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

**S5-214268 New SID on Deterministic Service Assurance Management**

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

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

**S5-214271 New SID on Intent driven management related to core network**

*Type: SID new For: Approval  
 Source: Huawei Tech.(UK) Co.. Ltd*

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

**S5-214272 New SID on interworking with ETSI MEC for Edge computing network management**

*Type: SID new For: Approval  
 Source: Huawei Tech.(UK) Co.. Ltd*

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

**S5-214273 New WID on enhancement of autonomous network levels**

*Type: WID new For: Approval  
 Source: China Mobile, Huawei, AsiaInfo, China Unicom, China Telecom, ZTE, CATT, Intel*

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

**S5-214291 New SID on Incident Management**

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

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

**S5-214350 New SID on Digital twin for network management**

*Type: SID new For: (not specified)  
 Source: China Mobile Com. Corporation, AsiaInfo*

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

**S5-214351 New SID on Federated machine learning for mobile network management**

*Type: SID new For: (not specified)  
 Source: China Mobile Com. Corporation, AsiaInfo*

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

**S5-214352 New SID on management aspects of traffic scheduling in terrestrial and satellite converged network**

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

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

**S5-214353 DP-Study on management aspects of traffic scheduling in terrestrial and satellite converged network**

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

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

**S5-214362 Rel-18 Huawei Considerations**

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

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

**S5-214394 DP on Rel-18 topic for enhance edge computing management**

*Type: discussion For: Endorsement  
 Source: Samsung Electronics Benelux BV*

**Decision:** The document was **revised to S5-214530**.

**S5-214530 DP on Rel-18 topic for enhance edge computing management**

*Type: discussion For: Endorsement  
 Source: Samsung Electronics Benelux BV*

(Replaces S5-214394)

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

**S5-214399 DP on Rel-18 topic of Integration of ORAN into 3GPP 5G management framework**

*Type: discussion For: Endorsement  
 Source: Samsung Electronics Benelux BV*

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

**S5-214402 New Rel-18 WID on network slice provisioning enhancement**

*Type: WID new For: Agreement  
 Source: Samsung Electronics Benelux BV*

**Decision:** The document was **revised to S5-214738**.

**S5-214738 New Rel-18 WID on network slice provisioning enhancement**

*Type: WID new For: Agreement  
 Source: Samsung Electronics Benelux BV*

(Replaces S5-214402)

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

**S5-214409 new WID Enhancement of service-based management architecture**

*Type: WID new For: (not specified)  
 Source: Huawei Technologies (Korea), China Telecom*

**Decision:** The document was **revised to S5-214532**.

**S5-214532 new WID Improved support for NSA in the service-based management architecture**

*Type: WID new For: -  
 Source: Huawei Technologies (Korea), China Telecom*

(Replaces S5-214409)

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

**S5-214486 New Rel-18 SID AI/ML management**

*Type: SID new For: Approval  
 Source: Intel, NEC, Orange, Verizon, China Telecom, China Unicom, Samsung, CATT, ZTE, AT&T, Deutsche Telekom*

**Decision:** The document was **revised to S5-214739**.

**S5-214739 New Rel-18 SID AI/ML management**

*Type: SID new For: Approval  
 Source: Intel, NEC, Orange, Verizon, China Telecom, China Unicom, Samsung, CATT, ZTE, AT&T, Deutsche Telekom*

(Replaces S5-214486)

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

### 6.3 OAM&P Maintenance and Rel-17 small Enhancements

**S5-214052 YANG NR-NRM model structure repair and cleanup**

*Type: CR For: Agreement  
 28.541 v16.9.0 CR-0517 Cat: F (Rel-16)  
  
 Source: Cisco Systems Belgium*

**Abstract:**

YANG NR-NRM model structure repair and cleanup only. No changes besides YANG. Before this fix is applied, the YANG modules for several IOCs are unusable.

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

**S5-214053 YANG NR-NRM model structure repair and cleanup**

*Type: CR For: Agreement  
 28.541 v17.3.0 CR-0518 Cat: A (Rel-17)  
  
 Source: Cisco Systems Belgium*

**Abstract:**

YANG NR-NRM model structure repair and cleanup. Only YANG changes. The YANG interface for several IOCs will not be usable without these changes.

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

**S5-214090 Deprecate Top-Attr and use Top instead**

*Type: CR For: Approval  
 28.541 v16.9.0 CR-0521 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214091 Deprecate Top-Attr and use Top instead**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0522 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214092 Fix incorrect attributes inheritance description**

*Type: CR For: Approval  
 28.541 v16.9.0 CR-0523 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214095 Align different (abbreviated) names for support qualifier to “S”**

*Type: CR For: Approval  
 32.160 v17.2.0 CR-0021 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-214574**.

**S5-214574 Align different (abbreviated) names for support qualifier to “S”**

*Type: CR For: Approval  
 32.160 v17.2.0 CR-0021 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-214095)

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

**S5-214097 Fix incorrect attributes inheritance description**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0524 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214099 Rel-17 CR 32.160 Change format for NRM stage 3 definition rules from JSON to YAML**

*Type: CR For: Approval  
 32.160 v17.2.0 CR-0022 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214105 Rel-15 CR 28.622 Correction for vnfParametersList**

*Type: CR For: Agreement  
 28.622 v15.4.0 CR-0109 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-214566**.

**S5-214566 Rel-15 CR 28.622 Correction for vnfParametersList**

*Type: CR For: Agreement  
 28.622 v15.4.0 CR-0109 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-214105)

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

**S5-214106 Rel-16 CR 28.622 Correction for vnfParametersList**

*Type: CR For: Agreement  
 28.622 v16.8.1 CR-0110 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-214567**.

**S5-214567 Rel-16 CR 28.622 Correction for vnfParametersList**

*Type: CR For: Agreement  
 28.622 v16.8.1 CR-0110 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-214106)

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

**S5-214107 Rel-15 CR 28.531 correction\_of\_network\_slice\_subnet\_configuration**

*Type: CR For: Agreement  
 28.531 v15.8.0 CR-0067 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-214537**.

**S5-214537 Rel-15 CR 28.531 correction\_of\_network\_slice\_subnet\_configuration**

*Type: CR For: Agreement  
 28.531 v15.8.0 CR-0067 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-214107)

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

**S5-214108 Rel-16 CR 28.531 correction\_of\_network\_slice\_subnet\_configuration**

*Type: CR For: Agreement  
 28.531 v16.10.0 CR-0068 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-214538**.

**S5-214538 Rel-16 CR 28.531 correction\_of\_network\_slice\_subnet\_configuration**

*Type: CR For: Agreement  
 28.531 v16.10.0 CR-0068 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-214108)

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

**S5-214109 Rel-17 CR 28.531 correction\_of\_network\_slice\_subnet\_configuration**

*Type: CR For: Agreement  
 28.531 v17.0.0 CR-0069 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-214539**.

**S5-214539 Rel-17 CR 28.531 correction\_of\_network\_slice\_subnet\_configuration**

*Type: CR For: Agreement  
 28.531 v17.0.0 CR-0069 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-214109)

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

**S5-214130 Rel-16 CR 32.158 Correct definitions of resource update**

*Type: CR For: Approval  
 32.158 v16.3.0 CR-0018 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213109)

**Decision:** The document was **revised to S5-214573**.

**S5-214573 Rel-16 CR 32.158 Correct definitions of resource update**

*Type: CR For: Approval  
 32.158 v16.3.0 CR-0018 rev 2 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-214130)

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

**S5-214131 Rel-16 CR 28.532 Remove last occurrences of “-Type” in data type names**

*Type: CR For: Approval  
 28.532 v16.8.1 CR-0178 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-214552**.

**S5-214552 Rel-16 CR 28.532 Remove last occurrences of “-Type” in data type names**

*Type: CR For: Approval  
 28.532 v16.8.1 CR-0178 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-214131)

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

**S5-214132 Rel-16 CR 28.532 Correct definition of the “timeTick” parameter in the File MnS**

*Type: CR For: Approval  
 28.532 v16.8.1 CR-0179 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-214553**.

**S5-214553 Rel-16 CR 28.532 Correct definition of the “timeTick” parameter in the File MnS**

*Type: CR For: Approval  
 28.532 v16.8.1 CR-0179 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-214132)

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

**S5-214133 Rel-16 CR 28.532 Add missing reference for TS 32.404 and RFC 6901**

*Type: CR For: Approval  
 32.532 v16.0.0 CR-0039 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214134 Rel-16 CR 28.622 Add missing MnsAgent to class and inheritance diagrams**

*Type: CR For: Approval  
 28.622 v16.8.1 CR-0111 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-214568**.

**S5-214568 Rel-16 CR 28.622 Add missing MnsAgent to class and inheritance diagrams**

*Type: CR For: Approval  
 28.622 v16.8.1 CR-0111 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-214134)

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

**S5-214159 CR Rel-15 28.550 Correction of OpenAPI**

*Type: CR For: Approval  
 28.550 v15.6.0 CR-0067 Cat: F (Rel-15)  
  
 Source: Intel Belgium SA/NV*

**Decision:** The document was **revised to S5-214563**.

**S5-214563 CR Rel-15 28.550 Correction of OpenAPI**

*Type: CR For: Approval  
 28.550 v15.6.0 CR-0067 rev 1 Cat: F (Rel-15)  
  
 Source: Intel Belgium SA/NV*

(Replaces S5-214159)

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

**S5-214160 CR Rel-16 28.550 Correction of OpenAPI**

*Type: CR For: Approval  
 28.550 v16.7.0 CR-0068 Cat: A (Rel-16)  
  
 Source: Intel Belgium SA/NV*

**Decision:** The document was **revised to S5-214564**.

**S5-214564 CR Rel-16 28.550 Correction of OpenAPI**

*Type: CR For: Approval  
 28.550 v16.7.0 CR-0068 rev 1 Cat: A (Rel-16)  
  
 Source: Intel Belgium SA/NV*

(Replaces S5-214160)

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

**S5-214166 Rel-16 CR TS 28.541 Remove the attribute definition which is not used**

*Type: CR For: Agreement  
 28.541 v16.9.0 CR-0529 Cat: F (Rel-16)  
  
 Source: China Telecom Corporation Ltd.*

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

**S5-214169 Rel-17 CR TS 28.541 Remove the attribute definition which is not used**

*Type: CR For: Agreement  
 28.541 v17.3.0 CR-0530 Cat: A (Rel-17)  
  
 Source: China Telecom Corporation Ltd.*

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

**S5-214184 Rel-16 CR 28.622 Add missing notification type “notifyClearedAlarm” to the attribute “notificationTypes”**

*Type: CR For: Approval  
 28.622 v16.8.1 CR-0112 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214192 Rel-16 CR 28.623 Replace local data type definition for notificationFilter by common filter definition**

*Type: CR For: Approval  
 28.623 v16.8.0 CR-0131 Cat: F (Rel-16)  
  
 Source: Nokia; Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-214571**.

**S5-214571 Rel-16 CR 28.623 Replace local data type definition for notificationFilter by common filter definition**

*Type: CR For: Approval  
 28.623 v16.8.0 CR-0131 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia; Nokia Shanghai Bell*

(Replaces S5-214192)

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

**S5-214193 Rel-16 CR TS 28.532 Alignment the description for streaming data reporting MnS producer**

*Type: CR For: Agreement  
 28.532 v16.8.1 CR-0180 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-214554**.

**S5-214554 Rel-16 CR TS 28.532 Alignment the description for streaming data reporting MnS producer**

*Type: CR For: Agreement  
 28.532 v16.8.1 CR-0180 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-214193)

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

**S5-214194 Discussion on the observations of the issues caused by the updated NetworkSliceSubnet inheritence relationship**

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

**Decision:** The document was **revised to S5-214559**.

**S5-214559 Discussion on the observations of the issues caused by the updated NetworkSliceSubnet inheritence relationship**

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

(Replaces S5-214194)

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

**S5-214195 Rel-16 CR TS 28.541 Fix the issue caused by the updated NetworkSliceSubnet inheritence relationship**

*Type: CR For: Agreement  
 28.541 v16.9.0 CR-0533 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-214560**.

**S5-214560 Rel-16 CR TS 28.541 Fix the issue caused by the updated NetworkSliceSubnet inheritence relationship**

*Type: CR For: Agreement  
 28.541 v16.9.0 CR-0533 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-214195)

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

**S5-214196 Rel-17 CR TS 28.541 Fix the issue caused by the updated NetworkSliceSubnet inheritence relationship**

*Type: CR For: Agreement  
 28.541 v17.3.0 CR-0534 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-214561**.

**S5-214561 Rel-17 CR TS 28.541 Fix the issue caused by the updated NetworkSliceSubnet inheritence relationship**

*Type: CR For: Agreement  
 28.541 v17.3.0 CR-0534 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-214196)

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

**S5-214197 Rel-16 CR TS 28.622 Fix the issue caused by the updated NetworkSliceSubnet inheritence relationship**

*Type: CR For: Agreement  
 28.622 v16.8.1 CR-0113 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-214562**.

**S5-214562 Rel-16 CR TS 28.622 Fix the issue caused by the updated NetworkSliceSubnet inheritence relationship**

*Type: CR For: Agreement  
 28.622 v16.8.1 CR-0113 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-214197)

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

**S5-214231 Rel-16 CR 28.623 Clarify resource id is required and nullable**

*Type: CR For: Approval  
 28.622 v16.8.1 CR-0114 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214235 Rel-16 CR for TS 28.541 correction for attribute desrciption of servAttrCom**

*Type: CR For: Approval  
 28.541 v16.9.0 CR-0544 Cat: F (Rel-16)  
  
 Source: Huawei, Orange*

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

**S5-214236 Rel-16 CR 28.623 Correct data type of notificationId (YANG definitions)**

*Type: CR For: Approval  
 28.623 v16.8.0 CR-0132 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-214569**.

**S5-214569 Rel-16 CR 28.623 Correct data type of notificationId (YANG definitions)**

*Type: CR For: Approval  
 28.623 v16.8.0 CR-0132 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-214236)

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

**S5-214238 Rel-16 CR 28.623 Clarify resource id is required and nullable (OpenAPI definitions)**

*Type: CR For: Approval  
 28.623 v16.8.0 CR-0133 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-214572**.

**S5-214572 Rel-16 CR 28.623 Clarify resource id is required and nullable (OpenAPI definitions)**

*Type: CR For: Approval  
 28.623 v16.8.0 CR-0133 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-214238)

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

**S5-214239 Rel-17 CR for TS 28.541 correction for attribute description of servAttrCom**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0545 Cat: A (Rel-17)  
  
 Source: Huawei, Orange*

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

**S5-214240 Aligning with RAN specifications 36.331 and 25.331**

*Type: CR For: Approval  
 28.404 v16.2.0 CR-0004 Cat: F (Rel-16)  
  
 Source: Ericsson Limited*

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

**S5-214241 Rel-16 CR 28.541 Correcion of YAML references**

*Type: CR For: (not specified)  
 28.541 v16.9.0 CR-0546 Cat: F (Rel-16)  
  
 Source: Ericsson India Private Limited*

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

**S5-214244 Aligning with RAN specifications 36.331 and 25.331**

*Type: CR For: Approval  
 28.405 v16.0.0 CR-0001 Cat: F (Rel-16)  
  
 Source: Ericsson Limited*

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

**S5-214249 Rel-17 CR 28.541 Correcion of YAML references**

*Type: CR For: (not specified)  
 28.541 v17.3.0 CR-0547 Cat: A (Rel-17)  
  
 Source: Ericsson India Private Limited*

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

**S5-214260 Rel-16 CR 28.622 Correction and clarification of reporting in TraceJob (stage2)**

*Type: CR For: Approval  
 28.622 v16.8.1 CR-0115 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214262 Rel-16 CR 28.623 Correction and clarification of reporting in TraceJob (stage3)**

*Type: CR For: Approval  
 28.623 v16.8.0 CR-0134 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214263 Rel-16 CR 32.422 Introduce missing parameter descriptions related to reporting of Trace/MDT**

*Type: CR For: Approval  
 32.422 v16.6.0 CR-0369 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214266 Rel-17 CR 32.422 Introduce missing parameter descriptions related to reporting of Trace/MDT**

*Type: CR For: Approval  
 32.422 v17.3.0 CR-0370 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214267 Revise the calculation for average round-trip packet delay between PSA UPF and NG-RAN**

*Type: CR For: Approval  
 28.552 v17.3.1 CR-0316 Cat: A (Rel-17)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-214565**.

**S5-214565 Revise the calculation for average round-trip packet delay between PSA UPF and NG-RAN**

*Type: CR For: Approval  
 28.552 v17.3.1 CR-0316 rev 1 Cat: A (Rel-17)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-214267)

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

**S5-214294 Rel-17 CR 28.531 updating NSSI deallocation**

*Type: CR For: Agreement  
 28.531 v17.0.0 CR-0071 Cat: A (Rel-17)  
  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **revised to S5-214541**.

**S5-214541 Rel-17 CR 28.531 updating NSSI deallocation**

*Type: CR For: Agreement  
 28.531 v17.0.0 CR-0071 rev 1 Cat: A (Rel-17)  
  
 Source: Samsung R&D Institute UK*

(Replaces S5-214294)

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

**S5-214304 Rel-16 CR 28.622 Adaptation and cleanup of Trace/MDT related parameters (stage2)**

*Type: CR For: Approval  
 28.622 v16.8.1 CR-0116 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214305 Rel-16 CR 28.623 Adaptation and cleanup of Trace/MDT related parameters (stage3)**

*Type: CR For: Approval  
 28.623 v16.8.0 CR-0135 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214307 Rel-16 CR 32.422 Correction and cleanup of Trace/MDT related parameters and procedures**

*Type: CR For: Approval  
 32.422 v16.6.0 CR-0371 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214309 Rel-17 CR 32.422 Correction and cleanup of Trace/MDT related parameters and procedures**

*Type: CR For: Approval  
 32.422 v17.3.0 CR-0372 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214357 Rel-15 CR Deleting measuredEntityId from File Structure**

*Type: CR For: Agreement  
 28.532 v15.7.0 CR-0181 Cat: F (Rel-15)  
  
 Source: Samsung Electronics Benelux BV*

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

**S5-214361 Rel-16 CR Deleting measuredEntityId from File Structure**

*Type: CR For: Agreement  
 28.532 v16.8.1 CR-0182 Cat: A (Rel-16)  
  
 Source: Samsung Electronics Benelux BV*

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

**S5-214363 Rel-16 CR 28.552 Replace Editor's notes with references**

*Type: CR For: Approval  
 28.552 v16.10.0 CR-0317 Cat: F (Rel-16)  
  
 Source: Ericsson France S.A.S*

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

**S5-214364 Rel-17 CR 28.552 Replace Editor's notes with references**

*Type: CR For: Approval  
 28.552 v17.3.1 CR-0318 Cat: A (Rel-17)  
  
 Source: Ericsson France S.A.S*

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

**S5-214372 Rel-15 CR 28.531 Removing network slice capacity planning**

*Type: CR For: Agreement  
 28.531 v15.8.0 CR-0073 Cat: F (Rel-15)  
  
 Source: Samsung Electronics Benelux BV*

**Decision:** The document was **revised to S5-214542**.

**S5-214542 Rel-15 CR 28.531 Removing network slice capacity planning**

*Type: CR For: Agreement  
 28.531 v15.8.0 CR-0073 rev 1 Cat: F (Rel-15)  
  
 Source: Samsung Electronics Benelux BV*

(Replaces S5-214372)

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

**S5-214373 Rel-17 CR 28.531 updating NSSI deactivation**

*Type: CR For: (not specified)  
 28.531 v17.0.0 CR-0074 Cat: A (Rel-17)  
  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **revised to S5-214546**.

**S5-214546 Rel-17 CR 28.531 updating NSSI deactivation**

*Type: CR For: -  
 28.531 v17.0.0 CR-0074 rev 1 Cat: A (Rel-17)  
  
 Source: Samsung R&D Institute UK*

(Replaces S5-214373)

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

**S5-214375 Rel-16 CR 28.531 Removing network slice capacity planning**

*Type: CR For: Agreement  
 28.531 v16.10.0 CR-0075 Cat: A (Rel-16)  
  
 Source: Samsung Electronics Benelux BV*

**Decision:** The document was **revised to S5-214543**.

**S5-214543 Rel-16 CR 28.531 Removing network slice capacity planning**

*Type: CR For: Agreement  
 28.531 v16.10.0 CR-0075 rev 1 Cat: A (Rel-16)  
  
 Source: Samsung Electronics Benelux BV*

(Replaces S5-214375)

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

**S5-214378 Rel-17 CR 28.531 Removing network slice capacity planning**

*Type: CR For: Agreement  
 28.531 v17.0.0 CR-0076 Cat: A (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

**Decision:** The document was **revised to S5-214544**.

**S5-214544 Rel-17 CR 28.531 Removing network slice capacity planning**

*Type: CR For: Agreement  
 28.531 v17.0.0 CR-0076 rev 1 Cat: A (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

(Replaces S5-214378)

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

**S5-214379 Rel-15 CR 28.531 Removing Notify Network Slice Subnet Capability Information**

*Type: CR For: Agreement  
 28.531 v15.8.0 CR-0077 Cat: F (Rel-15)  
  
 Source: Samsung Electronics Benelux BV*

**Decision:** The document was **revised to S5-214547**.

**S5-214547 Rel-15 CR 28.531 Removing Notify Network Slice Subnet Capability Information**

*Type: CR For: Agreement  
 28.531 v15.8.0 CR-0077 rev 1 Cat: F (Rel-15)  
  
 Source: Samsung Electronics Benelux BV*

(Replaces S5-214379)

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

**S5-214380 Rel-16 CR 28.531 Removing Notify Network Slice Subnet Capability Information**

*Type: CR For: Agreement  
 28.531 v16.10.0 CR-0078 Cat: A (Rel-16)  
  
 Source: Samsung Electronics Benelux BV*

**Decision:** The document was **revised to S5-214548**.

**S5-214548 Rel-16 CR 28.531 Removing Notify Network Slice Subnet Capability Information**

*Type: CR For: Agreement  
 28.531 v16.10.0 CR-0078 rev 1 Cat: A (Rel-16)  
  
 Source: Samsung Electronics Benelux BV*

(Replaces S5-214380)

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

**S5-214381 Rel-17 CR 28.531 Removing Notify Network Slice Subnet Capability Information**

*Type: CR For: Agreement  
 28.531 v17.0.0 CR-0079 Cat: A (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

**Decision:** The document was **revised to S5-214549**.

**S5-214549 Rel-17 CR 28.531 Removing Notify Network Slice Subnet Capability Information**

*Type: CR For: Agreement  
 28.531 v17.0.0 CR-0079 rev 1 Cat: A (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

(Replaces S5-214381)

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

**S5-214382 Rel-17 CR 28.531 updating NSSI allocation**

*Type: CR For: Agreement  
 28.531 v17.0.0 CR-0080 Cat: A (Rel-17)  
  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **revised to S5-214551**.

**S5-214551 Rel-17 CR 28.531 updating NSSI allocation**

*Type: CR For: Agreement  
 28.531 v17.0.0 CR-0080 rev 1 Cat: A (Rel-17)  
  
 Source: Samsung R&D Institute UK*

(Replaces S5-214382)

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

**S5-214385 Rel-17 CR 28.541 Correction of ServiceProfile**

*Type: CR For: (not specified)  
 28.541 v17.3.0 CR-0551 Cat: F (Rel-17)  
  
 Source: Ericsson India Private Limited*

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

**S5-214386 Rel-16 CR 28.531 updating NSSI deallocation**

*Type: CR For: Agreement  
 28.531 v16.10.0 CR-0081 Cat: F (Rel-16)  
  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **revised to S5-214540**.

**S5-214540 Rel-16 CR 28.531 updating NSSI deallocation**

*Type: CR For: Agreement  
 28.531 v16.10.0 CR-0081 rev 1 Cat: F (Rel-16)  
  
 Source: Samsung R&D Institute UK*

(Replaces S5-214386)

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

**S5-214387 Rel-16 CR 28.531 updating NSSI deactivation**

*Type: CR For: Agreement  
 28.531 v16.10.0 CR-0082 Cat: F (Rel-16)  
  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **revised to S5-214545**.

**S5-214545 Rel-16 CR 28.531 updating NSSI deactivation**

*Type: CR For: Agreement  
 28.531 v16.10.0 CR-0082 rev 1 Cat: F (Rel-16)  
  
 Source: Samsung R&D Institute UK*

(Replaces S5-214387)

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

**S5-214390 Rel-16 CR 28.531 updating NSSI allocation**

*Type: CR For: Agreement  
 28.531 v16.10.0 CR-0083 Cat: F (Rel-16)  
  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **revised to S5-214550**.

**S5-214550 Rel-16 CR 28.531 updating NSSI allocation**

*Type: CR For: Agreement  
 28.531 v16.10.0 CR-0083 rev 1 Cat: F (Rel-16)  
  
 Source: Samsung R&D Institute UK*

(Replaces S5-214390)

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

**S5-214391 YANG updates to correct YANG merging problems**

*Type: CR For: Approval  
 28.623 v16.8.0 CR-0136 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-214392 Rel-16 CR 32.158 Add more examples on how to use provisioning operations**

*Type: CR For: Approval  
 32.158 v16.3.0 CR-0020 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214393 Rel-17 CR 28.532 Extend object creation method with id selection by the MnS producer (stage 2)**

*Type: CR For: Approval  
 32.532 v16.0.0 CR-0040 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shabghai Bell*

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

**S5-214395 Remove isINEF attribute from NEFFunction IOC**

*Type: CR For: Approval  
 28.541 v16.9.0 CR-0552 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214396 YANG updates to correct YANG merging problems**

*Type: CR For: Approval  
 28.541 v16.9.0 CR-0553 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-214398 Remove isINEF attribute from NEFFunction IOC**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0555 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214400 Discussion of the gaps in NR NRM**

*Type: discussion For: Endorsement  
 28.541 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Discuss identified gaps in NR NRM and potential way forward

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

**S5-214401 Rel-17 CR 28.532 Extend object creation method with id selection by the MnS producer (REST SS, OpenAPI definition)**

*Type: CR For: Approval  
 28.532 v16.8.1 CR-0183 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214404 YANG updates to correct YANG merging problems**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0556 Cat: A (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-214406 Fix inconsistent clauses and attributes used in TS 38.211 and TS 28.541**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0557 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, CMCC*

**Decision:** The document was **revised to S5-214556**.

**S5-214556 Fix inconsistent clauses and attributes used in TS 38.211 and TS 28.541**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0557 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, CMCC*

(Replaces S5-214406)

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

**S5-214411 Moving RIM monitoring related attributes to NRCellDU**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0558 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, CMCC*

**Decision:** The document was **revised to S5-214558**.

**S5-214558 Moving RIM monitoring related attributes to NRCellDU**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0558 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, CMCC*

(Replaces S5-214411)

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

**S5-214412 Rel-17 CR 28.532 Extend object creation method with id selection by the MnS producer (stage 2)**

*Type: CR For: Approval  
 28.532 v16.8.1 CR-0184 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214440 R15 CR 28533-f50 Correcting the Scope**

*Type: CR For: (not specified)  
 28.533 v15.5.0 CR-0084 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

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

**S5-214442 R16 CR 28533-g70 Correcting the Scope**

*Type: CR For: (not specified)  
 28.533 v16.7.0 CR-0085 Cat: A (Rel-16)  
  
 Source: Ericsson Inc.*

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

**S5-214456 Moving RIM monitoring related attributes to NRCellDU**

*Type: CR For: Approval  
 28.541 v16.9.0 CR-0561 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell, CMCC*

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

**S5-214472 Fix inconsistent clauses and attributes used in TS 38.211 and TS 28.541**

*Type: CR For: Approval  
 28.541 v16.9.0 CR-0565 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell, CMCC*

**Decision:** The document was **revised to S5-214555**.

**S5-214555 Fix inconsistent clauses and attributes used in TS 38.211 and TS 28.541**

*Type: CR For: Approval  
 28.541 v16.9.0 CR-0565 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell, CMCC*

(Replaces S5-214472)

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

**S5-214473 Correction of YANG Solution set**

*Type: CR For: Approval  
 28.623 v16.8.0 CR-0137 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-214570**.

**S5-214570 Correction of YANG Solution set**

*Type: CR For: Approval  
 28.623 v16.8.0 CR-0137 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

(Replaces S5-214473)

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

**S5-214479 Correction of YANG Solution set**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0566 Cat: F (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-214557**.

**S5-214557 Correction of YANG Solution set**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0566 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

(Replaces S5-214479)

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

**S5-214481 Correction of YANG Solution set**

*Type: CR For: Approval  
 28.541 v16.9.0 CR-0567 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-214495 Rel-16 CR 28.535 Update reference to ETSI ZSM group specifications**

*Type: CR For: Approval  
 28.535 v16.4.0 CR-0056 Cat: F (Rel-16)  
  
 Source: Ericsson GmbH, Eurolab, Deutsche Telekom*

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

**S5-214496 Rel-17 CR 28.535 Update reference to ETSI ZSM group specifications**

*Type: CR For: Approval  
 28.535 v17.2.1 CR-0057 Cat: A (Rel-17)  
  
 Source: Ericsson GmbH, Eurolab, Deutsche Telekom*

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

**S5-214509 Rel-16 CR 32.158 Clarify query parameters for filtering**

*Type: CR For: Approval  
 32.158 v16.3.0 CR-0021 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214518 Rel-16 CR 28.552 Revise the calculation for average round-trip packet delay between PSA UPF and NG-RAN**

*Type: CR For: discussion  
 28.552 v16.10.0 CR-0320 Cat: F (Rel-16)  
  
 Source: OAM1*

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

**S5-214521 Rel-16 CR 28.532 Add missing reference for TS 32.404 and RFC 6901**

*Type: CR For: Agreement  
 28.532 v16.8.1 CR-0185 Cat: F (Rel-16)  
  
 Source: Nokia*

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

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

#### 6.4.1 Management of non-public networks

**S5-214117 pCR 28.557 Add requirements of NPN management for 5GC**

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

**Decision:** The document was **revised to S5-214575**.

**S5-214575 pCR 28.557 Add requirements of NPN management for 5GC**

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

(Replaces S5-214117)

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

**S5-214118 pCR 28.557 Add description of creating SNPN related to NID**

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

**Decision:** The document was **revised to S5-214576**.

**S5-214576 pCR 28.557 Add description of creating SNPN related to NID**

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

(Replaces S5-214118)

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

**S5-214176 Revised WID on management of NPN**

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

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

**S5-214177 Presentation sheet of TS 28.557 for SA Information**

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

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

**S5-214178 pCR 28.557 Rapporteur proposal**

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

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

**S5-214179 pCR 28.557 Add requirements for management of SNPN**

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

**Decision:** The document was **revised to S5-214577**.

**S5-214577 pCR 28.557 Add requirements for management of SNPN**

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

(Replaces S5-214179)

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

**S5-214180 pCR 28.557 Add requirements for management of PNI-NPN**

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

**Decision:** The document was **revised to S5-214578**.

**S5-214578 pCR 28.557 Add requirements for management of PNI-NPN**

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

(Replaces S5-214180)

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

**S5-214181 pCR 28.557 Solution for management of PNI-NPN**

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

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

**S5-214182 Rel-17 CR 28.541 Add NPN Identity on NR cell to support access control for NPN UEs**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0531 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-214579**.

**S5-214579 Rel-17 CR 28.541 Add NPN Identity on NR cell to support access control for NPN UEs**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0531 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-214182)

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

**S5-214183 pCR 28.557 Add NPN related SLA requirements**

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

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

**S5-214627 Latest draft TS 28.557**

*Type: draft TS For: Approval  
 28.557 v0.6.0  
 Source: Huawei*

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

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

**S5-214066 Use of TopSliceSubnetProfile**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0520 Cat: C (Rel-17)  
  
 Source: Ericsson Telecomunicazioni SpA*

**Abstract:**

Use of TopSliceSubnetProfile datatype further explained

**Decision:** The document was **revised to S5-214580**.

**S5-214580 Use of TopSliceSubnetProfile**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0520 rev 1 Cat: C (Rel-17)  
  
 Source: Ericsson Telecomunicazioni SpA*

(Replaces S5-214066)

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

**S5-214104 Rel-17 CR 28.541 Add survival time to CNSliceProfile**

*Type: CR For: Agreement  
 28.541 v17.3.0 CR-0525 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-214224 Rel-17 CR 28.541 Add radio spectrum support in slicing profiles**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0539 Cat: B (Rel-17)  
  
 Source: Huawei, China Mobile*

**Decision:** The document was **revised to S5-214582**.

**S5-214582 Rel-17 CR 28.541 Add radio spectrum support in slicing profiles**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0539 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei, China Mobile*

(Replaces S5-214224)

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

**S5-214225 Living document of review of GSMA GST SA5#138e**

*Type: other For: Approval  
 Source: Huawei, China Mobile*

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

**S5-214226 Rel-17 CR 28.541 Add table to introduce SLA relevant KPIs and performance measurements**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0540 Cat: B (Rel-17)  
  
 Source: Huawei, China Mobile*

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

**S5-214227 Rel-17 CR 28.541 Add average throughput support for eMBB**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0541 Cat: B (Rel-17)  
  
 Source: Huawei, China Mobile*

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

**S5-214228 Rel-17 CR 28.541 Update maxPktSize and determinComm to support UL and DL requirements**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0542 Cat: C (Rel-17)  
  
 Source: Huawei, China Mobile*

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

**S5-214229 Rel-17 CR 28.541 Remove obsolete coverageArea attribute in TopSliceSubnetProfile**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0543 Cat: F (Rel-17)  
  
 Source: Huawei, China Mobile*

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

**S5-214359 TS 28.531 Update the SLA management related requirements and procedure**

*Type: CR For: (not specified)  
 28.531 v17.0.0 CR-0072 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

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

**S5-214360 TS 28.541 Add translated attributes for TN domain**

*Type: CR For: (not specified)  
 28.541 v17.3.0 CR-0550 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

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

**S5-214490 Rel-17 CR 28.531 Introduce support for reallocation to modify service characteristics**

*Type: CR For: Approval  
 28.531 v17.0.0 CR-0084 Cat: C (Rel-17)  
  
 Source: Ericsson GmbH, Eurolab, Deutsche Telekom*

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

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

**S5-214405 Align RAN specification for MDT Event Threshold for SINR**

*Type: CR For: Approval  
 32.422 v16.6.0 CR-0373 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-214583**.

**S5-214583 Align RAN specification for MDT Event Threshold for SINR**

*Type: CR For: Approval  
 32.422 v16.6.0 CR-0373 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

(Replaces S5-214405)

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

**S5-214407 Align RAN specification for MDT Event Threshold for SINR**

*Type: CR For: Approval  
 32.422 v17.3.0 CR-0374 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-214584**.

**S5-214584 Align RAN specification for MDT Event Threshold for SINR**

*Type: CR For: Approval  
 32.422 v17.3.0 CR-0374 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-214407)

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

#### 6.4.4 Additional NRM features

**S5-214056 Increase flexibility of NetworkSlice to NetworkSliceSubnet relationship**

*Type: CR For: Agreement  
 28.541 v17.3.0 CR-0519 Cat: C (Rel-17)  
  
 Source: Bell Mobility*

**Abstract:**

In network slice as operator internal use case, e.g. network slice is used for operational optimization, it should be possible for a NetworkSlice MOI to directly associate 1 or more NetworkSliceSubnet MOIs.

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

**S5-214057 Uplift definition of NetworkSliceSubnet**

*Type: CR For: Discussion  
 28.530 v17.1.0 CR-0046 Cat: F (Rel-17)  
  
 Source: Bell Mobility*

**Abstract:**

Recognition that, as per the Network slice NRM fragment relationship diagram (28.541), the Network Slice Subnet represents “more” than just a collection, grouping, or set of resources.

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

**S5-214110 Rel-17 CR 28.541 Add NRM IOC of N5 N70 and N71**

*Type: CR For: Agreement  
 28.541 v17.3.0 CR-0526 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-214587**.

**S5-214587 Rel-17 CR 28.541 Add NRM IOC of N5 N70 and N71**

*Type: CR For: Agreement  
 28.541 v17.3.0 CR-0526 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-214110)

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

**S5-214111 Rel-17 CR 28.541adding\_NRM\_for\_N33**

*Type: CR For: Agreement  
 28.541 v17.3.0 CR-0527 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-214588**.

**S5-214588 Rel-17 CR 28.541adding\_NRM\_for\_N33**

*Type: CR For: Agreement  
 28.541 v17.3.0 CR-0527 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-214111)

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

**S5-214164 Rel-17 CR 28.541 Enhance 5GC NRM to support DDNMF**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0528 Cat: B (Rel-17)  
  
 Source: CATT*

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

**S5-214191 Rel-17 CR TS 28.541 enhance the NRM to support multiple SSBs in a carrier**

*Type: CR For: Agreement  
 28.541 v17.3.0 CR-0532 Cat: B (Rel-17)  
  
 Source: ZTE Corporation*

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

**S5-214198 Rel-17 CR TS 28.541 Update logicInterfaceId of EP\_transport**

*Type: CR For: Agreement  
 28.541 v17.3.0 CR-0535 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-214589**.

**S5-214589 Rel-17 CR TS 28.541 Update logicInterfaceId of EP\_transport**

*Type: CR For: Agreement  
 28.541 v17.3.0 CR-0535 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-214198)

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

**S5-214199 Discussion on the issue for network slice subnet feasibility check**

*Type: discussion For: Endorsement  
 28.541 v..  
 Source: Huawei,China Unicom,Deutsche Telekom*

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

**S5-214200 Rel-17 CR TS 28.541 Add feasibility check NRM fragment**

*Type: CR For: Agreement  
 28.541 v17.3.0 CR-0536 Cat: B (Rel-17)  
  
 Source: Huawei,China Unicom,Deutsche Telekom*

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

**S5-214201 Rel-17 CR TS 28.541 Add openAPI definition for feasibility check NRM fragment**

*Type: CR For: Agreement  
 28.541 v17.3.0 CR-0537 Cat: B (Rel-17)  
  
 Source: Huawei,China Unicom,Deutsche Telekom*

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

**S5-214202 Rel-17 CR TS 28.531 Update procedure of reservation and checking feasibility of network slice subnet**

*Type: CR For: Agreement  
 28.531 v17.0.0 CR-0070 Cat: B (Rel-17)  
  
 Source: Huawei,China Unicom,Deutsche Telekom*

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

**S5-214251 Revise description of NextHopInfo and qosProfileRefList attribute in EP\_transport IOC**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0548 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, KDDI*

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

**S5-214303 Update resourceType PRB for UL (Uplink) and DL (Downlink)**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0549 Cat: C (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-214730**.

**S5-214730 Update resourceType PRB for UL (Uplink) and DL (Downlink)**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0549 rev 1 Cat: C (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-214303)

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

**S5-214397 Enhance 5G Core AMF NRM fragment**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0554 Cat: B (Rel-17)  
  
 Source: Nokia Germany*

**Decision:** The document was **revised to S5-214585**.

**S5-214585 Enhance 5G Core AMF NRM fragment**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0554 rev 1 Cat: B (Rel-17)  
  
 Source: Nokia Germany*

(Replaces S5-214397)

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

**S5-214413 Extend NRM fragment to support EP\_transport for mid-haul**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0559 Cat: C (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-214731**.

**S5-214731 Extend NRM fragment to support EP\_transport for mid-haul**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0559 rev 1 Cat: C (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-214413)

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

**S5-214458 Enhance 5G Core managed NF Profile NRM fragmen**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0562 Cat: B (Rel-17)  
  
 Source: Nokia Germany*

**Decision:** The document was **revised to S5-214586**.

**S5-214586 Enhance 5G Core managed NF Profile NRM fragmen**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0562 rev 1 Cat: B (Rel-17)  
  
 Source: Nokia Germany*

(Replaces S5-214458)

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

**S5-214470 Delete AMFInfo datatype in NRM fragment**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0564 Cat: F (Rel-17)  
  
 Source: Nokia Germany*

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

**S5-214482 Rel-17 CR TS 28.541 add missing openAPI definition update for S5-213508**

*Type: CR For: Agreement  
 28.541 v17.3.0 CR-0568 Cat: F (Rel-17)  
  
 Source: HUAWEI Technologies Japan K.K.*

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

#### 6.4.5 Enhancement of QoE Measurement Collection

**S5-214246 Adding Signalling Based Activation (SBA) and 5G requirements to 28.404**

*Type: CR For: Approval  
 28.404 v16.2.0 CR-0005 Cat: B (Rel-17)  
  
 Source: Ericsson Limited*

**Decision:** The document was **revised to S5-214732**.

**S5-214732 Adding Signalling Based Activation (SBA) and 5G requirements to 28.404**

*Type: CR For: Approval  
 28.404 v16.2.0 CR-0005 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson Limited*

(Replaces S5-214246)

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

**S5-214248 Adding Signalling Based Activation for UTRAN**

*Type: other For: Approval  
 28.405 v..  
 Source: Ericsson Limited*

**Decision:** The document was **revised to S5-214741**.

**S5-214741 Adding Signalling Based Activation for UTRAN**

*Type: other For: Approval  
 28.405 v..  
 Source: Ericsson Limited*

(Replaces S5-214248)

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

**S5-214288 Discussion on the LSs of QoE measurements from other WGs**

*Type: discussion For: Approval  
 28.104 v..  
 Source: Huawei*

**Decision:** The document was **revised to S5-214733**.

**S5-214733 Discussion on the LSs of QoE measurements from other WGs**

*Type: discussion For: Approval  
 28.104 v..  
 Source: Huawei*

(Replaces S5-214288)

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

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

**S5-214058 Discussion on PRB Usage for MIMO**

*Type: discussion For: Approval  
 28.552 v..  
 Source: China Unicom, Huawei, CATT*

**Abstract:**

Introduce the new PRB usage for MIMO in TS 28.552,which takes into account the resource occupancy in both frequency domain and space domain, and the spatial layer resources are considered in the numerator and a dynamic factor representing spatial capabili

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

**S5-214059 Add PRB Usage for MIMO scenario**

*Type: CR For: Approval  
 28.552 v17.3.1 CR-0307 Cat: B (Rel-17)  
  
 Source: China Unicom, Huawei*

**Abstract:**

Introduce the new PRB usage for MIMO in TS 28.552,which takes into account the resource occupancy in both frequency domain and space domain, and the spatial layer resources are considered in the numerator and a dynamic factor representing spatial capabili

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

**S5-214147 CR Rel-17 28.552 Add measurements related to AF session with QoS for NEF**

*Type: CR For: Agreement  
 28.552 v17.3.1 CR-0311 Cat: B (Rel-17)  
  
 Source: Intel Belgium SA/NV*

**Decision:** The document was **revised to S5-214734**.

**S5-214734 CR Rel-17 28.552 Add measurements related to AF session with QoS for NEF**

*Type: CR For: Agreement  
 28.552 v17.3.1 CR-0311 rev 1 Cat: B (Rel-17)  
  
 Source: Intel Belgium SA/NV*

(Replaces S5-214147)

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

**S5-214148 CR Rel-17 28.552 Add measurements related to applying policy for NEF**

*Type: CR For: Agreement  
 28.552 v17.3.1 CR-0312 Cat: B (Rel-17)  
  
 Source: Intel Belgium SA/NV*

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

**S5-214149 CR Rel-17 28.552 Add measurements related to UCMF provisoning for NEF**

*Type: CR For: Agreement  
 28.552 v17.3.1 CR-0313 Cat: B (Rel-17)  
  
 Source: Intel Belgium SA/NV*

**Decision:** The document was **revised to S5-214735**.

**S5-214735 CR Rel-17 28.552 Add measurements related to UCMF provisoning for NEF**

*Type: CR For: Agreement  
 28.552 v17.3.1 CR-0313 rev 1 Cat: B (Rel-17)  
  
 Source: Intel Belgium SA/NV*

(Replaces S5-214149)

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

**S5-214165 Add PRB Usage for MIMO scenario**

*Type: CR For: Approval  
 28.552 v17.3.1 CR-0314 Cat: B (Rel-17)  
  
 Source: China Unicom, Huawei, CATT*

**Abstract:**

Introduce the new PRB usage for MIMO in TS 28.552,which takes into account the resource occupancy in both frequency domain and space domain, and the spatial layer resources are considered in the numerator and a dynamic factor representing spatial capabili

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

**S5-214173 Rel-17 CR 28.552 Add PLMN granularity to PDCP SDU data volume measurement per interface for split gNB deployment scenario**

*Type: CR For: (not specified)  
 28.552 v17.3.1 CR-0315 Cat: F (Rel-17)  
  
 Source: China Telecom Corporation Ltd.*

**Decision:** The document was **revised to S5-214736**.

**S5-214736 Rel-17 CR 28.552 Add PLMN granularity to PDCP SDU data volume measurement per interface for split gNB deployment scenario**

*Type: CR For: -  
 28.552 v17.3.1 CR-0315 rev 1 Cat: F (Rel-17)  
  
 Source: China Telecom Corporation Ltd.*

(Replaces S5-214173)

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

**S5-214270 Add Mean&Maximum CM-Connected subscribers of network slice through AMF**

*Type: CR For: Approval  
 28.554 v17.3.0 CR-0084 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

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

**S5-214289 Add PFCP session established success rate of one network and one network slice**

*Type: CR For: (not specified)  
 28.554 v17.3.0 CR-0085 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

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

**S5-214306 Add Exception Reporting Support to PM File Format Definition**

*Type: CR For: Approval  
 32.432 v16.0.0 CR-0008 rev 1 Cat: C (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-213398)

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

**S5-214308 Add Exception Reporting Support to PM XML File Schema**

*Type: CR For: Approval  
 32.435 v16.0.0 CR-0011 rev 1 Cat: C (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-213397)

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

**S5-214310 Add Exception Reporting Support to PM XML File Schema**

*Type: CR For: Approval  
 28.532 v16.8.1 CR-0177 rev 1 Cat: C (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-213396)

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

#### 6.4.7 Management of the enhanced tenant concept

**S5-214119 Rel-17 CR 28.550 Add use case to management capability for tenant**

*Type: CR For: Agreement  
 28.550 v16.7.0 CR-0066 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-214120 Rel-17 CR 28.545 Add use case to management capability for tenant**

*Type: CR For: Agreement  
 28.545 v17.0.0 CR-0011 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-214121 Rel-17 CR 28.533 Add description of management capability for tenant**

*Type: CR For: Agreement  
 28.533 v16.7.0 CR-0083 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-214218 Rel-17 CR TS 28.541 Add tenant IOC to support multiple tenant environment**

*Type: CR For: Approval  
 28.541 v17.3.0 CR-0538 Cat: B (Rel-17)  
  
 Source: Huawei*

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

#### 6.4.8 Management data collection control and discovery

**S5-214311 Rel-17 Input to DraftCR 28.622 Add management data collection job to allow consumers without detailed knowledge of the network to request for data**

*Type: other For: Discussion  
 28.622 v..  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214384 Rel-17 Input to DraftCR 28.622 Add implicit subscriptions for notifyFileReady to PerfMetricJob**

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

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

**S5-214441 InputToDraftCR 28.537 Targeted management data collection**

*Type: other For: Agreement  
 28.537 v..  
 Source: Samsung Electronics Benelux BV*

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

**S5-214444 Rel-17 CR 28.622 ManagementDataCollectionJob.docx**

*Type: CR For: Agreement  
 28.622 v16.8.1 CR-0117 Cat: B (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

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

**S5-214449 Rel-17 CR 28.622 ManagementDataCollectionJob Stage-3**

*Type: CR For: Agreement  
 28.622 v16.8.1 CR-0118 Cat: B (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

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

**S5-214476 Input to Draft CR 28.622 Define solution for data discovery**

*Type: draftCR For: Approval  
 28.622 v16.8.1  
 Source: Ericsson Telecomunicazioni SpA*

**Abstract:**

Number of IOCs for Data Discovery are defined by this contribution

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

**S5-214524 Input to DraftCR CR 28.622 ManagementDataCollectionJob**

*Type: other For: Approval  
 Source: Samsung*

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

**S5-214525 Rel-17 CR 28.537 Add requirements for data management**

*Type: CR For: Agreement  
 28.537 v17.0.0 CR-0005 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

#### 6.4.9 Autonomous network levels

**S5-214123 pCR TS 28.100 Add generic autonomous network level for 5GC NF deployment**

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

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

**S5-214207 pCR TS 28.100 Update autonomous network level for network optimization**

*Type: pCR For: Approval  
 28.100 v0.5.0  
 Source: Huawei, China Mobile,AsiaInfo, China Unicom, China Telecom*

**Decision:** The document was **revised to S5-214595**.

**S5-214595 pCR TS 28.100 Update autonomous network level for network optimization**

*Type: pCR For: Approval  
 28.100 v0.5.0  
 Source: Huawei, China Mobile,AsiaInfo, China Unicom, China Telecom*

(Replaces S5-214207)

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

**S5-214208 pCR TS 28.100 Analysis on the implementation example for coverage optimization**

*Type: pCR For: Approval  
 28.100 v0.5.0  
 Source: Huawei, China Mobile,AsiaInfo, China Unicom, China Telecom*

**Decision:** The document was **revised to S5-214596**.

**S5-214596 pCR TS 28.100 Analysis on the implementation example for coverage optimization**

*Type: pCR For: Approval  
 28.100 v0.5.0  
 Source: Huawei, China Mobile,AsiaInfo, China Unicom, China Telecom*

(Replaces S5-214208)

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

**S5-214264 pCR TS 28.100 Add autonomous network level for service experience optimization**

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

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

**S5-214274 pCR TS 28.100 Update autonomous network level for fault management**

*Type: pCR For: Approval  
 28.100 v0.5.0  
 Source: China Mobile, Huawei, AsiaInfo, China Unicom, China Telecom*

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

**S5-214275 pCR TS 28.100 clean-up for some Editor's Notes which are already addressed**

*Type: pCR For: Approval  
 28.100 v0.5.0  
 Source: China Mobile, Huawei, AsiaInfo, China Unicom, China Telecom*

**Decision:** The document was **revised to S5-214597**.

**S5-214597 pCR TS 28.100 clean-up for some Editor's Notes which are already addressed**

*Type: pCR For: Approval  
 28.100 v0.5.0  
 Source: China Mobile, Huawei, AsiaInfo, China Unicom, China Telecom*

(Replaces S5-214275)

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

**S5-214276 pCR TS 28.100 Update clause 7 Generic requirements for generic autonomous network level**

*Type: pCR For: Approval  
 28.100 v0.5.0  
 Source: China Mobile, Huawei, AsiaInfo, China Unicom, China Telecom*

**Decision:** The document was **revised to S5-214598**.

**S5-214598 pCR TS 28.100 Update clause 7 Generic requirements for generic autonomous network level**

*Type: pCR For: Approval  
 28.100 v0.5.0  
 Source: China Mobile, Huawei, AsiaInfo, China Unicom, China Telecom*

(Replaces S5-214276)

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

**S5-214277 Presentation of Spec to TSG TS 28.100 Version 1.0.0**

*Type: other For: Information  
 28.100 v..  
 Source: China Mobile*

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

**S5-214278 LS to SA2 & RAN3 on introduction of 3GPP Autonomous Network Levels**

*Type: LS out For: Approval  
 to 3GPP SA2, RAN3, cc 3GPP SA, RAN  
 Source: China Mobile*

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

**S5-214453 R17 DP Way forward for ANL WI**

*Type: discussion For: (not specified)  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-214754**.

**S5-214754 R17 DP Way forward for ANL WI**

*Type: discussion For: -  
 Source: Ericsson Inc.*

(Replaces S5-214453)

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

**S5-214641 Latest draft TS 28.100**

*Type: draft TS For: Approval  
 28.100 v0.6.0  
 Source: China Mobile*

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

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

**S5-214211 Discussion on operations and intent models for intent driven management**

*Type: discussion For: Endorsement  
 28.312 v..  
 Source: Huawei, China Telecom, AsiaInfo*

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

**S5-214212 pCR TS 28.312 Update intent information model**

*Type: pCR For: Approval  
 28.312 v0.5.0  
 Source: Huawei, China Telecom, China Mobile,AsiaInfo*

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

**S5-214213 pCR TS 28.312 Add concrete RadioNetworkExpectation**

*Type: pCR For: Approval  
 28.312 v0.5.0  
 Source: Huawei, China Telecom, China Mobile, China Unicom*

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

**S5-214214 pCR TS 28.312 Add concrete RadioServiceExpectation**

*Type: pCR For: Approval  
 28.312 v0.5.0  
 Source: Huawei, China Telecom, China Mobile, China Unicom*

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

**S5-214215 pCR TS 28.312 Update description in clause 4.2.1 andclause 4.2.2**

*Type: pCR For: Approval  
 28.312 v0.5.0  
 Source: Huawei, China Telecom, China Mobile, AsiaInfo*

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

**S5-214354 pCR TS 28.312 Add Judge information for intent management**

*Type: pCR For: (not specified)  
 28.312 v0.5.0  
 Source: China Mobile Com. Corporation*

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

**S5-214355 pCR TS 28.312 Add relationInfo for intent management**

*Type: pCR For: (not specified)  
 28.312 v0.5.0  
 Source: China Mobile Com. Corporation*

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

**S5-214369 pCR TS 28.312 Add procedure of subsequence after the intent MOI created**

*Type: pCR For: (not specified)  
 28.312 v0.5.0  
 Source: AsiaInfo*

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

**S5-214370 Update the clause 4 concepts and background**

*Type: pCR For: Approval  
 28.312 v0.5.0  
 Source: China Mobile Com. Corporation*

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

**S5-214371 pCR TS 28.312 Add procedure of query an intent MOI**

*Type: pCR For: (not specified)  
 28.312 v0.5.0  
 Source: AsiaInfo*

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

**S5-214408 Revised WID on Intent driven management service for mobile networks**

*Type: WID revised For: Approval  
 Source: Ericsson Telecomunicazioni SpA*

**Abstract:**

The WID needs to reflect efforts made towards alignment with TM Forum definitions around Intent management

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

**S5-214414 pCR TS 28.312 Intent LCM**

*Type: draftCR For: Approval  
 28.312 v0.5.0  
 Source: Ericsson Telecomunicazioni SpA*

**Abstract:**

This contribution clarifies on Intent life-cycle management

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

**S5-214438 pCR TS 28.312 Intent management procedures**

*Type: pCR For: Approval  
 28.312 v0.5.0  
 Source: Ericsson Telecomunicazioni SpA*

**Abstract:**

This contribution clarifies what procedures are used for Intent over Intent-driven MnS

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

**S5-214439 Technical Discussion on Intent Life Cycle Management**

*Type: discussion For: Endorsement  
 28.312 v..  
 Source: Ericsson Telecomunicazioni SpA*

**Abstract:**

This contribution clarifies on Intent life-cycle management phase, entities involved into it and why CRUD operations are no sufficient enough to conduct handling of it

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

**S5-214445 pCR TS 28.312 Add subsequence procedure after the intent MOI created**

*Type: pCR For: Approval  
 28.312 v0.5.0  
 Source: AsiaInfo,Huawei*

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

**S5-214448 pCR TS 28.312 Add procedure of query an intent MOI.**

*Type: pCR For: Approval  
 28.312 v0.5.0  
 Source: AsiaInfo,Huawei*

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

**S5-214454 pCR 28.312 ServiceDeploymentExpectation Datatype definition**

*Type: pCR For: Agreement  
 28.312 v0.5.0  
 Source: Samsung Electronics Benelux BV*

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

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

**S5-214089 pCR 28.556 Add policy activation management procedures**

*Type: pCR For: Approval  
 28.556 v0.2.0  
 Source: China Mobile Com. Corporation*

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

**S5-214094 pCR 28.556 Add policy deactivation management procedure**

*Type: pCR For: Approval  
 28.556 v0.2.0  
 Source: China Mobile Com. Corporation*

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

**S5-214657 Latest draft TS 28.556**

*Type: draft TS For: Approval  
 28.556 v0.3.0  
 Source: China Mobile*

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

#### 6.4.12 Enhanced Closed loop SLS Assurance

**S5-214172 Rel-17 CR 28.535 Update the network prediction assisted SLS communication service assurance use case**

*Type: CR For: (not specified)  
 28.535 v17.2.1 CR-0050 Cat: F (Rel-17)  
  
 Source: China Telecom Corporation Ltd.*

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

**S5-214209 Rel-17 CR TS 28.535 Add use case for radio coverage optimization**

*Type: CR For: Agreement  
 28.535 v17.2.1 CR-0051 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-214210 Rel-17 CR TS 28.536 Add concrete closed loop policy configuration for radio coverage optimization**

*Type: CR For: Agreement  
 28.536 v17.0.0 CR-0030 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-214223 Rel-17 CR 28.535 Update the network prediction assisted SLS communication service assurance use case**

*Type: CR For: (not specified)  
 28.535 v17.2.1 CR-0052 Cat: F (Rel-17)  
  
 Source: China Telecom Corporation Ltd.*

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

**S5-214232 Rel-17 CR 28.535 Update the network prediction assisted SLS communication service assurance use case**

*Type: CR For: (not specified)  
 28.535 v17.2.1 CR-0053 Cat: F (Rel-17)  
  
 Source: China Telecom Corporation Ltd.,Huawei*

**Decision:** The document was **revised to S5-214599**.

**S5-214599 Rel-17 CR 28.535 Update the network prediction assisted SLS communication service assurance use case**

*Type: CR For: -  
 28.535 v17.2.1 CR-0053 rev 1 Cat: F (Rel-17)  
  
 Source: China Telecom Corporation Ltd.,Huawei*

(Replaces S5-214232)

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

**S5-214234 Rel-17 CR 28.535 Update the communication service quality assurance and optimization use case**

*Type: CR For: (not specified)  
 28.535 v17.2.1 CR-0054 Cat: F (Rel-17)  
  
 Source: China Telecom Corporation Ltd.,Huawei*

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

**S5-214292 DP on assurance report for closed control loop**

*Type: discussion For: Endorsement  
 Source: Huawei*

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

**S5-214295 Rel-17 Input to draftCR TS 28.536 Add assurance report for closed control loop**

*Type: draftCR For: Agreement  
 28.536 v17.0.0  
 Source: Huawei*

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

**S5-214298 Rel-17 Input to draftCR S5-212397 TS 28.535 Update coordination between closed control loops**

*Type: draftCR For: Agreement  
 28.535 v17.2.1  
 Source: Huawei*

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

**S5-214389 Discussion on eCOSLA for creating closed loops**

*Type: discussion For: Endorsement  
 28.535 v..  
 Source: Nokia Germany*

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

**S5-214410 Rel-17 CR 28.536 Focused ACCL**

*Type: CR For: Agreement  
 28.536 v17.0.0 CR-0031 Cat: B (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

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

**S5-214447 Rel-17 CR 28.536 Focused ACCL - Stage 3**

*Type: CR For: Agreement  
 28.536 v17.0.0 CR-0032 Cat: B (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

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

**S5-214474 Rel-17 CR TS 28.536 Add openAPI definition for the concrete closed loop policy configuration for radio coverage optimization**

*Type: CR For: Agreement  
 28.536 v17.0.0 CR-0033 Cat: B (Rel-17)  
  
 Source: HUAWEI Technologies Japan K.K.*

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

**S5-214477 Rel-17 CR TS 28.535 Add use case of advance testing and monitoring assisted SLS assurance**

*Type: CR For: Approval  
 28.535 v17.2.1 CR-0055 Cat: B (Rel-17)  
  
 Source: AsiaInfo*

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

**S5-214494 Rel-17 CR 28.536 Correction of yaml definition references for state management**

*Type: CR For: Approval  
 28.536 v17.0.0 CR-0034 Cat: F (Rel-17)  
  
 Source: Ericsson GmbH, Eurolab*

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

**S5-214505 Rel-17 Draft CR TS 28.536 support for pause point**

*Type: draftCR For: Approval  
 28.536 v17.0.0  
 Source: Lenovo, Motorola Mobility*

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

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

**S5-214136 Rel-17 CR 28.313 Add RRM related measurements info**

*Type: CR For: Approval  
 28.313 v17.1.0 CR-0026 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-214600**.

**S5-214600 Rel-17 CR 28.313 Add RRM related measurements info**

*Type: CR For: Approval  
 28.313 v17.1.0 CR-0026 rev 1 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-214136)

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

**S5-214137 Rel-17 CR 28.313 Add CCO use cases, requirements, information, and procedure**

*Type: CR For: Approval  
 28.313 v17.1.0 CR-0027 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-214603**.

**S5-214603 Rel-17 CR 28.313 Add CCO use cases, requirements, information, and procedure**

*Type: CR For: Approval  
 28.313 v17.1.0 CR-0027 rev 1 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-214137)

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

**S5-214138 Rel-17 CR 28.313 Editorial changes**

*Type: CR For: Approval  
 28.313 v17.1.0 CR-0028 Cat: D (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-214604**.

**S5-214604 Rel-17 CR 28.313 Editorial changes**

*Type: CR For: Approval  
 28.313 v17.1.0 CR-0028 rev 1 Cat: D (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-214138)

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

**S5-214139 Rel-17 CR 28.552 Add RRM related measurements**

*Type: CR For: Approval  
 28.552 v17.3.1 CR-0308 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-214601**.

**S5-214601 Rel-17 CR 28.552 Add RRM related measurements**

*Type: CR For: Approval  
 28.552 v17.3.1 CR-0308 rev 1 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-214139)

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

**S5-214140 Rel-17 CR 28.552 Correction for the Number of Active Ues measurements**

*Type: CR For: Approval  
 28.552 v17.3.1 CR-0309 Cat: F (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-214141 Rel-17 CR 28.552 Add PCI related measurement**

*Type: CR For: Approval  
 28.552 v17.3.1 CR-0310 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-214365 Discussion on Requirements, use cases and services for C-PCI**

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

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

**S5-214366 Rel-17 CR 28.313 Requirements, use cases and services for C-PCI**

*Type: CR For: Approval  
 28.313 v17.1.0 CR-0017 rev 2 Cat: B (Rel-17)  
  
 Source: Ericsson France S.A.S*

(Replaces S5-212306)

**Decision:** The document was **revised to S5-214602**.

**S5-214602 Rel-17 CR 28.313 Requirements, use cases and services for C-PCI**

*Type: CR For: Approval  
 28.313 v17.1.0 CR-0017 rev 3 Cat: B (Rel-17)  
  
 Source: Ericsson France S.A.S*

(Replaces S5-214366)

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

**S5-214485 Add PM on Handover failures per beam related to MRO for intra-system mobility**

*Type: CR For: Approval  
 28.552 v17.3.1 CR-0319 Cat: B (Rel-17)  
  
 Source: Nokia Germany*

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

**S5-214516 Reply LS on using SA5 Performance Measurements and Trace for centralised PCI management**

*Type: LS in For: discussion  
 Original outgoing LS: -, to -, cc -  
 Source: R2-2108967*

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

#### 6.4.14 Enhancement of Handover Optimization

**S5-214367 Rel-17 input to draft CR 28.313 CHO requirements**

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

**Decision:** The document was **revised to S5-214605**.

**S5-214605 Rel-17 input to draft CR 28.313 CHO requirements**

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

(Replaces S5-214367)

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

**S5-214368 Rel-17 input to draft CR 28.313 DAPS HO requirements**

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

**Decision:** The document was **revised to S5-214606**.

**S5-214606 Rel-17 input to draft CR 28.313 DAPS HO requirements**

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

(Replaces S5-214368)

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

**S5-214653 DraftCR for E-HOO - TS 28.313**

*Type: draftCR For: discussion  
 28.313 v17.1.0  
 Source: Ericsson*

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

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

**S5-214060 LS to ETSI NFV on MANO performance measurements accuracy to estimate VNF energy consumption**

*Type: LS out For: Agreement  
 to ETSI NFV, cc 3GPP SA  
 Source: Orange*

**Decision:** The document was **revised to S5-214607**.

**S5-214607 LS to ETSI NFV on MANO performance measurements accuracy to estimate VNF energy consumption**

*Type: LS out For: Agreement  
 to ETSI NFV, cc 3GPP SA  
 Source: Orange*

(Replaces S5-214060)

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

**S5-214103 Rel-17 CR TS 28.554 New Energy Consumption KPIs**

*Type: CR For: Agreement  
 28.554 v17.3.0 CR-0082 Cat: B (Rel-17)  
  
 Source: Orange*

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

**S5-214222 Rel-17 CR 28.310 Update on the solutions for energy efficiency**

*Type: CR For: (not specified)  
 28.310 v17.1.0 CR-0017 Cat: F (Rel-17)  
  
 Source: China Telecom Corporation Ltd.*

**Decision:** The document was **revised to S5-214608**.

**S5-214608 Rel-17 CR 28.310 Update on the solutions for energy efficiency**

*Type: CR For: -  
 28.310 v17.1.0 CR-0017 rev 1 Cat: F (Rel-17)  
  
 Source: China Telecom Corporation Ltd.*

(Replaces S5-214222)

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

**S5-214233 Update the EE KPI for the URLLC network slice**

*Type: CR For: Approval  
 28.554 v17.3.0 CR-0083 Cat: C (Rel-17)  
  
 Source: China Telecom Corporation Ltd.*

**Abstract:**

Update the EE KPI for the URLLC network slice to support both scenarios where PSA UPF has only N3 interface and PSA UPF has only N9 interface.

**Decision:** The document was **revised to S5-214609**.

**S5-214609 Update the EE KPI for the URLLC network slice**

*Type: CR For: Approval  
 28.554 v17.3.0 CR-0083 rev 1 Cat: C (Rel-17)  
  
 Source: China Telecom Corporation Ltd.*

(Replaces S5-214233)

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

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

**S5-214112 Rel-17 CR 28.533 Add support for discovery of management services**

*Type: CR For: Agreement  
 28.533 v16.7.0 CR-0082 Cat: C (Rel-17)  
  
 Source: Huawei*

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

**S5-214113 Rel-17 CR 28.537 Add support for discovery of management services**

*Type: CR For: Agreement  
 28.537 v17.0.0 CR-0004 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-214610**.

**S5-214610 Rel-17 CR 28.537 Add support for discovery of management services**

*Type: CR For: Agreement  
 28.537 v17.0.0 CR-0004 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-214113)

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

**S5-214114 Rel-17 Input to Draft CR 28.622 Add IOC for discovery of management services**

*Type: other For: Approval  
 Source: Huawei*

**Decision:** The document was **revised to S5-214611**.

**S5-214611 Rel-17 Input to Draft CR 28.622 Add IOC for discovery of management services**

*Type: other For: Approval  
 Source: Huawei*

(Replaces S5-214114)

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

**S5-214115 Rel-17 Input to Draft CR 28.623 Add IOC for discovery of management services**

*Type: other For: Approval  
 Source: Huawei*

**Decision:** The document was **revised to S5-214612**.

**S5-214612 Rel-17 Input to Draft CR 28.623 Add IOC for discovery of management services**

*Type: other For: Approval  
 Source: Huawei*

(Replaces S5-214115)

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

**S5-214116 Rel-17 Input to Draft CR 28.533 Remove use case and requirement**

*Type: other For: Approval  
 Source: Huawei*

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

**S5-214388 Add YANG Solution Set for 5GDMS**

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

**Decision:** The document was **revised to S5-214755**.

**S5-214755 Add YANG Solution Set for 5GDMS**

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

(Replaces S5-214388)

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

**S5-214594 Remove unnecessary stage 2 details for discovery of management services**

*Type: CR For: Agreement  
 28.533 v16.7.0 CR-0086 Cat: C (Rel-17)  
  
 Source: Huawei*

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

**S5-214654 DraftCR for 5GDMS - TS 28.533**

*Type: draftCR For: Approval  
 28.533 v16.7.0  
 Source: Huawei*

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

**S5-214655 DraftCR for 5GDMS - TS 28.622**

*Type: draftCR For: Approval  
 28.622 v16.8.1  
 Source: Huawei*

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

**S5-214656 DraftCR for 5GDMS - TS 28.623**

*Type: draftCR For: Approval  
 28.623 v16.8.0  
 Source: Huawei*

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

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

**S5-214187 Rel-17 CR TS 32.130 Add NG-RAN sharing individual management use case and requirements**

*Type: CR For: Agreement  
 32.130 v17.1.0 CR-0014 rev 1 Cat: B (Rel-17)  
  
 Source: ZTE Corporation*

(Replaces S5-213402)

**Decision:** The document was **revised to S5-214613**.

**S5-214613 Rel-17 CR TS 32.130 Add NG-RAN sharing individual management use case and requirements**

*Type: CR For: Agreement  
 32.130 v17.1.0 CR-0014 rev 2 Cat: B (Rel-17)  
  
 Source: ZTE Corporation*

(Replaces S5-214187)

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

#### 6.4.18 Enhancements of Management Data Analytics Service

**S5-214142 pCR 28.104 Add common information elements of MDA reports**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: Intel, NEC, China Telecom*

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

**S5-214143 pCR Add structure for TS 28.104**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: Intel, NEC, China Telecom*

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

**S5-214144 pCR 28.104 Add introduction on MDA capabilities**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: Intel, NEC*

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

**S5-214145 pCR 28.104 Add MDA capability for coverage problem analysis**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: Intel, NEC*

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

**S5-214146 pCR 28.104 Add ML support for MDA**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: Intel*

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

**S5-214167 pCR 28.104 Add use case and requirement for MDA assisted energy saving analysis**

*Type: pCR For: (not specified)  
 28.104 v0.0.0  
 Source: China Telecom Corporation Ltd.*

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

**S5-214168 pCR 28.104 Add MDA capability for MDA assisted energy saving analysis**

*Type: pCR For: (not specified)  
 28.104 v0.0.0  
 Source: China Telecom Corporation Ltd.*

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

**S5-214221 Add MDA in the context of SBMA**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: Nokia Germany*

**Decision:** The document was **revised to S5-214617**.

**S5-214237 MDA Operations Scope**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: Nokia Germany*

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

**S5-214245 pCR 28.104 MDA role in management loop**

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

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

**S5-214247 pCR 28.104 Add network slice throughput analysis**

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

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

**S5-214252 pCR 28.104 Add service experience analysis**

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

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

**S5-214256 pCR 28.104 Add E2E latency analysis**

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

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

**S5-214258 pCR TS28.104 add MDA assisted Energy Saving use case**

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

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

**S5-214265 MDA Production and Reporting Overview**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: Nokia Germany*

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

**S5-214269 pCR draft TS28.104 add abbreviations and an overview subclause**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: NEC Europe Ltd, Intel*

**Decision:** The document was **revised to S5-214614**.

**S5-214614 pCR draft TS28.104 add abbreviations and an overview subclause**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: NEC Europe Ltd, Intel*

(Replaces S5-214269)

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

**S5-214279 Rel-17 PCR TS 28.104 add coverage analysis use case**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

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

**S5-214280 Rel-17 PCR TS 28.104 Add alarm incident analysis use case**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

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

**S5-214281 Rel-17 pCR 28.104 Add KPI anomaly analysis use case**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

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

**S5-214282 Rel-17 PCR TS 28.104 add mobility management use case**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

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

**S5-214283 Rel-17 PCR TS 28.104 add MDA analysis request and report Workflow**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

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

**S5-214284 pCR Add structure for TS 28.104**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

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

**S5-214285 Rel-17 pCR TS 28.104 Add MDA analysis report reporting related service component**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

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

**S5-214286 Rel-17 pCR 28.104 add overview to the concepts and overview subclause**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

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

**S5-214287 Rel-17 pCR 28.104 Add MDA functionality and service framework**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

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

**S5-214290 pCR draft TS28.104 add text for the scope**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: NEC Europe Ltd, Intel*

**Decision:** The document was **revised to S5-214615**.

**S5-214615 pCR draft TS28.104 add text for the scope**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: NEC Europe Ltd, Intel*

(Replaces S5-214290)

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

**S5-214296 pCR draft TS28.104 add text to MDA functionality and service framework**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: NEC Europe Ltd, Intel*

**Decision:** The document was **revised to S5-214617**.

**S5-214617 pCR draft TS28.104 add text to MDA functionality and service framework**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: NEC Europe Ltd, Intel*

(Replaces S5-214296)

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

**S5-214300 pCR draft TS28.104 add MDA role to the MDA in management loop**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: NEC Europe Ltd, Intel*

**Decision:** The document was **revised to S5-214616**.

**S5-214616 pCR draft TS28.104 add MDA role to the MDA in management loop**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: NEC Europe Ltd, Intel*

(Replaces S5-214300)

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

**S5-214302 Add MDA Reporting**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: Nokia Germany*

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

**S5-214348 Add MDA Reporting Control**

*Type: pCR For: (not specified)  
 28.104 v0.0.0  
 Source: Nokia Germany*

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

**S5-214358 Add structure for TS 28.104**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: Nokia Germany*

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

**S5-214376 pCR 28.104 Add description of fault prediction analysis**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: China Mobile Com. Corporation*

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

**S5-214377 pCR 28.104 Add description of fault related incident analysis**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: China Mobile Com. Corporation*

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

**S5-214658 Latest draft TS 28.104**

*Type: draft TS For: Approval  
 28.104 v0.1.0  
 Source: Intel*

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

#### 6.4.19 Plug and connect support for management of Network Functions

**S5-214080 pCR 28.314 PnC Concepts and Requirements - ConceptAndBackground**

*Type: pCR For: Approval  
 28.314 v0.1.0  
 Source: Oy LM Ericsson AB*

**Decision:** The document was **revised to S5-214621**.

**S5-214621 pCR 28.314 PnC Concepts and Requirements - ConceptAndBackground**

*Type: pCR For: Approval  
 28.314 v0.1.0  
 Source: Oy LM Ericsson AB*

(Replaces S5-214080)

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

**S5-214081 pCR 28.314 PnC Concepts and Requirements - BusinessRequirements**

*Type: pCR For: Approval  
 28.314 v0.1.0  
 Source: Oy LM Ericsson AB*

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

**S5-214082 pCR 28.314 PnC Concepts and Requirements - SpecificationRequirements**

*Type: pCR For: Approval  
 28.314 v0.1.0  
 Source: Oy LM Ericsson AB*

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

**S5-214083 pCR 28.315 PnC Procedure flows - full spec**

*Type: pCR For: Approval  
 28.315 v0.1.0  
 Source: Oy LM Ericsson AB*

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

**S5-214084 Rel-17 CR 28.313 remove plug and connect procedure**

*Type: CR For: Approval  
 28.313 v17.1.0 CR-0025 Cat: C (Rel-17)  
  
 Source: Oy LM Ericsson AB*

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

**S5-214216 Rel-17 CR TS 28.313 Update procedures for plug and connect to management system**

*Type: CR For: Agreement  
 28.313 v17.1.0 CR-0029 Cat: B (Rel-17)  
  
 Source: Huawei, China Telecom*

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

**S5-214217 pCR TS 28.315 Add procedures flows for RAN NE PnC**

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

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

**S5-214659 Latest draft TS 28.314**

*Type: draft TS For: Approval  
 28.314 v0.2.0  
 Source: Ericsson*

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

#### 6.4.20 File Management

**S5-214261 Rel-17 Input to DraftCR 28.537 Add requirements for file management**

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

**Decision:** The document was **revised to S5-214622**.

**S5-214622 Rel-17 Input to DraftCR 28.537 Add requirements for file management**

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

(Replaces S5-214261)

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

**S5-214297 Rel-17 Input to DraftCR 28.622 Add File control NRM fragment**

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

**Decision:** The document was **revised to S5-214623**.

**S5-214623 Rel-17 Input to DraftCR 28.622 Add File control NRM fragment**

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

(Replaces S5-214297)

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

**S5-214592 updated draftCR for FIMA/28.537**

*Type: draftCR For: Approval  
 28.537 v17.0.0  
 Source: Nokia*

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

**S5-214593 Rel-17 CR 28.537 Add requirements for file management**

*Type: CR For: Agreement  
 28.537 v17.0.0 CR-0006 Cat: B (Rel-17)  
  
 Source: Nokia*

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

**S5-214758 DraftCR for FIMA TS 28.622**

*Type: draftCR For: Approval  
 28.622 v16.8.1  
 Source: Nokia*

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

#### 6.4.21 Edge Computing Management

**S5-214087 Initial skeleton (v0.1.0) of TS 28.538**

*Type: draft TS For: Agreement  
 28.538 v0.1.0  
 Source: Samsung Electronics Benelux BV*

**Decision:** The document was **revised to S5-214624**.

**S5-214624 Initial skeleton (v0.1.0) of TS 28.538**

*Type: draft TS For: Agreement  
 28.538 v0.1.0  
 Source: Samsung Electronics Benelux BV*

(Replaces S5-214087)

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

**S5-214122 pCR 28.538 add EDN NRM**

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

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

**S5-214349 pCR 28.538 Initial TS Structure**

*Type: pCR For: Agreement  
 28.538 v0.1.0  
 Source: Samsung Electronics Benelux BV*

**Decision:** The document was **revised to S5-214625**.

**S5-214625 pCR 28.538 Initial TS Structure**

*Type: pCR For: Agreement  
 28.538 v0.1.0  
 Source: Samsung Electronics Benelux BV*

(Replaces S5-214349)

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

**S5-214455 Rel-17 CR 28.541 Edge NRM**

*Type: CR For: Agreement  
 28.541 v17.3.0 CR-0560 Cat: B (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

**Abstract:**

Edge NRM

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

**S5-214457 pCR 28.538 EAS Lifecycle Management Procedure**

*Type: pCR For: Agreement  
 28.538 v0.1.0  
 Source: Samsung Electronics Benelux BV*

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

**S5-214459 pCR 28.538 EAS Lifecycle Management usecase and requirements**

*Type: pCR For: Agreement  
 28.538 v0.1.0  
 Source: Samsung Electronics Benelux BV*

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

**S5-214460 Rel-17 CR 28.541 Edge NRM Stage-3**

*Type: CR For: Agreement  
 28.541 v17.3.0 CR-0563 Cat: B (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

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

**S5-214461 pCR 28.538 Edge NRM**

*Type: pCR For: (not specified)  
 28.538 v0.1.0  
 Source: Samsung Electronics Benelux BV*

**Decision:** The document was **revised to S5-214626**.

**S5-214626 pCR 28.538 Edge NRM**

*Type: pCR For: -  
 28.538 v0.1.0  
 Source: Samsung Electronics Benelux BV*

(Replaces S5-214461)

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

**S5-214471 pCR 28.538 Terms Scope Reference Abbreviations**

*Type: pCR For: Agreement  
 28.538 v0.1.0  
 Source: Samsung Electronics Benelux BV*

**Decision:** The document was **revised to S5-214629**.

**S5-214629 pCR 28.538 Terms Scope Reference Abbreviations**

*Type: pCR For: Agreement  
 28.538 v0.1.0  
 Source: Samsung Electronics Benelux BV*

(Replaces S5-214471)

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

**S5-214478 pCR 28.538 add use case and requirements for EAS LCM**

*Type: pCR For: Approval  
 28.538 v0.1.0  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-214628**.

**S5-214628 pCR 28.538 add use case and requirements for EAS LCM**

*Type: pCR For: Approval  
 28.538 v0.1.0  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-214478)

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

**S5-214480 pCR 28.538 add procedures for EAS LCM**

*Type: pCR For: Approval  
 28.538 v0.1.0  
 Source: Intel Corporation (UK) Ltd*

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

**S5-214660 Latest draft TS 28.538**

*Type: draft TS For: Approval  
 28.538 v0.2.0  
 Source: Samsung*

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

### 6.5 OAM&P Studies

#### 6.5.1 Study on new aspects of EE for 5G networks

**S5-214048 pCR TR 28.813 Add conclusion to Key Issue No. 10**

*Type: pCR For: Approval  
 28.813 v1.0.0  
 Source: Orange*

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

**S5-214050 pCR TR 28.813 Update conclusion of Key Issue No. 4**

*Type: pCR For: Approval  
 28.813 v1.0.0  
 Source: Orange*

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

**S5-214102 pCR TR 28.813 Add new potential solution for Key Issue No. 2**

*Type: pCR For: Approval  
 28.813 v1.0.0  
 Source: Orange*

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

**S5-214174 pCR 28.813 Conclusion for Key Issue #6**

*Type: pCR For: Approval  
 28.813 v1.0.0  
 Source: Huawei*

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

**S5-214175 pCR 28.813 Conclusion and enhanced solution for Key Issue #7**

*Type: pCR For: Approval  
 28.813 v1.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-214632**.

**S5-214632 pCR 28.813 Conclusion and enhanced solution for Key Issue #7**

*Type: pCR For: Approval  
 28.813 v1.0.0  
 Source: Huawei*

(Replaces S5-214175)

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

**S5-214185 pCR 28.813 The measurement of the useful output for the 5GC NF**

*Type: pCR For: (not specified)  
 28.813 v1.0.0  
 Source: China Telecom Corporation Ltd.*

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

**S5-214242 Discussion paper on the generic principle for EE KPI definition for 5GC**

*Type: discussion For: Approval  
 28.813 v..  
 Source: China Telecom Corporation Ltd.*

**Abstract:**

In this contribution, a generic principle for defining the EE KPI which is applicable for both User Plane Functions (UPF) and Control Plane functions in 5GC is discussed.

**Decision:** The document was **revised to S5-214630**.

**S5-214630 Discussion paper on the generic principle for EE KPI definition for 5GC**

*Type: discussion For: Approval  
 28.813 v..  
 Source: China Telecom Corporation Ltd.*

(Replaces S5-214242)

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

**S5-214243 pCR TR 28.813 Key Issue 7-Solution for area based energy saving**

*Type: pCR For: Approval  
 28.813 v1.0.0  
 Source: Huawei*

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

**S5-214257 pCR 28.813 introducing the generic 5GC EE KPI**

*Type: pCR For: Approval  
 28.813 v1.0.0  
 Source: China Telecom Corporation Ltd.*

**Abstract:**

Update the Description part of the Key Issue#2 in TR 28.813 to introduce the generic EE KPI for 5GC based on Useful Output.

**Decision:** The document was **revised to S5-214631**.

**S5-214631 pCR 28.813 introducing the generic 5GC EE KPI**

*Type: pCR For: Approval  
 28.813 v1.0.0  
 Source: China Telecom Corporation Ltd.*

(Replaces S5-214257)

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

**S5-214503 Discussion paper on acquiring virtual compute resource information**

*Type: discussion For: Approval  
 28.813 v..  
 Source: China Telecom Corporation Ltd.*

**Abstract:**

To improve the EC estimation, in this contribution, the issue on acquiring the information of the virtual compute resource is discussed.

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

**S5-214661 Latest draft TR 28.813**

*Type: draft TR For: Approval  
 28.813 v1.1.0  
 Source: Orange*

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

#### 6.5.2 Study on management aspects of edge computing

**S5-214061 pCR 28.814 Add reference and abbreviation for 5GS enhancements for Edge Computing**

*Type: pCR For: (not specified)  
 28.814 v1.0.0  
 Source: Nanjing Ericsson Panda Com Ltd*

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

**S5-214062 pCR 28.814 Add concept and scenarios for 5GS enhancements for Edge Computing**

*Type: pCR For: (not specified)  
 28.814 v1.0.0  
 Source: Nanjing Ericsson Panda Com Ltd*

**Decision:** The document was **revised to S5-214633**.

**S5-214633 pCR 28.814 Add concept and scenarios for 5GS enhancements for Edge Computing**

*Type: pCR For: -  
 28.814 v1.0.0  
 Source: Nanjing Ericsson Panda Com Ltd*

(Replaces S5-214062)

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

**S5-214063 pCR 28.814 Add management aspect for 5GS enhancements for Edge Computing**

*Type: pCR For: (not specified)  
 28.814 v1.0.0  
 Source: Nanjing Ericsson Panda Com Ltd*

**Decision:** The document was **revised to S5-214634**.

**S5-214634 pCR 28.814 Add management aspect for 5GS enhancements for Edge Computing**

*Type: pCR For: -  
 28.814 v1.0.0  
 Source: Nanjing Ericsson Panda Com Ltd*

(Replaces S5-214063)

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

**S5-214064 pCR 28.814 Add Use cases and potential requirements for 5GS enhancements for Edge Computing**

*Type: pCR For: (not specified)  
 28.814 v1.0.0  
 Source: Nanjing Ericsson Panda Com Ltd*

**Decision:** The document was **revised to S5-214635**.

**S5-214635 pCR 28.814 Add Use cases and potential requirements for 5GS enhancements for Edge Computing**

*Type: pCR For: -  
 28.814 v1.0.0  
 Source: Nanjing Ericsson Panda Com Ltd*

(Replaces S5-214064)

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

**S5-214065 pCR 28.814 Add potential solutions for 5GS enhancements for Edge Computing**

*Type: pCR For: (not specified)  
 28.814 v1.0.0  
 Source: Nanjing Ericsson Panda Com Ltd*

**Decision:** The document was **revised to S5-214636**.

**S5-214636 pCR 28.814 Add potential solutions for 5GS enhancements for Edge Computing**

*Type: pCR For: -  
 28.814 v1.0.0  
 Source: Nanjing Ericsson Panda Com Ltd*

(Replaces S5-214065)

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

**S5-214086 Initial skeleton (v0.1.0) of TS 28.538**

*Type: draft TS For: (not specified)  
 28.538 v0.1.0  
 Source: Samsung Electronics Benelux BV*

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

**S5-214135 pCR 28.814 cleanup**

*Type: pCR For: Approval  
 28.814 v1.0.0  
 Source: Intel Corporation (UK) Ltd*

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

**S5-214591 Presentation of TR 28.814 for approval**

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

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

**S5-214662 Latest draft TR 28.814**

*Type: draft TR For: Approval  
 28.814 v1.1.0  
 Source: Intel*

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

#### 6.5.3 Study on network slice management enhancement (revised to include security aspects)

**S5-214124 Presentation sheet for approval of TR 28.811**

*Type: other For: Approval  
 Source: Huawei*

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

**S5-214125 pCR 28.811 Alignment of requirements**

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

**Decision:** The document was **revised to S5-214637**.

**S5-214637 pCR 28.811 Alignment of requirements**

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

(Replaces S5-214125)

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

**S5-214126 pCR 28.811 Consumption of NSaaS**

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

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

**S5-214127 pCR 28.811 Correction of references**

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

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

**S5-214129 pCR 28.811 Network slice covering multiple networks**

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

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

**S5-214468 28.811 use case - management data isolation**

*Type: pCR For: Approval  
 28.811 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-214638**.

**S5-214638 28.811 use case - management data isolation**

*Type: pCR For: Approval  
 28.811 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-214468)

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

**S5-214469 28.811 possible solution for network slice protection on N6 interface**

*Type: pCR For: Approval  
 28.811 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-214639**.

**S5-214639 28.811 possible solution for network slice protection on N6 interface**

*Type: pCR For: Approval  
 28.811 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-214469)

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

**S5-214475 Solution Analysis and Recommendations for RAN Sharing Scenario**

*Type: pCR For: Approval  
 28.811 v0.5.0  
 Source: Ericsson LM*

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

**S5-214663 Latest draft TR 28.811**

*Type: draft TR For: Approval  
 28.811 v0.6.0  
 Source: Huawei*

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

#### 6.5.4 Study on YANG PUSH

**S5-214203 pCR TR 28.818 Anaysis on the solutsion set for management service**

*Type: pCR For: Approval  
 28.818 v0.0.1  
 Source: Huawei*

**Decision:** The document was **revised to S5-214640**.

**S5-214640 pCR TR 28.818 Anaysis on the solutsion set for management service**

*Type: pCR For: Approval  
 28.818 v0.0.1  
 Source: Huawei*

(Replaces S5-214203)

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

**S5-214483 Functionality of YANG-Push**

*Type: pCR For: Approval  
 28.818 v0.0.0  
 Source: Ericsson Hungary Ltd*

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

**S5-214590 Why to use YANG-Push**

*Type: discussion For: discussion  
 Source: Ericsson*

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

**S5-214664 Latest draft TR 28.818**

*Type: draft TR For: Approval  
 28.818 v0.1.0  
 Source: Ericsson*

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

#### 6.5.5 Study on access control for management service

**S5-214403 pCR 28.817 solution for external consumer accessing MnS**

*Type: pCR For: Agreement  
 28.817 v0.3.0  
 Source: Samsung Electronics Benelux BV*

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

**S5-214462 28.817 possible solution to support access control on management service**

*Type: pCR For: Approval  
 28.817 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-214642**.

**S5-214642 28.817 possible solution to support access control on management service**

*Type: pCR For: Approval  
 28.817 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-214462)

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

**S5-214463 28.817 consolidate potential requirements of various use cases**

*Type: pCR For: Approval  
 28.817 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-214643**.

**S5-214643 28.817 consolidate potential requirements of various use cases**

*Type: pCR For: Approval  
 28.817 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-214463)

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

**S5-214464 28.817 conclusions and recommendations**

*Type: pCR For: Approval  
 28.817 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-214644**.

**S5-214644 28.817 conclusions and recommendations**

*Type: pCR For: Approval  
 28.817 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-214464)

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

**S5-214465 Presentation sheet for approval of TR 28.817**

*Type: TS or TR cover For: Approval  
 28.817 v..  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214466 new WI proposal for access control on management service**

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

**Abstract:**

based on conclusion: we can either use TEI17 and adNRM for that or create new WI

**Decision:** The document was **revised to S5-214533**.

**S5-214533 new WI proposal for access control on management service**

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

(Replaces S5-214466)

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

**S5-214467 LS to SA3 for progress of security related work in SA5**

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

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

**S5-214750 Latest draft TR 28.817**

*Type: draft TR For: Approval  
 28.817 v0.4.0  
 Source: Nokia*

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

#### 6.5.6 Study on network slice management capability exposure

**S5-214077 Discussion paper on 5G exposure**

*Type: discussion For: Endorsement  
 Source: Orange, Ericsson, Huawei, AT&T, Telefonica*

**Discussion:**

Endorsed the other content except the exposure via BSS only and alarm representation

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

**S5-214100 Use case - Exposure NRM for different types of applications**

*Type: pCR For: Approval  
 28.824 v0.1.0  
 Source: Alibaba Group*

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

**S5-214101 Discussion paper on exposure NRM**

*Type: discussion For: Endorsement  
 28.824 v..  
 Source: Alibaba Group*

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

**S5-214128 pCR 28.824 Improve description of roles**

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

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

**S5-214219 pCR TR 28.824 Add concrete scenarios for management capability exposure to external customer**

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

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

**S5-214356 use case - eMnS discovery service**

*Type: pCR For: Approval  
 28.824 v0.1.0  
 Source: Alibaba Group*

**Decision:** The document was **revised to S5-214645**.

**S5-214645 use case - eMnS discovery service**

*Type: pCR For: Approval  
 28.824 v0.1.0  
 Source: Alibaba Group*

(Replaces S5-214356)

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

**S5-214487 Discussion paper on service management scenarios**

*Type: discussion For: Information  
 Source: Ericsson GmbH, Eurolab, Deutsche Telekom*

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

**S5-214491 pCR TR 28.824 Correction of figures in exposure scenarios**

*Type: pCR For: Approval  
 28.824 v0.1.0  
 Source: Ericsson GmbH, Eurolab, Deutsche Telekom*

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

**S5-214492 pCR TR 28.824 Service management provided by multiple companies at product change**

*Type: pCR For: Approval  
 28.824 v0.1.0  
 Source: Ericsson GmbH, Eurolab, Deutsche Telekom*

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

**S5-214493 pCR TR 28.824 Service management provided by multiple companies at product order**

*Type: pCR For: Approval  
 28.824 v0.1.0  
 Source: Ericsson GmbH, Eurolab, Deutsche Telekom*

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

**S5-214504 pCR 28.824 eMNs discovery by other systems**

*Type: pCR For: Approval  
 28.824 v0.1.0  
 Source: Lenovo, Motorola Mobility*

**Decision:** The document was **revised to S5-214646**.

**S5-214646 pCR 28.824 eMNs discovery by other systems**

*Type: pCR For: Approval  
 28.824 v0.1.0  
 Source: Lenovo, Motorola Mobility*

(Replaces S5-214504)

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

**S5-214757 Latest draft TR 28.824**

*Type: draft TR For: Approval  
 28.824 v0.2.0  
 Source: Alibaba*

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

#### 6.5.7 Study on continuous integration continuous delivery support for 3GPP NFs

**S5-214383 pCR 28.819 Solution dynamic software update and live testing use case**

*Type: pCR For: Agreement  
 28.819 v0.1.0  
 Source: Samsung Electronics Benelux BV*

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

**S5-214498 pCR TR 28.819 Add test classifications**

*Type: pCR For: Approval  
 28.819 v0.1.0  
 Source: Lenovo, Motorola Mobility, CMCC*

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

**S5-214499 pCR 28.819 add use case on tests' CRUD**

*Type: pCR For: Approval  
 28.819 v0.1.0  
 Source: Lenovo, Motorola Mobility, CMCC*

**Decision:** The document was **revised to S5-214647**.

**S5-214647 pCR 28.819 add use case on tests' CRUD**

*Type: pCR For: Approval  
 28.819 v0.1.0  
 Source: Lenovo, Motorola Mobility, CMCC*

(Replaces S5-214499)

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

**S5-214500 pCR 28.819 add use case to provide vendor feedback**

*Type: pCR For: Approval  
 28.819 v0.1.0  
 Source: Lenovo, Motorola Mobility, CMCC*

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

**S5-214501 pCR 28.819 Split operational testing scenario**

*Type: pCR For: Approval  
 28.819 v0.1.0  
 Source: Lenovo, Motorola Mobility, CMCC*

**Decision:** The document was **revised to S5-214648**.

**S5-214648 pCR 28.819 Split operational testing scenario**

*Type: pCR For: Approval  
 28.819 v0.1.0  
 Source: Lenovo, Motorola Mobility, CMCC*

(Replaces S5-214501)

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

**S5-214502 pcr 28.819 correct title**

*Type: pCR For: Approval  
 28.819 v0.1.0  
 Source: Lenovo Information Technology*

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

**S5-214751 Latest draft TR 28.819**

*Type: draft TR For: Approval  
 28.819 v0.2.0  
 Source: Lenovo*

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

#### 6.5.8 Study on enhancement of service based management architecture

**S5-214170 Apply SOA models to eSBMA**

*Type: pCR For: Approval  
 28.925 v0.1.0  
 Source: China Unicom, Huawei*

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

**S5-214293 TR 28.925 Add conclusion and recommendation for Issue#4**

*Type: pCR For: (not specified)  
 28.925 v0.1.0  
 Source: Huawei Technologies (Korea)*

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

**S5-214299 TR 28.925 Add key issue on modelling of MnF**

*Type: pCR For: (not specified)  
 28.925 v0.1.0  
 Source: Huawei Technologies (Korea)*

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

**S5-214451 R17 pCR 28925-010 First conclusions for 28.533**

*Type: pCR For: (not specified)  
 28.925 v0.1.0  
 Source: Ericsson Inc.*

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

**S5-214452 R17 pCR 28925-010 First conclusion for NSA**

*Type: pCR For: (not specified)  
 28.925 v0.1.0  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-214649**.

**S5-214649 R17 pCR 28925-010 First conclusion for NSA**

*Type: pCR For: -  
 28.925 v0.1.0  
 Source: Ericsson Inc.*

(Replaces S5-214452)

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

**S5-214752 Latest draft TR 28.925**

*Type: draft TR For: Approval  
 28.925 v0.2.0  
 Source: Huawei,Ericsson*

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

#### 6.5.9 Study on Management Aspects of 5G Network Sharing

**S5-214054 Initial skeleton (v0.0.0) of TR 28.825**

*Type: draft TR For: Approval  
 28.825 v0.0.0  
 Source: China Unicom*

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

**S5-214055 Add structure for TR 28.825**

*Type: pCR For: Approval  
 28.825 v0.0.0  
 Source: China Unicom*

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

**S5-214188 pCR 28.825 Add deployment examples of NG-RAN sharing with&without multi cellId**

*Type: pCR For: Approval  
 28.825 v0.0.0  
 Source: ZTE Corporation*

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

**S5-214189 pCR 28.825 Add deployment examples of NG-RAN sharing with multi SSB**

*Type: pCR For: Approval  
 28.825 v0.0.0  
 Source: ZTE Corporation*

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

**S5-214190 pCR 28.825 Add potential solution of NRM enhancement to support NG-RAN sharing**

*Type: pCR For: Approval  
 28.825 v0.0.0  
 Source: ZTE Corporation*

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

**S5-214204 pCR TR 28.825 Add scenario, requirements and potential solution for 5G MOCN network sharing**

*Type: pCR For: Approval  
 28.825 v0.0.0  
 Source: Huawei,China Unicom, CATT,China Mobile,Orange, China Telecom,Ericsson*

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

**S5-214205 pCR TR 28.825 Add requirements and potential solution for F1 interface configuration for 5G MOCN network sharing with multiple Cell Id broadcast scenario**

*Type: pCR For: Approval  
 28.825 v0.0.0  
 Source: Huawei,China Unicom, CATT,China Mobile,Orange, China Telecom,Ericsson*

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

**S5-214206 pCR TR 28.825 add NR Cell relation configuration requirements and corresponding solution for 5G MOCN network sharing with multi-Cell Id broadcast scenario**

*Type: pCR For: Approval  
 28.825 v0.0.0  
 Source: Huawei,China Unicom, CATT,China Mobile,Orange, China Telecom,Ericsson*

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

**S5-214220 pCR TR 28.825 Add requirement and potential solution for NRM enhancement to support network sharing**

*Type: pCR For: (not specified)  
 28.825 v0.0.0  
 Source: China Unicom*

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

**S5-214347 LS to RAN3 on the F1 interface for MOCN network sharing for multiple Cell Identity broadcast scenario**

*Type: LS out For: Approval  
 to RAN3  
 Source: HUAWEI Technologies Japan K.K.*

**Decision:** The document was **revised to S5-214652**.

**S5-214652 LS to RAN3 on the F1 interface for MOCN network sharing for multiple Cell Identity broadcast scenario**

*Type: LS out For: Approval  
 to RAN3  
 Source: HUAWEI Technologies Japan K.K.*

(Replaces S5-214347)

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

**S5-214753 Latest draft TR 28.825**

*Type: draft TR For: Approval  
 28.825 v0.1.0  
 Source: China Unicom*

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

## 7 Charging

### 7.1 Charging Plenary

**S5-214008 CH agenda and time plan**

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

**Decision:** The document was **revised to S5-214669**.

**S5-214669 CH agenda and time plan**

*Type: agenda For: -  
 Source: WG vice Chair (Nokia)*

(Replaces S5-214008)

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

**S5-214009 Charging exec report**

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

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

**S5-214018 Resubmitted Reply LS on making PSCell ID available at the SGW of EPC**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2100248*

**Decision:** The document was **replied to in S5-214069**.

**S5-214027 LS on Clarifications on the offline charging only indication**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C3-213546*

**Decision:** The document was **replied to in S5-214668**.

**S5-214043 Reply LS on making PSCell ID available at the SGW of EPC**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2100248*

**Decision:** The document was **replied to in S5-214069**.

**S5-214512 List of Approved DraftCRs**

*Type: other For: Information  
 Source: WG Vice Chair (Nokia)*

**Decision:** The document was **revised to S5-214719**.

**S5-214719 List of Approved DraftCRs**

*Type: other For: Information  
 Source: WG Vice Chair (Nokia)*

(Replaces S5-214512)

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

### 7.2 New Charging Work Item proposals

**S5-214158 New WID Charging aspects of edge computing**

*Type: WID new For: Approval  
 Source: Intel Finland Oy*

**Decision:** The document was **revised to S5-214714**.

**S5-214714 New WID Charging aspects of edge computing**

*Type: WID new For: Approval  
 Source: Intel Finland Oy*

(Replaces S5-214158)

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

**S5-214312 New SID on new network resource usage type for charging in the 5G System (5GS)**

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

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

### 7.3 Charging Maintenance and Rel-17 small Enhancements

**S5-214067 Rel-17 CR 32.299 Introduction of PSCell ID in SGW CDR**

*Type: CR For: Agreement  
 32.299 v16.2.0 CR-0824 Cat: C (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214068 Rel-17 CR 32.298 Introduction of PSCell ID in SGW CDR**

*Type: CR For: Agreement  
 32.298 v16.9.0 CR-0872 Cat: C (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214069 LS out on PSCELL ID availability in SGW CDR**

*Type: LS out For: Approval  
 to ETSI TC LI, cc TSG SA, SA3LI, RAN3,SA2  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214070 Rel-16 CR 32.240 Correction on Converged charging functions**

*Type: CR For: Agreement  
 32.240 v16.3.0 CR-0427 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-214705**.

**S5-214705 Rel-16 CR 32.240 Correction on Converged charging functions**

*Type: CR For: Agreement  
 32.240 v16.3.0 CR-0427 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-214070)

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

**S5-214071 Rel-17 CR 32.240 Correction on Converged charging functions**

*Type: CR For: Agreement  
 32.240 v17.2.0 CR-0428 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-214706**.

**S5-214706 Rel-17 CR 32.240 Correction on Converged charging functions**

*Type: CR For: Agreement  
 32.240 v17.2.0 CR-0428 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-214071)

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

**S5-214072 Rel-17 CR 32.250 Inclusive language review**

*Type: CR For: Agreement  
 32.250 v16.0.0 CR-0049 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214073 Rel-17 CR 32.272 Inclusive language review**

*Type: CR For: Agreement  
 32.272 v16.0.0 CR-0039 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214074 Rel-17 CR 32.295 Inclusive language review**

*Type: CR For: Agreement  
 32.295 v16.0.0 CR-0014 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214075 Rel-17 CR 32.298 Inclusive language review**

*Type: CR For: Agreement  
 32.298 v16.9.0 CR-0873 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214076 Rel-17 CR 32.299 Inclusive language review**

*Type: CR For: Agreement  
 32.299 v16.2.0 CR-0825 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214250 Rel-16 CR 32.291 Quota threshold clarification**

*Type: CR For: Approval  
 32.291 v16.8.1 CR-0331 Cat: F (Rel-16)  
  
 Source: China Mobile Com. Corporation*

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

**S5-214337 Rel-17 draftCR 32.291 Support of stateless CHFs**

*Type: CR For: Approval  
 32.291 v16.8.1 CR-0334 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-214338 Rel-16 CR 32.291 Clarify the Presence Reporting Area information**

*Type: CR For: Approval  
 32.291 v16.8.1 CR-0335 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-214717**.

**S5-214717 Rel-16 CR 32.291 Clarify the Presence Reporting Area information**

*Type: CR For: Approval  
 32.291 v16.8.1 CR-0335 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-214338)

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

**S5-214339 Rel-16 CR 32.291 Correction on the Used Unit contanier in the QFIContainerInformation**

*Type: CR For: Approval  
 32.291 v16.8.1 CR-0336 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-214340 Rel-16 CR 32.291 Clarify the User Location information**

*Type: CR For: Approval  
 32.291 v16.8.1 CR-0337 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-214718**.

**S5-214718 Rel-16 CR 32.291 Clarify the User Location information**

*Type: CR For: Approval  
 32.291 v16.8.1 CR-0337 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-214340)

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

**S5-214341 Rel-16 CR 32.255 Addition of supported fields for the Offline Only Charging**

*Type: CR For: Approval  
 32.255 v16.9.0 CR-0323 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-214342 Rel-17 CR 32.255 Addition of supported fields for the Offline Only Charging**

*Type: CR For: Approval  
 32.255 v17.2.0 CR-0324 Cat: A (Rel-17)  
  
 Source: Huawei*

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

**S5-214343 Rel-16 CR 32.255 Corretion on Charging Data Request Message**

*Type: CR For: Approval  
 32.255 v16.9.0 CR-0325 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-214344 Rel-17 CR 32.255 Corretion on Charging Data Request Message**

*Type: CR For: Approval  
 32.255 v17.2.0 CR-0326 Cat: A (Rel-17)  
  
 Source: Huawei*

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

**S5-214345 Rel-16 CR 32.255 Alignment of the charging data request and response**

*Type: CR For: Approval  
 32.255 v16.9.0 CR-0327 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-214346 Rel-17 CR 32.255 Alignment of the charging data request and response**

*Type: CR For: Approval  
 32.255 v17.2.0 CR-0328 Cat: A (Rel-17)  
  
 Source: Huawei*

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

**S5-214415 Discussion paper on error responses**

*Type: discussion For: Endorsement  
 Source: Ericsson LM*

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

**S5-214416 Discussion paper on sequence number**

*Type: discussion For: Endorsement  
 Source: Ericsson LM*

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

**S5-214417 Discussion paper on volume limit handling**

*Type: discussion For: Endorsement  
 Source: Ericsson LM*

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

**S5-214418 Rel-16 CR 32.255 Correcting serving network function usage**

*Type: CR For: Agreement  
 32.255 v16.9.0 CR-0329 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-214725**.

**S5-214725 Rel-16 CR 32.255 Correcting serving network function usage**

*Type: CR For: Agreement  
 32.255 v16.9.0 CR-0329 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

(Replaces S5-214418)

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

**S5-214419 Rel-17 CR 32.255 Correcting serving network function usage**

*Type: CR For: Agreement  
 32.255 v17.2.0 CR-0330 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-214726**.

**S5-214726 Rel-17 CR 32.255 Correcting serving network function usage**

*Type: CR For: Agreement  
 32.255 v17.2.0 CR-0330 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-214419)

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

**S5-214420 Rel-16 CR 32.290 Correcting of trigger type usage**

*Type: CR For: Agreement  
 32.290 v16.8.0 CR-0166 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-214421 Rel-17 CR 32.290 Correcting of trigger type usage**

*Type: CR For: Agreement  
 32.290 v17.2.0 CR-0167 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-214422 Rel-16 CR 32.291 Correcting trigger type attribute usage**

*Type: CR For: Agreement  
 32.291 v16.8.1 CR-0338 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-214423 Rel-17 CR 32.291 Correcting filter rule as list**

*Type: CR For: Agreement  
 32.291 v16.8.1 CR-0339 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-214708**.

**S5-214708 Rel-17 CR 32.291 Correcting filter rule as list**

*Type: CR For: Agreement  
 32.291 v16.8.1 CR-0339 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-214423)

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

**S5-214665 LS Reply on the offline charging only indication**

*Type: LS in For: discussion  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2106558*

**Decision:** The document was **replied to in S5-214668**.

**S5-214668 Reply to: LS Reply on the offline charging only indication**

*Type: LS out For: approval  
 to SA2,CT3  
 Source: Matrixx*

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

**S5-214666 Rel-16 CR 32.290 Quota threshold clarification**

*Type: CR For: Agreement  
 32.290 v16.8.0 CR-0168 Cat: F (Rel-16)  
  
 Source: China Mobile Com. Corporation*

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

**S5-214707 Rel-17 CR 32.290 Quota threshold clarification**

*Type: CR For: Agreement  
 32.290 v17.2.0 CR-0169 Cat: A (Rel-17)  
  
 Source: China Mobile*

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

**S5-214709 Rel-16 CR 32.291 Update OpenAPI version**

*Type: CR For: Agreement  
 32.291 v16.8.1 CR-0342 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-214710 Rel-17 CR 32.291 Update OpenAPI version**

*Type: CR For: Agreement  
 32.291 v16.8.1 CR-0343 Cat: F (Rel-17)  
  
 Source: Huawei*

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

### 7.4 Rel-17 Charging

#### 7.4.1 IMS Charging in 5G System Architecture

**S5-214424 Rel-17 draftCR 32.291 Addition of IMS charging information**

*Type: draftCR For: Approval  
 32.291 v16.8.1  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-214729**.

**S5-214729 Rel-17 draftCR 32.291 Addition of IMS charging information**

*Type: draftCR For: Approval  
 32.291 v16.8.1  
 Source: Ericsson LM*

(Replaces S5-214424)

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

**S5-214670 Rel-17 CR 32.291 Addition of IMS charging information**

*Type: CR For: Agreement  
 32.291 v16.8.1 CR-0340 Cat: B (Rel-17)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-214760**.

**S5-214760 Rel-17 CR 32.291 Addition of IMS charging information**

*Type: CR For: Agreement  
 32.291 v16.8.1 CR-0340 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson*

(Replaces S5-214670)

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

#### 7.4.2 Charging enhancement for URLLC

**S5-214323 Rel-17 CR 32.255 Addition of the PDU Session Pair ID**

*Type: CR For: Approval  
 32.255 v17.2.0 CR-0319 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-214671**.

**S5-214671 Rel-17 CR 32.255 Addition of the PDU Session Pair ID**

*Type: CR For: Approval  
 32.255 v17.2.0 CR-0319 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-214323)

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

**S5-214324 Rel-17 CR 32.255 Correction on RSN**

*Type: CR For: Approval  
 32.255 v17.2.0 CR-0320 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-214325 Rel-17 CR 32.255 Correction on usage reporting for URLLC charging**

*Type: CR For: Approval  
 32.255 v17.2.0 CR-0321 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-214672**.

**S5-214672 Rel-17 CR 32.255 Correction on usage reporting for URLLC charging**

*Type: CR For: Approval  
 32.255 v17.2.0 CR-0321 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-214325)

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

**S5-214326 Rel-17 DraftCR 32.291 Update URLLC charging information**

*Type: draftCR For: Approval  
 32.291 v16.8.1  
 Source: Huawei*

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

**S5-214327 Rel-17 DraftCR 32.298 Update URLLC charging information**

*Type: draftCR For: Approval  
 32.298 v16.9.0  
 Source: Huawei*

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

**S5-214328 Rel-17 input to DraftCR 32.291 Addition of new information element**

*Type: draftCR For: Approval  
 32.291 v16.8.1  
 Source: Huawei*

**Decision:** The document was **revised to S5-214771**.

**S5-214771 Rel-17 input to DraftCR 32.291 Addition of new information element**

*Type: draftCR For: Approval  
 32.291 v16.8.1  
 Source: Huawei*

(Replaces S5-214328)

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

**S5-214329 Rel-17 input to DraftCR 32.298 Addition of new information element**

*Type: draftCR For: Approval  
 32.298 v16.9.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-214770**.

**S5-214770 Rel-17 input to DraftCR 32.298 Addition of new information element**

*Type: draftCR For: Approval  
 32.298 v16.9.0  
 Source: Huawei*

(Replaces S5-214329)

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

**S5-214667 LS on UPF reporting for redundant transmission on transport layer**

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

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

**S5-214673 Rel-17 CR 32.291 Addition of new URLLC information element**

*Type: CR For: Agreement  
 32.291 v16.8.1 CR-0341 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-214674 Rel-17 CR 32.298 Addition of new URLLC information element**

*Type: CR For: discussion  
 32.298 v16.9.0 CR-0876 Cat: B (Rel-17)  
  
 Source: Huawei*

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

#### 7.4.3 N40 Interface Enhancements to Support GERAN and UTRAN

**S5-214253 Rel-17 CR 32.291 Nchf interface enhancements to support of GERAN and UTRAN**

*Type: CR For: Approval  
 32.291 v16.8.1 CR-0332 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-214675**.

**S5-214675 Rel-17 CR 32.291 Nchf interface enhancements to support of GERAN and UTRAN**

*Type: CR For: Approval  
 32.291 v16.8.1 CR-0332 rev 1 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-214253)

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

**S5-214254 Rel-17 CR 32.298 Add GERAN-UTRAN user location information**

*Type: CR For: Approval  
 32.298 v16.9.0 CR-0874 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-214676**.

**S5-214676 Rel-17 CR 32.298 Add GERAN-UTRAN user location information**

*Type: CR For: Approval  
 32.298 v16.9.0 CR-0874 rev 1 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-214254)

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

**S5-214255 Rel-17 CR 32.298 CHF CDR enhancements to support of GERAN and UTRAN**

*Type: CR For: Approval  
 32.298 v16.9.0 CR-0875 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-214728**.

**S5-214728 Rel-17 CR 32.298 CHF CDR enhancements to support of GERAN and UTRAN**

*Type: CR For: Approval  
 32.298 v16.9.0 CR-0875 rev 1 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-214255)

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

**S5-214330 Rel-17 CR 32.255 update description for charging message in annex C.2**

*Type: CR For: Approval  
 32.255 v17.2.0 CR-0322 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-214677**.

**S5-214677 Rel-17 CR 32.255 update description for charging message in annex C.2**

*Type: CR For: Approval  
 32.255 v17.2.0 CR-0322 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-214330)

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

**S5-214331 Rel-17 CR 32.290 update service description regarding GERAN UTRAN access**

*Type: CR For: Approval  
 32.290 v17.2.0 CR-0165 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-214678**.

**S5-214678 Rel-17 CR 32.290 update service description regarding GERAN UTRAN access**

*Type: CR For: Approval  
 32.290 v17.2.0 CR-0165 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-214331)

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

**S5-214332 Rel-17 CR 32.291 Add parameters related to GERAN and UTRAN access**

*Type: CR For: Approval  
 32.291 v16.8.1 CR-0333 Cat: B (Rel-17)  
  
 Source: Huawei*

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

### 7.5 Charging studies

#### 7.5.1 Study on charging aspects of Edge Computing

**S5-214085 Introduction of a new key issue and solution**

*Type: pCR For: Approval  
 28.815 v1.0.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214150 pCR 28.815 Add solutions on charging for 5GS usage based on monitored QoS**

*Type: pCR For: Approval  
 28.815 v0.5.0  
 Source: Intel Finland Oy*

**Decision:** The document was **revised to S5-214679**.

**S5-214679 pCR 28.815 Add solutions on charging for 5GS usage based on monitored QoS**

*Type: pCR For: Approval  
 28.815 v0.5.0  
 Source: Intel Finland Oy*

(Replaces S5-214150)

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

**S5-214151 pCR 28.815 Add solutions on charging for Session with QoS**

*Type: pCR For: Approval  
 28.815 v0.5.0  
 Source: Intel Finland Oy*

**Decision:** The document was **revised to S5-214680**.

**S5-214680 pCR 28.815 Add solutions on charging for Session with QoS**

*Type: pCR For: Approval  
 28.815 v0.5.0  
 Source: Intel Finland Oy*

(Replaces S5-214151)

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

**S5-214152 pCR 28.815 Add evaluation and conclusion for edge enabling infrastructure resource charging**

*Type: pCR For: Approval  
 28.815 v0.5.0  
 Source: Intel Finland Oy*

**Decision:** The document was **revised to S5-214681**.

**S5-214681 pCR 28.815 Add evaluation and conclusion for edge enabling infrastructure resource charging**

*Type: pCR For: Approval  
 28.815 v0.5.0  
 Source: Intel Finland Oy*

(Replaces S5-214152)

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

**S5-214153 pCR 28.815 Add evaluation and conclusion for edge application server deployment charging**

*Type: pCR For: Approval  
 28.815 v0.5.0  
 Source: Intel Finland Oy*

**Decision:** The document was **revised to S5-214682**.

**S5-214682 pCR 28.815 Add evaluation and conclusion for edge application server deployment charging**

*Type: pCR For: Approval  
 28.815 v0.5.0  
 Source: Intel Finland Oy*

(Replaces S5-214153)

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

**S5-214154 pCR 28.815 Add evaluation and conclusion for edge enabling services usage charging**

*Type: pCR For: Approval  
 28.815 v0.5.0  
 Source: Intel Finland Oy*

**Decision:** The document was **revised to S5-214683**.

**S5-214683 pCR 28.815 Add evaluation and conclusion for edge enabling services usage charging**

*Type: pCR For: Approval  
 28.815 v0.5.0  
 Source: Intel Finland Oy*

(Replaces S5-214154)

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

**S5-214155 pCR 28.815 Rapporteur's clean-up**

*Type: pCR For: Approval  
 28.815 v0.5.0  
 Source: Intel Finland Oy*

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

**S5-214156 pCR 28.815 Add conclusions and recommendations**

*Type: pCR For: Approval  
 28.815 v0.5.0  
 Source: Intel Finland Oy*

**Decision:** The document was **revised to S5-214684**.

**S5-214684 pCR 28.815 Add conclusions and recommendations**

*Type: pCR For: Approval  
 28.815 v0.5.0  
 Source: Intel Finland Oy*

(Replaces S5-214156)

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

**S5-214157 Presentation of TR 28.815 for approval**

*Type: pCR For: Approval  
 28.815 v0.5.0  
 Source: Intel Finland Oy*

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

**S5-214313 Rel-17 pCR 28.815 Addition of solution for edge application access charging**

*Type: pCR For: Approval  
 28.815 v1.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-214685**.

**S5-214685 Rel-17 pCR 28.815 Addition of solution for edge application access charging**

*Type: pCR For: Approval  
 28.815 v1.0.0  
 Source: Huawei*

(Replaces S5-214313)

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

**S5-214374 pCR Add ECS charging information aggregation and technical solution**

*Type: pCR For: Approval  
 28.815 v1.0.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

**Decision:** The document was **revised to S5-214711**.

**S5-214711 pCR Add ECS charging information aggregation and technical solution**

*Type: pCR For: Approval  
 28.815 v1.0.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

(Replaces S5-214374)

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

**S5-214425 Rel-17 pCR 28.815 Adding EAS deployment charging evaluation**

*Type: pCR For: Approval  
 28.815 v1.0.0  
 Source: Ericsson LM*

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

**S5-214686 Draft TR 28.815**

*Type: draft TR For: Approval  
 28.815 v1.1.0  
 Source: Intel*

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

**S5-214704 Draft TR 28.827**

*Type: draft TR For: Approval  
 28.827 v0.1.0  
 Source: Ericsson*

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

**S5-214727 Presentation of TR 28.815 for information**

*Type: TS or TR cover For: Approval  
 28.815 v0.6.0  
 Source: Intel*

**Decision:** The document was **revised to S5-214756**.

**S5-214756 Presentation of TR 28.815 for information**

*Type: TS or TR cover For: Approval  
 28.815 v0.6.0  
 Source: Intel*

(Replaces S5-214727)

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

#### 7.5.2 Study on charging aspects of 5GS CIoT

**S5-214333 pCR 28.816 add potential solution for 5G data connectivity domain charging**

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

**Decision:** The document was **revised to S5-214687**.

**S5-214687 pCR 28.816 add potential solution for 5G data connectivity domain charging**

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

(Replaces S5-214333)

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

**S5-214334 pCR 28.816 add potential solution for 5G data connectivity domain charging in home-routed roaming scenarios**

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

**Decision:** The document was **revised to S5-214688**.

**S5-214688 pCR 28.816 add potential solution for 5G data connectivity domain charging in home-routed roaming scenarios**

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

(Replaces S5-214334)

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

**S5-214335 pCR 28.816 add potential solution for 5G data connectivity domain charging in EPS interworking**

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

**Decision:** The document was **revised to S5-214689**.

**S5-214689 pCR 28.816 add potential solution for 5G data connectivity domain charging in EPS interworking**

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

(Replaces S5-214335)

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

**S5-214336 pCR 28.816 add potential solution for monitoring event domain charging**

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

**Decision:** The document was **revised to S5-214690**.

**S5-214690 pCR 28.816 add potential solution for monitoring event domain charging**

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

(Replaces S5-214336)

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

**S5-214443 pCR 28.816 add potential solution for control plane data transfer domain**

*Type: pCR For: Approval  
 28.816 v0.5.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

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

**S5-214450 pCR 28.816 add evaluation to NIDD based charging**

*Type: pCR For: Approval  
 28.816 v0.5.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

**Decision:** The document was **revised to S5-214712**.

**S5-214712 pCR 28.816 add evaluation to NIDD based charging**

*Type: pCR For: Approval  
 28.816 v0.5.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

(Replaces S5-214450)

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

**S5-214691 Draft TR 28.816**

*Type: draft TR For: Approval  
 28.816 v0.6.0  
 Source: Huawei*

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

**S5-214696 Draft TR 32.846**

*Type: draft TR For: Approval  
 32.846 v1.1.0  
 Source: CATT*

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

**S5-214700 Draft TR 28.822**

*Type: draft TR For: Approval  
 28.822 v0.4.0  
 Source: Huawei*

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

**S5-214720 Presentation of TR 28.816 for information**

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

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

#### 7.5.3 Study on charging aspects of Proximity-based Services in 5GC

**S5-214161 pCR 32.846 Updating descriptions on 5G ProSe**

*Type: pCR For: Approval  
 32.846 v1.0.0  
 Source: CATT*

**Decision:** The document was **revised to S5-214693**.

**S5-214693 pCR 32.846 Updating descriptions on 5G ProSe**

*Type: pCR For: Approval  
 32.846 v1.0.0  
 Source: CATT*

(Replaces S5-214161)

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

**S5-214162 pCR 32.846 Add possible solution for ProSe UE to Network relay**

*Type: pCR For: Approval  
 32.846 v1.0.0  
 Source: CATT*

**Decision:** The document was **revised to S5-214694**.

**S5-214694 pCR 32.846 Add possible solution for ProSe UE to Network relay**

*Type: pCR For: Approval  
 32.846 v1.0.0  
 Source: CATT*

(Replaces S5-214162)

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

**S5-214163 pCR 32.846 Add possible solution for ProSe Direct Communication charging based on QoS flow**

*Type: pCR For: Approval  
 32.846 v1.0.0  
 Source: CATT*

**Decision:** The document was **revised to S5-214695**.

**S5-214695 pCR 32.846 Add possible solution for ProSe Direct Communication charging based on QoS flow**

*Type: pCR For: Approval  
 32.846 v1.0.0  
 Source: CATT*

(Replaces S5-214163)

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

#### 7.5.4 Study on Charging Aspect of 5G LAN-type Services

**S5-214093 Rel-17 pCR 28.822 Add use case for 5G VN group management via provisioning**

*Type: pCR For: Approval  
 28.822 v0.3.0  
 Source: China Mobile*

**Decision:** The document was **revised to S5-214692**.

**S5-214692 Rel-17 pCR 28.822 Add use case for 5G VN group management via provisioning**

*Type: pCR For: Approval  
 28.822 v0.3.0  
 Source: China Mobile*

(Replaces S5-214093)

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

**S5-214096 Rel-17 pCR 28.822 Update UDM based solution for 5G VN group**

*Type: pCR For: Approval  
 28.822 v0.3.0  
 Source: China Mobile*

**Decision:** The document was **revised to S5-214697**.

**S5-214697 Rel-17 pCR 28.822 Update UDM based solution for 5G VN group**

*Type: pCR For: Approval  
 28.822 v0.3.0  
 Source: China Mobile*

(Replaces S5-214096)

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

**S5-214098 Rel-17 pCR 28.822 Update use case for traffic forwarding of 5G VN group communication**

*Type: pCR For: Approval  
 28.822 v0.3.0  
 Source: China Mobile*

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

**S5-214314 Rel-17 pCR 28.822 Add the solution for 5G VN group multicast and broadcast communication**

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

**Decision:** The document was **revised to S5-214698**.

**S5-214698 Rel-17 pCR 28.822 Add the solution for 5G VN group multicast and broadcast communication**

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

(Replaces S5-214314)

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

**S5-214315 Rel-17 pCR 28.822 Add the solution for 5G VN group unicast communication**

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

**Decision:** The document was **revised to S5-214699**.

**S5-214699 Rel-17 pCR 28.822 Add the solution for 5G VN group unicast communication**

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

(Replaces S5-214315)

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

**S5-214316 Rel-17 pCR 28.822 Evaluation of 5G VN group management solutions**

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

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

**S5-214317 Rel-17 pCR 28.822 Remove the editor‘s note for traffic forwarding**

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

**Decision:** The document was **revised to S5-214721**.

**S5-214721 Rel-17 pCR 28.822 Remove the editor‘s note for traffic forwarding**

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

(Replaces S5-214317)

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

**S5-214318 pCR 28.822 Add the use case usage of 5G VN group communication**

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

**Decision:** The document was **revised to S5-214722**.

**S5-214722 pCR 28.822 Add the use case usage of 5G VN group communication**

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

(Replaces S5-214318)

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

**S5-214426 Rel-17 pCR 28.822 Correcting architecture and flow for solution #1.2**

*Type: pCR For: Approval  
 28.822 v0.3.0  
 Source: Ericsson LM*

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

#### 7.5.5 Study on charging aspects for enhancements of Network Slicing Phase 2

**S5-214078 Rel-17 pCR 28.847 Combination of Key issues**

*Type: pCR For: Approval  
 32.847 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell, Matrixx*

**Decision:** The document was **revised to S5-214701**.

**S5-214701 Rel-17 pCR 28.847 Combination of Key issues**

*Type: pCR For: Approval  
 32.847 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell, Matrixx*

(Replaces S5-214078)

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

**S5-214079 Rel-17 pCR 28.847 New solution for KI#9**

*Type: pCR For: Approval  
 32.847 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214319 Rel-17 pCR 32.847 Additional background about NSPA Charging**

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

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

**S5-214320 Rel-17 pCR 32.847 Additional solution for NS Tenant Charging in solution 3.1**

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

**Decision:** The document was **revised to S5-214723**.

**S5-214723 Rel-17 pCR 32.847 Additional solution for NS Tenant Charging in solution 3.1**

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

(Replaces S5-214320)

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

**S5-214321 Rel-17 pCR 32.847 Clarification on the solution 1**

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

**Decision:** The document was **revised to S5-214713**.

**S5-214713 Rel-17 pCR 32.847 Clarification on the solution 1**

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

(Replaces S5-214321)

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

**S5-214322 Rel-17 pCR 32.847 Introduce solution for NS actual duration**

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

**Decision:** The document was **revised to S5-214724**.

**S5-214724 Rel-17 pCR 32.847 Introduce solution for NS actual duration**

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

(Replaces S5-214322)

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

**S5-214427 Rel-17 pCR 32.847 Adding event based solution to key issue 5**

*Type: pCR For: Approval  
 32.847 v0.3.0  
 Source: Ericsson LM*

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

**S5-214428 Rel-17 pCR 32.847 Adding session based solution to key issue 5**

*Type: pCR For: Approval  
 32.847 v0.3.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-214715**.

**S5-214715 Rel-17 pCR 32.847 Adding session based solution to key issue 5**

*Type: pCR For: Approval  
 32.847 v0.3.0  
 Source: Ericsson LM*

(Replaces S5-214428)

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

**S5-214429 Rel-17 pCR 32.847 Adding SMF based solution to key issue 6**

*Type: pCR For: Approval  
 32.847 v0.3.0  
 Source: Ericsson LM*

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

**S5-214506 Rel-17 pCR 28.847 Introduction of a new Key issue and solution – NSSAA charging**

*Type: pCR For: Approval  
 32.847 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-214702 Draft TR 32.847**

*Type: draft TR For: Approval  
 32.847 v0.4.0  
 Source: Matrixx*

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

#### 7.5.6 Study on Nchf charging services phase 2

**S5-214430 Initial skeleton (v0.0.0) of TR 28.826**

*Type: draft TR For: Approval  
 28.826 v0.0.0  
 Source: Ericsson LM*

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

#### 7.5.7 Study on 5G roaming charging architecture for wholesale and retail scenarios

**S5-214431 Initial skeleton (v0.0.0) of TR 28.827**

*Type: draft TR For: Approval  
 28.827 v0.0.0  
 Source: Ericsson LM*

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

**S5-214432 Rel-17 pCR 28.827 Addition of introduction and scope**

*Type: pCR For: Approval  
 28.827 v0.0.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-214703**.

**S5-214703 Rel-17 pCR 28.827 Addition of introduction and scope**

*Type: pCR For: Approval  
 28.827 v0.0.0  
 Source: Ericsson LM*

(Replaces S5-214432)

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

**S5-214433 Rel-17 pCR 28.827 Study document structure**

*Type: pCR For: Approval  
 28.827 v0.0.0  
 Source: Ericsson LM*

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

**S5-214434 Rel-17 pCR 28.827 Addition of business roles and concepts**

*Type: pCR For: Approval  
 28.827 v0.0.0  
 Source: Ericsson LM*

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

**S5-214435 Rel-17 pCR 28.827 Use case for home MNO charging subscriber for 5G data connectivity**

*Type: pCR For: Approval  
 28.827 v0.0.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-214716**.

**S5-214716 Rel-17 pCR 28.827 Use case for home MNO charging subscriber for 5G data connectivity**

*Type: pCR For: Approval  
 28.827 v0.0.0  
 Source: Ericsson LM*

(Replaces S5-214435)

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

**S5-214436 Rel-17 pCR 28.827 Use case for visited MNO charging home MNO for 5G data connectivity**

*Type: pCR For: Approval  
 28.827 v0.0.0  
 Source: Ericsson LM*

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

**S5-214437 Rel-17 pCR 28.827 Use case for visited MNO charging home MNO for 5G connection and mobility**

*Type: pCR For: Approval  
 28.827 v0.0.0  
 Source: Ericsson LM*

**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 |
| S5-214000 | Agenda | WG Chair | approved |  |  |
| S5-214001 | Report from last SA5 meeting | MCC | approved |  |  |
| S5-214002 | e-meeting process | WG Chair | noted |  |  |
| S5-214003 | Post e-meeting email approval status | WG Chair | not treated |  |  |
| S5-214004 | OAM&P action list | WG Vice Chair | revised |  | S5-214618 |
| S5-214005 | agenda\_with\_Tdocs\_sequence\_proposal\_OAM | WG Vice Chair | noted |  |  |
| S5-214006 | OAM Exec Report | WG Vice Chair | available |  |  |
| S5-214007 | OAM Chair notes and conclusions | WG Chair | noted |  |  |
| S5-214008 | CH agenda and time plan | WG vice Chair (Nokia) | revised |  | S5-214669 |
| S5-214009 | Charging exec report | WG vice Chair (Nokia) | noted |  |  |
| S5-214010 | SA5 working procedures | WG Chair | approved |  |  |
| S5-214011 | Process for management of draft TS-TRs | WG Chair | noted |  |  |
| S5-214012 | SA5 meeting calendar | WG CHair | noted |  |  |
| S5-214013 | Reply 3GPP LS S5-213522 to TM Forum on Intent Management | TMF | postponed |  |  |
| S5-214014 | PTP device monitoring Public Committee Draft | 32NF Technology Committee | noted |  |  |
| S5-214015 | Reply 3GPP LS S5-213444 to TM Forum on Multi-SDO Autonomous Networks | TMF | noted |  |  |
| S5-214016 | Multi-SDO Autonomous Networks (AN) Formal Liaison:  Request for review of Letter of Intent and report on the 21st of June Formal meeting  Ref AN-SDO2021-08 | TMF | replied to |  |  |
| S5-214017 | Resubmitted Reply LS on QoE Measurement Collection for LTE | RP-210922 | noted |  |  |
| S5-214018 | Resubmitted Reply LS on making PSCell ID available at the SGW of EPC | S2-2100248 | replied to |  |  |
| S5-214019 | Resubmitted LS on slicing management aspects in relation to SEAL | S6-210709 | postponed |  |  |
| S5-214020 | Resubmitted Reply LS to SA5 on network sharing with multiple SSBs in a carrier | R2-2104606 | noted |  |  |
| S5-214021 | Resubmitted LS reply to 3GPP SA5 on Network Slice EE KPIs | GSMA | replied to |  |  |
| S5-214022 | LS/r on methodology harmonization and REST-based network management framework (reply to 3GPP TSG SA5-S5-213454) | ITU-T SG2 | postponed |  |  |
| S5-214023 | Reply LS to GSMA Operator Platform Group ccSA5 on edge computing definition and integration | SP-210583 | noted |  |  |
| S5-214024 | LS ccSA5 on 5G capabilities exposure for factories of the future | S2-2104794 | noted |  |  |
| S5-214025 | LS ccSA5 on 5G capabilities exposure for factories of the future | S6-211497 | noted |  |  |
| S5-214026 | Answer to liaison from 3GPP SA5 EEPS(21)059002 | ETSI TC EE | noted |  |  |
| S5-214027 | LS on Clarifications on the offline charging only indication | C3-213546 | replied to |  |  |
| S5-214028 | LS on (de)activation and failure handling of NR QMC | R3-212975 | replied to |  |  |
| S5-214029 | LS reply to SA ccSA5 on GSMA 3GPP Edge Computing coordination | S2-2105034 | noted |  |  |
| S5-214030 | LS ccSA5 on the area handling for QoE during mobility | R3-212976 | noted |  |  |
| S5-214031 | Reply LS ccSA5 on Clarification on the API design principles | C4-213451 | noted |  |  |
| S5-214032 | LS on QoE report handling at QoE pause | R2-2106775 | replied to |  |  |
| S5-214033 | LS on QoE configuration and reporting related issues | R2-2106776 | replied to |  |  |
| S5-214034 | LS on Report Amount for M4, M5, M6, M7 measurements | R3-212961 | replied to |  |  |
| S5-214035 | LS ccSA5 on requirement for configuration changes of ongoing QMC sessions | R3-212953 | noted |  |  |
| S5-214036 | LS on the mapping between service types and slice at application | R3-212904 | postponed |  |  |
| S5-214037 | Reply LS on LS Reply on QoS Monitoring for URLLC | R3-212937 | noted |  |  |
| S5-214038 | Reply LS ccSA5 to CT4 on Information on the port number allocation solutions | R3-212800 | noted |  |  |
| S5-214039 | Reply LS ccSA5 on SA WG2 assumptions from conclusion of study on architecture aspects for using satellite access in 5G | R3-212916 | noted |  |  |
| S5-214040 | Response LS on Handover terminology | R3-212907 | noted |  |  |
| S5-214041 | Reply LS on the clarification of HO and/or reselection parameters ranges required by MLB | R3-212840 | noted |  |  |
| S5-214042 | Reply LS on QoE Measurement Collection for LTE | RP-210922 | withdrawn |  |  |
| S5-214043 | Reply LS on making PSCell ID available at the SGW of EPC | S2-2100248 | replied to |  |  |
| S5-214044 | LiaisonMulti-SDO Autonomous Networks (AN) Formal Liaison:21st June 2021 Meeting Invitation, agenda, Bridge, andMeeting Schedule Ref AN-SDO2021-07 | TMF | noted |  |  |
| S5-214045 | LS on initiation of a new work item M.il-AITOM “Intelligence Levels of AI enhanced Telecom Operation and Management” | ITU-T SG2 | noted |  |  |
| S5-214046 | LS/r on Network slice EE KPIs (reply to 3GPP TSG SA5-S5-2063446) | ITU-T SG5 | noted |  |  |
| S5-214047 | LS on the new work item on “Requirements and framework of NGNe orchestration enhancements for support computing power network” (Y.NGNe-O-CPN-reqts) | ITU-T SG13 | noted |  |  |
| S5-214048 | pCR TR 28.813 Add conclusion to Key Issue No. 10 | Orange | approved |  |  |
| S5-214049 | [Draft] LS reply to LS reply to 3GPP SA5 on Network Slice EE KPIs | Orange | revised |  | S5-214535 |
| S5-214050 | pCR TR 28.813 Update conclusion of Key Issue No. 4 | Orange | approved |  |  |
| S5-214051 | Motivations for a potential Rel-18 work item on Energy Efficiency of 5G | Orange | revised |  | S5-214527 |
| S5-214052 | YANG NR-NRM model structure repair and cleanup | Cisco Systems Belgium | agreed |  |  |
| S5-214053 | YANG NR-NRM model structure repair and cleanup | Cisco Systems Belgium | agreed |  |  |
| S5-214054 | Initial skeleton (v0.0.0) of TR 28.825 | China Unicom | approved |  |  |
| S5-214055 | Add structure for TR 28.825 | China Unicom | approved |  |  |
| S5-214056 | Increase flexibility of NetworkSlice to NetworkSliceSubnet relationship | Bell Mobility | not pursued |  |  |
| S5-214057 | Uplift definition of NetworkSliceSubnet | Bell Mobility | not pursued |  |  |
| S5-214058 | Discussion on PRB Usage for MIMO | China Unicom, Huawei, CATT | noted |  |  |
| S5-214059 | Add PRB Usage for MIMO scenario | China Unicom, Huawei | withdrawn |  |  |
| S5-214060 | LS to ETSI NFV on MANO performance measurements accuracy to estimate VNF energy consumption | Orange | revised |  | S5-214607 |
| S5-214061 | pCR 28.814 Add reference and abbreviation for 5GS enhancements for Edge Computing | Nanjing Ericsson Panda Com Ltd | approved |  |  |
| S5-214062 | pCR 28.814 Add concept and scenarios for 5GS enhancements for Edge Computing | Nanjing Ericsson Panda Com Ltd | revised |  | S5-214633 |
| S5-214063 | pCR 28.814 Add management aspect for 5GS enhancements for Edge Computing | Nanjing Ericsson Panda Com Ltd | revised |  | S5-214634 |
| S5-214064 | pCR 28.814 Add Use cases and potential requirements for 5GS enhancements for Edge Computing | Nanjing Ericsson Panda Com Ltd | revised |  | S5-214635 |
| S5-214065 | pCR 28.814 Add potential solutions for 5GS enhancements for Edge Computing | Nanjing Ericsson Panda Com Ltd | revised |  | S5-214636 |
| S5-214066 | Use of TopSliceSubnetProfile | Ericsson Telecomunicazioni SpA | revised |  | S5-214580 |
| S5-214067 | Rel-17 CR 32.299 Introduction of PSCell ID in SGW CDR | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-214068 | Rel-17 CR 32.298 Introduction of PSCell ID in SGW CDR | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-214069 | LS out on PSCELL ID availability in SGW CDR | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-214070 | Rel-16 CR 32.240 Correction on Converged charging functions | Nokia, Nokia Shanghai Bell | revised |  | S5-214705 |
| S5-214071 | Rel-17 CR 32.240 Correction on Converged charging functions | Nokia, Nokia Shanghai Bell | revised |  | S5-214706 |
| S5-214072 | Rel-17 CR 32.250 Inclusive language review | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-214073 | Rel-17 CR 32.272 Inclusive language review | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-214074 | Rel-17 CR 32.295 Inclusive language review | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-214075 | Rel-17 CR 32.298 Inclusive language review | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-214076 | Rel-17 CR 32.299 Inclusive language review | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-214077 | Discussion paper on 5G exposure | Orange, Ericsson, Huawei, AT&T, Telefonica | endorsed |  |  |
| S5-214078 | Rel-17 pCR 28.847 Combination of Key issues | Nokia, Nokia Shanghai Bell, Matrixx | revised |  | S5-214701 |
| S5-214079 | Rel-17 pCR 28.847 New solution for KI#9 | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-214080 | pCR 28.314 PnC Concepts and Requirements - ConceptAndBackground | Oy LM Ericsson AB | revised |  | S5-214621 |
| S5-214081 | pCR 28.314 PnC Concepts and Requirements - BusinessRequirements | Oy LM Ericsson AB | noted |  |  |
| S5-214082 | pCR 28.314 PnC Concepts and Requirements - SpecificationRequirements | Oy LM Ericsson AB | noted |  |  |
| S5-214083 | pCR 28.315 PnC Procedure flows - full spec | Oy LM Ericsson AB | noted |  |  |
| S5-214084 | Rel-17 CR 28.313 remove plug and connect procedure | Oy LM Ericsson AB | not pursued |  |  |
| S5-214085 | Introduction of a new key issue and solution | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-214086 | Initial skeleton (v0.1.0) of TS 28.538 | Samsung Electronics Benelux BV | withdrawn |  |  |
| S5-214087 | Initial skeleton (v0.1.0) of TS 28.538 | Samsung Electronics Benelux BV | revised |  | S5-214624 |
| S5-214088 | New Rel 18 WID on Self-Configuration of RAN NEs | China Mobile, Huawei | noted |  |  |
| S5-214089 | pCR 28.556 Add policy activation management procedures | China Mobile Com. Corporation | approved |  |  |
| S5-214090 | Deprecate Top-Attr and use Top instead | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-214091 | Deprecate Top-Attr and use Top instead | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-214092 | Fix incorrect attributes inheritance description | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-214093 | Rel-17 pCR 28.822 Add use case for 5G VN group management via provisioning | China Mobile | revised |  | S5-214692 |
| S5-214094 | pCR 28.556 Add policy deactivation management procedure | China Mobile Com. Corporation | approved |  |  |
| S5-214095 | Align different (abbreviated) names for support qualifier to “S” | Nokia, Nokia Shanghai Bell | revised |  | S5-214574 |
| S5-214096 | Rel-17 pCR 28.822 Update UDM based solution for 5G VN group | China Mobile | revised |  | S5-214697 |
| S5-214097 | Fix incorrect attributes inheritance description | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-214098 | Rel-17 pCR 28.822 Update use case for traffic forwarding of 5G VN group communication | China Mobile | approved |  |  |
| S5-214099 | Rel-17 CR 32.160 Change format for NRM stage 3 definition rules from JSON to YAML | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-214100 | Use case - Exposure NRM for different types of applications | Alibaba Group | noted |  |  |
| S5-214101 | Discussion paper on exposure NRM | Alibaba Group | noted |  |  |
| S5-214102 | pCR TR 28.813 Add new potential solution for Key Issue No. 2 | Orange | merged |  | S5-214631 |
| S5-214103 | Rel-17 CR TS 28.554 New Energy Consumption KPIs | Orange | agreed |  |  |
| S5-214104 | Rel-17 CR 28.541 Add survival time to CNSliceProfile | Huawei | agreed |  |  |
| S5-214105 | Rel-15 CR 28.622 Correction for vnfParametersList | Huawei | revised |  | S5-214566 |
| S5-214106 | Rel-16 CR 28.622 Correction for vnfParametersList | Huawei | revised |  | S5-214567 |
| S5-214107 | Rel-15 CR 28.531 correction\_of\_network\_slice\_subnet\_configuration | Huawei | revised |  | S5-214537 |
| S5-214108 | Rel-16 CR 28.531 correction\_of\_network\_slice\_subnet\_configuration | Huawei | revised |  | S5-214538 |
| S5-214109 | Rel-17 CR 28.531 correction\_of\_network\_slice\_subnet\_configuration | Huawei | revised |  | S5-214539 |
| S5-214110 | Rel-17 CR 28.541 Add NRM IOC of N5 N70 and N71 | Huawei | revised |  | S5-214587 |
| S5-214111 | Rel-17 CR 28.541adding\_NRM\_for\_N33 | Huawei | revised |  | S5-214588 |
| S5-214112 | Rel-17 CR 28.533 Add support for discovery of management services | Huawei | not pursued |  |  |
| S5-214113 | Rel-17 CR 28.537 Add support for discovery of management services | Huawei | revised |  | S5-214610 |
| S5-214114 | Rel-17 Input to Draft CR 28.622 Add IOC for discovery of management services | Huawei | revised |  | S5-214611 |
| S5-214115 | Rel-17 Input to Draft CR 28.623 Add IOC for discovery of management services | Huawei | revised |  | S5-214612 |
| S5-214116 | Rel-17 Input to Draft CR 28.533 Remove use case and requirement | Huawei | approved |  |  |
| S5-214117 | pCR 28.557 Add requirements of NPN management for 5GC | Huawei | revised |  | S5-214575 |
| S5-214118 | pCR 28.557 Add description of creating SNPN related to NID | Huawei | revised |  | S5-214576 |
| S5-214119 | Rel-17 CR 28.550 Add use case to management capability for tenant | Huawei | not pursued |  |  |
| S5-214120 | Rel-17 CR 28.545 Add use case to management capability for tenant | Huawei | not pursued |  |  |
| S5-214121 | Rel-17 CR 28.533 Add description of management capability for tenant | Huawei | not pursued |  |  |
| S5-214122 | pCR 28.538 add EDN NRM | Huawei | merged |  | S5-214626 |
| S5-214123 | pCR TS 28.100 Add generic autonomous network level for 5GC NF deployment | Huawei | noted |  |  |
| S5-214124 | Presentation sheet for approval of TR 28.811 | Huawei | noted |  |  |
| S5-214125 | pCR 28.811 Alignment of requirements | Huawei | revised |  | S5-214637 |
| S5-214126 | pCR 28.811 Consumption of NSaaS | Huawei | noted |  |  |
| S5-214127 | pCR 28.811 Correction of references | Huawei | approved |  |  |
| S5-214128 | pCR 28.824 Improve description of roles | Huawei | approved |  |  |
| S5-214129 | pCR 28.811 Network slice covering multiple networks | Huawei | noted |  |  |
| S5-214130 | Rel-16 CR 32.158 Correct definitions of resource update | Nokia, Nokia Shanghai Bell | revised | S5-213109 | S5-214573 |
| S5-214131 | Rel-16 CR 28.532 Remove last occurrences of “-Type” in data type names | Nokia, Nokia Shanghai Bell | revised |  | S5-214552 |
| S5-214132 | Rel-16 CR 28.532 Correct definition of the “timeTick” parameter in the File MnS | Nokia, Nokia Shanghai Bell | revised |  | S5-214553 |
| S5-214133 | Rel-16 CR 28.532 Add missing reference for TS 32.404 and RFC 6901 | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-214134 | Rel-16 CR 28.622 Add missing MnsAgent to class and inheritance diagrams | Nokia, Nokia Shanghai Bell | revised |  | S5-214568 |
| S5-214135 | pCR 28.814 cleanup | Intel Corporation (UK) Ltd | approved |  |  |
| S5-214136 | Rel-17 CR 28.313 Add RRM related measurements info | Intel Corporation (UK) Ltd | revised |  | S5-214600 |
| S5-214137 | Rel-17 CR 28.313 Add CCO use cases, requirements, information, and procedure | Intel Corporation (UK) Ltd | revised |  | S5-214603 |
| S5-214138 | Rel-17 CR 28.313 Editorial changes | Intel Corporation (UK) Ltd | revised |  | S5-214604 |
| S5-214139 | Rel-17 CR 28.552 Add RRM related measurements | Intel Corporation (UK) Ltd | revised |  | S5-214601 |
| S5-214140 | Rel-17 CR 28.552 Correction for the Number of Active Ues measurements | Intel Corporation (UK) Ltd | agreed |  |  |
| S5-214141 | Rel-17 CR 28.552 Add PCI related measurement | Intel Corporation (UK) Ltd | not pursued |  |  |
| S5-214142 | pCR 28.104 Add common information elements of MDA reports | Intel, NEC, China Telecom | noted |  |  |
| S5-214143 | pCR Add structure for TS 28.104 | Intel, NEC, China Telecom | noted |  |  |
| S5-214144 | pCR 28.104 Add introduction on MDA capabilities | Intel, NEC | noted |  |  |
| S5-214145 | pCR 28.104 Add MDA capability for coverage problem analysis | Intel, NEC | noted |  |  |
| S5-214146 | pCR 28.104 Add ML support for MDA | Intel | noted |  |  |
| S5-214147 | CR Rel-17 28.552 Add measurements related to AF session with QoS for NEF | Intel Belgium SA/NV | revised |  | S5-214734 |
| S5-214148 | CR Rel-17 28.552 Add measurements related to applying policy for NEF | Intel Belgium SA/NV | agreed |  |  |
| S5-214149 | CR Rel-17 28.552 Add measurements related to UCMF provisoning for NEF | Intel Belgium SA/NV | revised |  | S5-214735 |
| S5-214150 | pCR 28.815 Add solutions on charging for 5GS usage based on monitored QoS | Intel Finland Oy | revised |  | S5-214679 |
| S5-214151 | pCR 28.815 Add solutions on charging for Session with QoS | Intel Finland Oy | revised |  | S5-214680 |
| S5-214152 | pCR 28.815 Add evaluation and conclusion for edge enabling infrastructure resource charging | Intel Finland Oy | revised |  | S5-214681 |
| S5-214153 | pCR 28.815 Add evaluation and conclusion for edge application server deployment charging | Intel Finland Oy | revised |  | S5-214682 |
| S5-214154 | pCR 28.815 Add evaluation and conclusion for edge enabling services usage charging | Intel Finland Oy | revised |  | S5-214683 |
| S5-214155 | pCR 28.815 Rapporteur's clean-up | Intel Finland Oy | approved |  |  |
| S5-214156 | pCR 28.815 Add conclusions and recommendations | Intel Finland Oy | revised |  | S5-214684 |
| S5-214157 | Presentation of TR 28.815 for approval | Intel Finland Oy | noted |  |  |
| S5-214158 | New WID Charging aspects of edge computing | Intel Finland Oy | revised |  | S5-214714 |
| S5-214159 | CR Rel-15 28.550 Correction of OpenAPI | Intel Belgium SA/NV | revised |  | S5-214563 |
| S5-214160 | CR Rel-16 28.550 Correction of OpenAPI | Intel Belgium SA/NV | revised |  | S5-214564 |
| S5-214161 | pCR 32.846 Updating descriptions on 5G ProSe | CATT | revised |  | S5-214693 |
| S5-214162 | pCR 32.846 Add possible solution for ProSe UE to Network relay | CATT | revised |  | S5-214694 |
| S5-214163 | pCR 32.846 Add possible solution for ProSe Direct Communication charging based on QoS flow | CATT | revised |  | S5-214695 |
| S5-214164 | Rel-17 CR 28.541 Enhance 5GC NRM to support DDNMF | CATT | agreed |  |  |
| S5-214165 | Add PRB Usage for MIMO scenario | China Unicom, Huawei, CATT | not pursued |  |  |
| S5-214166 | Rel-16 CR TS 28.541 Remove the attribute definition which is not used | China Telecom Corporation Ltd. | agreed |  |  |
| S5-214167 | pCR 28.104 Add use case and requirement for MDA assisted energy saving analysis | China Telecom Corporation Ltd. | noted |  |  |
| S5-214168 | pCR 28.104 Add MDA capability for MDA assisted energy saving analysis | China Telecom Corporation Ltd. | noted |  |  |
| S5-214169 | Rel-17 CR TS 28.541 Remove the attribute definition which is not used | China Telecom Corporation Ltd. | agreed |  |  |
| S5-214170 | Apply SOA models to eSBMA | China Unicom, Huawei | noted |  |  |
| S5-214171 | New Rel-18 WID on Enhanced intent driven management services for mobile network | HUAWEI Technologies Japan K.K. | noted |  |  |
| S5-214172 | Rel-17 CR 28.535 Update the network prediction assisted SLS communication service assurance use case | China Telecom Corporation Ltd. | withdrawn |  |  |
| S5-214173 | Rel-17 CR 28.552 Add PLMN granularity to PDCP SDU data volume measurement per interface for split gNB deployment scenario | China Telecom Corporation Ltd. | revised |  | S5-214736 |
| S5-214174 | pCR 28.813 Conclusion for Key Issue #6 | Huawei | approved |  |  |
| S5-214175 | pCR 28.813 Conclusion and enhanced solution for Key Issue #7 | Huawei | revised |  | S5-214632 |
| S5-214176 | Revised WID on management of NPN | Huawei | noted |  |  |
| S5-214177 | Presentation sheet of TS 28.557 for SA Information | Huawei | approved |  |  |
| S5-214178 | pCR 28.557 Rapporteur proposal | Huawei | approved |  |  |
| S5-214179 | pCR 28.557 Add requirements for management of SNPN | Huawei | revised |  | S5-214577 |
| S5-214180 | pCR 28.557 Add requirements for management of PNI-NPN | Huawei | revised |  | S5-214578 |
| S5-214181 | pCR 28.557 Solution for management of PNI-NPN | Huawei | noted |  |  |
| S5-214182 | Rel-17 CR 28.541 Add NPN Identity on NR cell to support access control for NPN UEs | Huawei | revised |  | S5-214579 |
| S5-214183 | pCR 28.557 Add NPN related SLA requirements | Huawei | noted |  |  |
| S5-214184 | Rel-16 CR 28.622 Add missing notification type “notifyClearedAlarm” to the attribute “notificationTypes” | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-214185 | pCR 28.813 The measurement of the useful output for the 5GC NF | China Telecom Corporation Ltd. | merged |  | S5-214631 |
| S5-214186 | Reply LS on (de)activation and failure handling of NR QMC | ZTE Corporation | approved |  |  |
| S5-214187 | Rel-17 CR TS 32.130 Add NG-RAN sharing individual management use case and requirements | ZTE Corporation | revised | S5-213402 | S5-214613 |
| S5-214188 | pCR 28.825 Add deployment examples of NG-RAN sharing with&without multi cellId | ZTE Corporation | noted |  |  |
| S5-214189 | pCR 28.825 Add deployment examples of NG-RAN sharing with multi SSB | ZTE Corporation | noted |  |  |
| S5-214190 | pCR 28.825 Add potential solution of NRM enhancement to support NG-RAN sharing | ZTE Corporation | noted |  |  |
| S5-214191 | Rel-17 CR TS 28.541 enhance the NRM to support multiple SSBs in a carrier | ZTE Corporation | not pursued |  |  |
| S5-214192 | Rel-16 CR 28.623 Replace local data type definition for notificationFilter by common filter definition | Nokia; Nokia Shanghai Bell | revised |  | S5-214571 |
| S5-214193 | Rel-16 CR TS 28.532 Alignment the description for streaming data reporting MnS producer | Huawei | revised |  | S5-214554 |
| S5-214194 | Discussion on the observations of the issues caused by the updated NetworkSliceSubnet inheritence relationship | Huawei | revised |  | S5-214559 |
| S5-214195 | Rel-16 CR TS 28.541 Fix the issue caused by the updated NetworkSliceSubnet inheritence relationship | Huawei | revised |  | S5-214560 |
| S5-214196 | Rel-17 CR TS 28.541 Fix the issue caused by the updated NetworkSliceSubnet inheritence relationship | Huawei | revised |  | S5-214561 |
| S5-214197 | Rel-16 CR TS 28.622 Fix the issue caused by the updated NetworkSliceSubnet inheritence relationship | Huawei | revised |  | S5-214562 |
| S5-214198 | Rel-17 CR TS 28.541 Update logicInterfaceId of EP\_transport | Huawei | revised |  | S5-214589 |
| S5-214199 | Discussion on the issue for network slice subnet feasibility check | Huawei,China Unicom,Deutsche Telekom | noted |  |  |
| S5-214200 | Rel-17 CR TS 28.541 Add feasibility check NRM fragment | Huawei,China Unicom,Deutsche Telekom | not pursued |  |  |
| S5-214201 | Rel-17 CR TS 28.541 Add openAPI definition for feasibility check NRM fragment | Huawei,China Unicom,Deutsche Telekom | not pursued |  |  |
| S5-214202 | Rel-17 CR TS 28.531 Update procedure of reservation and checking feasibility of network slice subnet | Huawei,China Unicom,Deutsche Telekom | not pursued |  |  |
| S5-214203 | pCR TR 28.818 Anaysis on the solutsion set for management service | Huawei | revised |  | S5-214640 |
| S5-214204 | pCR TR 28.825 Add scenario, requirements and potential solution for 5G MOCN network sharing | Huawei,China Unicom, CATT,China Mobile,Orange, China Telecom,Ericsson | noted |  |  |
| S5-214205 | pCR TR 28.825 Add requirements and potential solution for F1 interface configuration for 5G MOCN network sharing with multiple Cell Id broadcast scenario | Huawei,China Unicom, CATT,China Mobile,Orange, China Telecom,Ericsson | noted |  |  |
| S5-214206 | pCR TR 28.825 add NR Cell relation configuration requirements and corresponding solution for 5G MOCN network sharing with multi-Cell Id broadcast scenario | Huawei,China Unicom, CATT,China Mobile,Orange, China Telecom,Ericsson | approved |  |  |
| S5-214207 | pCR TS 28.100 Update autonomous network level for network optimization | Huawei, China Mobile,AsiaInfo, China Unicom, China Telecom | revised |  | S5-214595 |
| S5-214208 | pCR TS 28.100 Analysis on the implementation example for coverage optimization | Huawei, China Mobile,AsiaInfo, China Unicom, China Telecom | revised |  | S5-214596 |
| S5-214209 | Rel-17 CR TS 28.535 Add use case for radio coverage optimization | Huawei | not pursued |  |  |
| S5-214210 | Rel-17 CR TS 28.536 Add concrete closed loop policy configuration for radio coverage optimization | Huawei | not pursued |  |  |
| S5-214211 | Discussion on operations and intent models for intent driven management | Huawei, China Telecom, AsiaInfo | noted |  |  |
| S5-214212 | pCR TS 28.312 Update intent information model | Huawei, China Telecom, China Mobile,AsiaInfo | noted |  |  |
| S5-214213 | pCR TS 28.312 Add concrete RadioNetworkExpectation | Huawei, China Telecom, China Mobile, China Unicom | noted |  |  |
| S5-214214 | pCR TS 28.312 Add concrete RadioServiceExpectation | Huawei, China Telecom, China Mobile, China Unicom | noted |  |  |
| S5-214215 | pCR TS 28.312 Update description in clause 4.2.1 andclause 4.2.2 | Huawei, China Telecom, China Mobile, AsiaInfo | noted |  |  |
| S5-214216 | Rel-17 CR TS 28.313 Update procedures for plug and connect to management system | Huawei, China Telecom | not pursued |  |  |
| S5-214217 | pCR TS 28.315 Add procedures flows for RAN NE PnC | Huawei, China Telecom | noted |  |  |
| S5-214218 | Rel-17 CR TS 28.541 Add tenant IOC to support multiple tenant environment | Huawei | not pursued |  |  |
| S5-214219 | pCR TR 28.824 Add concrete scenarios for management capability exposure to external customer | Huawei | noted |  |  |
| S5-214220 | pCR TR 28.825 Add requirement and potential solution for NRM enhancement to support network sharing | China Unicom | noted |  |  |
| S5-214221 | Add MDA in the context of SBMA | Nokia Germany | revised |  | S5-214617 |
| S5-214222 | Rel-17 CR 28.310 Update on the solutions for energy efficiency | China Telecom Corporation Ltd. | revised |  | S5-214608 |
| S5-214223 | Rel-17 CR 28.535 Update the network prediction assisted SLS communication service assurance use case | China Telecom Corporation Ltd. | withdrawn |  |  |
| S5-214224 | Rel-17 CR 28.541 Add radio spectrum support in slicing profiles | Huawei, China Mobile | revised |  | S5-214582 |
| S5-214225 | Living document of review of GSMA GST SA5#138e | Huawei, China Mobile | endorsed |  |  |
| S5-214226 | Rel-17 CR 28.541 Add table to introduce SLA relevant KPIs and performance measurements | Huawei, China Mobile | not pursued |  |  |
| S5-214227 | Rel-17 CR 28.541 Add average throughput support for eMBB | Huawei, China Mobile | not pursued |  |  |
| S5-214228 | Rel-17 CR 28.541 Update maxPktSize and determinComm to support UL and DL requirements | Huawei, China Mobile | agreed |  |  |
| S5-214229 | Rel-17 CR 28.541 Remove obsolete coverageArea attribute in TopSliceSubnetProfile | Huawei, China Mobile | agreed |  |  |
| S5-214230 | New SID on enhancement management of non-public networks | Huawei | noted |  |  |
| S5-214231 | Rel-16 CR 28.623 Clarify resource id is required and nullable | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-214232 | Rel-17 CR 28.535 Update the network prediction assisted SLS communication service assurance use case | China Telecom Corporation Ltd.,Huawei | revised |  | S5-214599 |
| S5-214233 | Update the EE KPI for the URLLC network slice | China Telecom Corporation Ltd. | revised |  | S5-214609 |
| S5-214234 | Rel-17 CR 28.535 Update the communication service quality assurance and optimization use case | China Telecom Corporation Ltd.,Huawei | not pursued |  |  |
| S5-214235 | Rel-16 CR for TS 28.541 correction for attribute desrciption of servAttrCom | Huawei, Orange | agreed |  |  |
| S5-214236 | Rel-16 CR 28.623 Correct data type of notificationId (YANG definitions) | Nokia, Nokia Shanghai Bell | revised |  | S5-214569 |
| S5-214237 | MDA Operations Scope | Nokia Germany | noted |  |  |
| S5-214238 | Rel-16 CR 28.623 Clarify resource id is required and nullable (OpenAPI definitions) | Nokia, Nokia Shanghai Bell | revised |  | S5-214572 |
| S5-214239 | Rel-17 CR for TS 28.541 correction for attribute description of servAttrCom | Huawei, Orange | agreed |  |  |
| S5-214240 | Aligning with RAN specifications 36.331 and 25.331 | Ericsson Limited | agreed |  |  |
| S5-214241 | Rel-16 CR 28.541 Correcion of YAML references | Ericsson India Private Limited | agreed |  |  |
| S5-214242 | Discussion paper on the generic principle for EE KPI definition for 5GC | China Telecom Corporation Ltd. | revised |  | S5-214630 |
| S5-214243 | pCR TR 28.813 Key Issue 7-Solution for area based energy saving | Huawei | noted |  |  |
| S5-214244 | Aligning with RAN specifications 36.331 and 25.331 | Ericsson Limited | agreed |  |  |
| S5-214245 | pCR 28.104 MDA role in management loop | Huawei | merged |  | S5-214616 |
| S5-214246 | Adding Signalling Based Activation (SBA) and 5G requirements to 28.404 | Ericsson Limited | revised |  | S5-214732 |
| S5-214247 | pCR 28.104 Add network slice throughput analysis | Huawei | noted |  |  |
| S5-214248 | Adding Signalling Based Activation for UTRAN | Ericsson Limited | revised |  | S5-214741 |
| S5-214249 | Rel-17 CR 28.541 Correcion of YAML references | Ericsson India Private Limited | agreed |  |  |
| S5-214250 | Rel-16 CR 32.291 Quota threshold clarification | China Mobile Com. Corporation | not pursued |  |  |
| S5-214251 | Revise description of NextHopInfo and qosProfileRefList attribute in EP\_transport IOC | Nokia, Nokia Shanghai Bell, KDDI | agreed |  |  |
| S5-214252 | pCR 28.104 Add service experience analysis | Huawei | noted |  |  |
| S5-214253 | Rel-17 CR 32.291 Nchf interface enhancements to support of GERAN and UTRAN | China Mobile Com. Corporation | revised |  | S5-214675 |
| S5-214254 | Rel-17 CR 32.298 Add GERAN-UTRAN user location information | China Mobile Com. Corporation | revised |  | S5-214676 |
| S5-214255 | Rel-17 CR 32.298 CHF CDR enhancements to support of GERAN and UTRAN | China Mobile Com. Corporation | revised |  | S5-214728 |
| S5-214256 | pCR 28.104 Add E2E latency analysis | Huawei | noted |  |  |
| S5-214257 | pCR 28.813 introducing the generic 5GC EE KPI | China Telecom Corporation Ltd. | revised |  | S5-214631 |
| S5-214258 | pCR TS28.104 add MDA assisted Energy Saving use case | Huawei | noted |  |  |
| S5-214259 | New WID on Key Quality Indicators(KQIs)for 5G service experience | Huawei | noted |  |  |
| S5-214260 | Rel-16 CR 28.622 Correction and clarification of reporting in TraceJob (stage2) | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-214261 | Rel-17 Input to DraftCR 28.537 Add requirements for file management | Nokia, Nokia Shanghai Bell | revised |  | S5-214622 |
| S5-214262 | Rel-16 CR 28.623 Correction and clarification of reporting in TraceJob (stage3) | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-214263 | Rel-16 CR 32.422 Introduce missing parameter descriptions related to reporting of Trace/MDT | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-214264 | pCR TS 28.100 Add autonomous network level for service experience optimization | Huawei | noted |  |  |
| S5-214265 | MDA Production and Reporting Overview | Nokia Germany | noted |  |  |
| S5-214266 | Rel-17 CR 32.422 Introduce missing parameter descriptions related to reporting of Trace/MDT | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-214267 | Revise the calculation for average round-trip packet delay between PSA UPF and NG-RAN | China Mobile Com. Corporation | revised |  | S5-214565 |
| S5-214268 | New SID on Deterministic Service Assurance Management | Huawei | noted |  |  |
| S5-214269 | pCR draft TS28.104 add abbreviations and an overview subclause | NEC Europe Ltd, Intel | revised |  | S5-214614 |
| S5-214270 | Add Mean&Maximum CM-Connected subscribers of network slice through AMF | China Mobile Com. Corporation | agreed |  |  |
| S5-214271 | New SID on Intent driven management related to core network | Huawei Tech.(UK) Co.. Ltd | noted |  |  |
| S5-214272 | New SID on interworking with ETSI MEC for Edge computing network management | Huawei Tech.(UK) Co.. Ltd | noted |  |  |
| S5-214273 | New WID on enhancement of autonomous network levels | China Mobile, Huawei, AsiaInfo, China Unicom, China Telecom, ZTE, CATT, Intel | noted |  |  |
| S5-214274 | pCR TS 28.100 Update autonomous network level for fault management | China Mobile, Huawei, AsiaInfo, China Unicom, China Telecom | approved |  |  |
| S5-214275 | pCR TS 28.100 clean-up for some Editor's Notes which are already addressed | China Mobile, Huawei, AsiaInfo, China Unicom, China Telecom | revised |  | S5-214597 |
| S5-214276 | pCR TS 28.100 Update clause 7 Generic requirements for generic autonomous network level | China Mobile, Huawei, AsiaInfo, China Unicom, China Telecom | revised |  | S5-214598 |
| S5-214277 | Presentation of Spec to TSG TS 28.100 Version 1.0.0 | China Mobile | noted |  |  |
| S5-214278 | LS to SA2 & RAN3 on introduction of 3GPP Autonomous Network Levels | China Mobile | noted |  |  |
| S5-214279 | Rel-17 PCR TS 28.104 add coverage analysis use case | Huawei | noted |  |  |
| S5-214280 | Rel-17 PCR TS 28.104 Add alarm incident analysis use case | Huawei | noted |  |  |
| S5-214281 | Rel-17 pCR 28.104 Add KPI anomaly analysis use case | Huawei | noted |  |  |
| S5-214282 | Rel-17 PCR TS 28.104 add mobility management use case | Huawei | noted |  |  |
| S5-214283 | Rel-17 PCR TS 28.104 add MDA analysis request and report Workflow | Huawei | noted |  |  |
| S5-214284 | pCR Add structure for TS 28.104 | Huawei | noted |  |  |
| S5-214285 | Rel-17 pCR TS 28.104 Add MDA analysis report reporting related service component | Huawei | noted |  |  |
| S5-214286 | Rel-17 pCR 28.104 add overview to the concepts and overview subclause | Huawei | merged |  | S5-214614 |
| S5-214287 | Rel-17 pCR 28.104 Add MDA functionality and service framework | Huawei | merged |  | S5-214617 |
| S5-214288 | Discussion on the LSs of QoE measurements from other WGs | Huawei | revised |  | S5-214733 |
| S5-214289 | Add PFCP session established success rate of one network and one network slice | China Mobile Com. Corporation | agreed |  |  |
| S5-214290 | pCR draft TS28.104 add text for the scope | NEC Europe Ltd, Intel | revised |  | S5-214615 |
| S5-214291 | New SID on Incident Management | Huawei | noted |  |  |
| S5-214292 | DP on assurance report for closed control loop | Huawei | noted |  |  |
| S5-214293 | TR 28.925 Add conclusion and recommendation for Issue#4 | Huawei Technologies (Korea) | merged |  | S5-214649 |
| S5-214294 | Rel-17 CR 28.531 updating NSSI deallocation | Samsung R&D Institute UK | revised |  | S5-214541 |
| S5-214295 | Rel-17 Input to draftCR TS 28.536 Add assurance report for closed control loop | Huawei | noted |  |  |
| S5-214296 | pCR draft TS28.104 add text to MDA functionality and service framework | NEC Europe Ltd, Intel | revised |  | S5-214617 |
| S5-214297 | Rel-17 Input to DraftCR 28.622 Add File control NRM fragment | Nokia, Nokia Shanghai Bell | revised |  | S5-214623 |
| S5-214298 | Rel-17 Input to draftCR S5-212397 TS 28.535 Update coordination between closed control loops | Huawei | noted |  |  |
| S5-214299 | TR 28.925 Add key issue on modelling of MnF | Huawei Technologies (Korea) | noted |  |  |
| S5-214300 | pCR draft TS28.104 add MDA role to the MDA in management loop | NEC Europe Ltd, Intel | revised |  | S5-214616 |
| S5-214301 | Collection of useful endorsed document and external communication documents | Huawei Technologies (Korea) | noted | S5-213267 |  |
| S5-214302 | Add MDA Reporting | Nokia Germany | noted |  |  |
| S5-214303 | Update resourceType PRB for UL (Uplink) and DL (Downlink) | Ericsson LM | revised |  | S5-214730 |
| S5-214304 | Rel-16 CR 28.622 Adaptation and cleanup of Trace/MDT related parameters (stage2) | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-214305 | Rel-16 CR 28.623 Adaptation and cleanup of Trace/MDT related parameters (stage3) | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-214306 | Add Exception Reporting Support to PM File Format Definition | Ericsson LM | not pursued | S5-213398 |  |
| S5-214307 | Rel-16 CR 32.422 Correction and cleanup of Trace/MDT related parameters and procedures | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-214308 | Add Exception Reporting Support to PM XML File Schema | Ericsson LM | not pursued | S5-213397 |  |
| S5-214309 | Rel-17 CR 32.422 Correction and cleanup of Trace/MDT related parameters and procedures | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-214310 | Add Exception Reporting Support to PM XML File Schema | Ericsson LM | not pursued | S5-213396 |  |
| S5-214311 | Rel-17 Input to DraftCR 28.622 Add management data collection job to allow consumers without detailed knowledge of the network to request for data | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-214312 | New SID on new network resource usage type for charging in the 5G System (5GS) | Huawei | noted |  |  |
| S5-214313 | Rel-17 pCR 28.815 Addition of solution for edge application access charging | Huawei | revised |  | S5-214685 |
| S5-214314 | Rel-17 pCR 28.822 Add the solution for 5G VN group multicast and broadcast communication | Huawei | revised |  | S5-214698 |
| S5-214315 | Rel-17 pCR 28.822 Add the solution for 5G VN group unicast communication | Huawei | revised |  | S5-214699 |
| S5-214316 | Rel-17 pCR 28.822 Evaluation of 5G VN group management solutions | Huawei | noted |  |  |
| S5-214317 | Rel-17 pCR 28.822 Remove the editor‘s note for traffic forwarding | Huawei | revised |  | S5-214721 |
| S5-214318 | pCR 28.822 Add the use case usage of 5G VN group communication | Huawei | revised |  | S5-214722 |
| S5-214319 | Rel-17 pCR 32.847 Additional background about NSPA Charging | Huawei | noted |  |  |
| S5-214320 | Rel-17 pCR 32.847 Additional solution for NS Tenant Charging in solution 3.1 | Huawei | revised |  | S5-214723 |
| S5-214321 | Rel-17 pCR 32.847 Clarification on the solution 1 | Huawei | revised |  | S5-214713 |
| S5-214322 | Rel-17 pCR 32.847 Introduce solution for NS actual duration | Huawei | revised |  | S5-214724 |
| S5-214323 | Rel-17 CR 32.255 Addition of the PDU Session Pair ID | Huawei | revised |  | S5-214671 |
| S5-214324 | Rel-17 CR 32.255 Correction on RSN | Huawei | merged |  | S5-214671 |
| S5-214325 | Rel-17 CR 32.255 Correction on usage reporting for URLLC charging | Huawei | revised |  | S5-214672 |
| S5-214326 | Rel-17 DraftCR 32.291 Update URLLC charging information | Huawei | merged |  | S5-214771 |
| S5-214327 | Rel-17 DraftCR 32.298 Update URLLC charging information | Huawei | merged |  | S5-214770 |
| S5-214328 | Rel-17 input to DraftCR 32.291 Addition of new information element | Huawei | revised |  | S5-214771 |
| S5-214329 | Rel-17 input to DraftCR 32.298 Addition of new information element | Huawei | revised |  | S5-214770 |
| S5-214330 | Rel-17 CR 32.255 update description for charging message in annex C.2 | Huawei | revised |  | S5-214677 |
| S5-214331 | Rel-17 CR 32.290 update service description regarding GERAN UTRAN access | Huawei | revised |  | S5-214678 |
| S5-214332 | Rel-17 CR 32.291 Add parameters related to GERAN and UTRAN access | Huawei | not pursued |  |  |
| S5-214333 | pCR 28.816 add potential solution for 5G data connectivity domain charging | Huawei | revised |  | S5-214687 |
| S5-214334 | pCR 28.816 add potential solution for 5G data connectivity domain charging in home-routed roaming scenarios | Huawei | revised |  | S5-214688 |
| S5-214335 | pCR 28.816 add potential solution for 5G data connectivity domain charging in EPS interworking | Huawei | revised |  | S5-214689 |
| S5-214336 | pCR 28.816 add potential solution for monitoring event domain charging | Huawei | revised |  | S5-214690 |
| S5-214337 | Rel-17 draftCR 32.291 Support of stateless CHFs | Huawei | not pursued |  |  |
| S5-214338 | Rel-16 CR 32.291 Clarify the Presence Reporting Area information | Huawei | revised |  | S5-214717 |
| S5-214339 | Rel-16 CR 32.291 Correction on the Used Unit contanier in the QFIContainerInformation | Huawei | agreed |  |  |
| S5-214340 | Rel-16 CR 32.291 Clarify the User Location information | Huawei | revised |  | S5-214718 |
| S5-214341 | Rel-16 CR 32.255 Addition of supported fields for the Offline Only Charging | Huawei | agreed |  |  |
| S5-214342 | Rel-17 CR 32.255 Addition of supported fields for the Offline Only Charging | Huawei | agreed |  |  |
| S5-214343 | Rel-16 CR 32.255 Corretion on Charging Data Request Message | Huawei | agreed |  |  |
| S5-214344 | Rel-17 CR 32.255 Corretion on Charging Data Request Message | Huawei | agreed |  |  |
| S5-214345 | Rel-16 CR 32.255 Alignment of the charging data request and response | Huawei | agreed |  |  |
| S5-214346 | Rel-17 CR 32.255 Alignment of the charging data request and response | Huawei | agreed |  |  |
| S5-214347 | LS to RAN3 on the F1 interface for MOCN network sharing for multiple Cell Identity broadcast scenario | HUAWEI Technologies Japan K.K. | revised |  | S5-214652 |
| S5-214348 | Add MDA Reporting Control | Nokia Germany | noted |  |  |
| S5-214349 | pCR 28.538 Initial TS Structure | Samsung Electronics Benelux BV | revised |  | S5-214625 |
| S5-214350 | New SID on Digital twin for network management | China Mobile Com. Corporation, AsiaInfo | noted |  |  |
| S5-214351 | New SID on Federated machine learning for mobile network management | China Mobile Com. Corporation, AsiaInfo | noted |  |  |
| S5-214352 | New SID on management aspects of traffic scheduling in terrestrial and satellite converged network | China Mobile Com. Corporation | noted |  |  |
| S5-214353 | DP-Study on management aspects of traffic scheduling in terrestrial and satellite converged network | China Mobile Com. Corporation | noted |  |  |
| S5-214354 | pCR TS 28.312 Add Judge information for intent management | China Mobile Com. Corporation | noted |  |  |
| S5-214355 | pCR TS 28.312 Add relationInfo for intent management | China Mobile Com. Corporation | noted |  |  |
| S5-214356 | use case - eMnS discovery service | Alibaba Group | revised |  | S5-214645 |
| S5-214357 | Rel-15 CR Deleting measuredEntityId from File Structure | Samsung Electronics Benelux BV | not pursued |  |  |
| S5-214358 | Add structure for TS 28.104 | Nokia Germany | noted |  |  |
| S5-214359 | TS 28.531 Update the SLA management related requirements and procedure | China Mobile Com. Corporation | not pursued |  |  |
| S5-214360 | TS 28.541 Add translated attributes for TN domain | China Mobile Com. Corporation | not pursued |  |  |
| S5-214361 | Rel-16 CR Deleting measuredEntityId from File Structure | Samsung Electronics Benelux BV | not pursued |  |  |
| S5-214362 | Rel-18 Huawei Considerations | Huawei Technologies (Korea) | noted |  |  |
| S5-214363 | Rel-16 CR 28.552 Replace Editor's notes with references | Ericsson France S.A.S | agreed |  |  |
| S5-214364 | Rel-17 CR 28.552 Replace Editor's notes with references | Ericsson France S.A.S | agreed |  |  |
| S5-214365 | Discussion on Requirements, use cases and services for C-PCI | Ericsson France S.A.S | endorsed |  |  |
| S5-214366 | Rel-17 CR 28.313 Requirements, use cases and services for C-PCI | Ericsson France S.A.S | revised | S5-212306 | S5-214602 |
| S5-214367 | Rel-17 input to draft CR 28.313 CHO requirements | Ericsson France S.A.S | revised |  | S5-214605 |
| S5-214368 | Rel-17 input to draft CR 28.313 DAPS HO requirements | Ericsson France S.A.S | revised |  | S5-214606 |
| S5-214369 | pCR TS 28.312 Add procedure of subsequence after the intent MOI created | AsiaInfo | withdrawn |  |  |
| S5-214370 | Update the clause 4 concepts and background | China Mobile Com. Corporation | noted |  |  |
| S5-214371 | pCR TS 28.312 Add procedure of query an intent MOI | AsiaInfo | withdrawn |  |  |
| S5-214372 | Rel-15 CR 28.531 Removing network slice capacity planning | Samsung Electronics Benelux BV | revised |  | S5-214542 |
| S5-214373 | Rel-17 CR 28.531 updating NSSI deactivation | Samsung R&D Institute UK | revised |  | S5-214546 |
| S5-214374 | pCR Add ECS charging information aggregation and technical solution | Huawei Tech.(UK) Co.. Ltd | revised |  | S5-214711 |
| S5-214375 | Rel-16 CR 28.531 Removing network slice capacity planning | Samsung Electronics Benelux BV | revised |  | S5-214543 |
| S5-214376 | pCR 28.104 Add description of fault prediction analysis | China Mobile Com. Corporation | noted |  |  |
| S5-214377 | pCR 28.104 Add description of fault related incident analysis | China Mobile Com. Corporation | noted |  |  |
| S5-214378 | Rel-17 CR 28.531 Removing network slice capacity planning | Samsung Electronics Benelux BV | revised |  | S5-214544 |
| S5-214379 | Rel-15 CR 28.531 Removing Notify Network Slice Subnet Capability Information | Samsung Electronics Benelux BV | revised |  | S5-214547 |
| S5-214380 | Rel-16 CR 28.531 Removing Notify Network Slice Subnet Capability Information | Samsung Electronics Benelux BV | revised |  | S5-214548 |
| S5-214381 | Rel-17 CR 28.531 Removing Notify Network Slice Subnet Capability Information | Samsung Electronics Benelux BV | revised |  | S5-214549 |
| S5-214382 | Rel-17 CR 28.531 updating NSSI allocation | Samsung R&D Institute UK | revised |  | S5-214551 |
| S5-214383 | pCR 28.819 Solution dynamic software update and live testing use case | Samsung Electronics Benelux BV | noted |  |  |
| S5-214384 | Rel-17 Input to DraftCR 28.622 Add implicit subscriptions for notifyFileReady to PerfMetricJob | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-214385 | Rel-17 CR 28.541 Correction of ServiceProfile | Ericsson India Private Limited | agreed |  |  |
| S5-214386 | Rel-16 CR 28.531 updating NSSI deallocation | Samsung R&D Institute UK | revised |  | S5-214540 |
| S5-214387 | Rel-16 CR 28.531 updating NSSI deactivation | Samsung R&D Institute UK | revised |  | S5-214545 |
| S5-214388 | Add YANG Solution Set for 5GDMS | Ericsson LM | revised |  | S5-214755 |
| S5-214389 | Discussion on eCOSLA for creating closed loops | Nokia Germany | noted |  |  |
| S5-214390 | Rel-16 CR 28.531 updating NSSI allocation | Samsung R&D Institute UK | revised |  | S5-214550 |
| S5-214391 | YANG updates to correct YANG merging problems | Ericsson Hungary Ltd | agreed |  |  |
| S5-214392 | Rel-16 CR 32.158 Add more examples on how to use provisioning operations | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-214393 | Rel-17 CR 28.532 Extend object creation method with id selection by the MnS producer (stage 2) | Nokia, Nokia Shabghai Bell | withdrawn |  |  |
| S5-214394 | DP on Rel-18 topic for enhance edge computing management | Samsung Electronics Benelux BV | revised |  | S5-214530 |
| S5-214395 | Remove isINEF attribute from NEFFunction IOC | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-214396 | YANG updates to correct YANG merging problems | Ericsson Hungary Ltd | agreed |  |  |
| S5-214397 | Enhance 5G Core AMF NRM fragment | Nokia Germany | revised |  | S5-214585 |
| S5-214398 | Remove isINEF attribute from NEFFunction IOC | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-214399 | DP on Rel-18 topic of Integration of ORAN into 3GPP 5G management framework | Samsung Electronics Benelux BV | noted |  |  |
| S5-214400 | Discussion of the gaps in NR NRM | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-214401 | Rel-17 CR 28.532 Extend object creation method with id selection by the MnS producer (REST SS, OpenAPI definition) | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-214402 | New Rel-18 WID on network slice provisioning enhancement | Samsung Electronics Benelux BV | revised |  | S5-214738 |
| S5-214403 | pCR 28.817 solution for external consumer accessing MnS | Samsung Electronics Benelux BV | merged |  | S5-214642 |
| S5-214404 | YANG updates to correct YANG merging problems | Ericsson Hungary Ltd | agreed |  |  |
| S5-214405 | Align RAN specification for MDT Event Threshold for SINR | Ericsson LM | revised |  | S5-214583 |
| S5-214406 | Fix inconsistent clauses and attributes used in TS 38.211 and TS 28.541 | Nokia, Nokia Shanghai Bell, CMCC | revised |  | S5-214556 |
| S5-214407 | Align RAN specification for MDT Event Threshold for SINR | Ericsson LM | revised |  | S5-214584 |
| S5-214408 | Revised WID on Intent driven management service for mobile networks | Ericsson Telecomunicazioni SpA | noted |  |  |
| S5-214409 | new WID Enhancement of service-based management architecture | Huawei Technologies (Korea), China Telecom | revised |  | S5-214532 |
| S5-214410 | Rel-17 CR 28.536 Focused ACCL | Samsung Electronics Benelux BV | not pursued |  |  |
| S5-214411 | Moving RIM monitoring related attributes to NRCellDU | Nokia, Nokia Shanghai Bell, CMCC | revised |  | S5-214558 |
| S5-214412 | Rel-17 CR 28.532 Extend object creation method with id selection by the MnS producer (stage 2) | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-214413 | Extend NRM fragment to support EP\_transport for mid-haul | Nokia, Nokia Shanghai Bell | revised |  | S5-214731 |
| S5-214414 | pCR TS 28.312 Intent LCM | Ericsson Telecomunicazioni SpA | noted |  |  |
| S5-214415 | Discussion paper on error responses | Ericsson LM | noted |  |  |
| S5-214416 | Discussion paper on sequence number | Ericsson LM | noted |  |  |
| S5-214417 | Discussion paper on volume limit handling | Ericsson LM | noted |  |  |
| S5-214418 | Rel-16 CR 32.255 Correcting serving network function usage | Ericsson LM | revised |  | S5-214725 |
| S5-214419 | Rel-17 CR 32.255 Correcting serving network function usage | Ericsson LM | revised |  | S5-214726 |
| S5-214420 | Rel-16 CR 32.290 Correcting of trigger type usage | Ericsson LM | agreed |  |  |
| S5-214421 | Rel-17 CR 32.290 Correcting of trigger type usage | Ericsson LM | agreed |  |  |
| S5-214422 | Rel-16 CR 32.291 Correcting trigger type attribute usage | Ericsson LM | not pursued |  |  |
| S5-214423 | Rel-17 CR 32.291 Correcting filter rule as list | Ericsson LM | revised |  | S5-214708 |
| S5-214424 | Rel-17 draftCR 32.291 Addition of IMS charging information | Ericsson LM | revised |  | S5-214729 |
| S5-214425 | Rel-17 pCR 28.815 Adding EAS deployment charging evaluation | Ericsson LM | merged |  | S5-214682 |
| S5-214426 | Rel-17 pCR 28.822 Correcting architecture and flow for solution #1.2 | Ericsson LM | noted |  |  |
| S5-214427 | Rel-17 pCR 32.847 Adding event based solution to key issue 5 | Ericsson LM | noted |  |  |
| S5-214428 | Rel-17 pCR 32.847 Adding session based solution to key issue 5 | Ericsson LM | revised |  | S5-214715 |
| S5-214429 | Rel-17 pCR 32.847 Adding SMF based solution to key issue 6 | Ericsson LM | noted |  |  |
| S5-214430 | Initial skeleton (v0.0.0) of TR 28.826 | Ericsson LM | approved |  |  |
| S5-214431 | Initial skeleton (v0.0.0) of TR 28.827 | Ericsson LM | approved |  |  |
| S5-214432 | Rel-17 pCR 28.827 Addition of introduction and scope | Ericsson LM | revised |  | S5-214703 |
| S5-214433 | Rel-17 pCR 28.827 Study document structure | Ericsson LM | approved |  |  |
| S5-214434 | Rel-17 pCR 28.827 Addition of business roles and concepts | Ericsson LM | approved |  |  |
| S5-214435 | Rel-17 pCR 28.827 Use case for home MNO charging subscriber for 5G data connectivity | Ericsson LM | revised |  | S5-214716 |
| S5-214436 | Rel-17 pCR 28.827 Use case for visited MNO charging home MNO for 5G data connectivity | Ericsson LM | approved |  |  |
| S5-214437 | Rel-17 pCR 28.827 Use case for visited MNO charging home MNO for 5G connection and mobility | Ericsson LM | approved |  |  |
| S5-214438 | pCR TS 28.312 Intent management procedures | Ericsson Telecomunicazioni SpA | noted |  |  |
| S5-214439 | Technical Discussion on Intent Life Cycle Management | Ericsson Telecomunicazioni SpA | noted |  |  |
| S5-214440 | R15 CR 28533-f50 Correcting the Scope | Ericsson Inc. | not pursued |  |  |
| S5-214441 | InputToDraftCR 28.537 Targeted management data collection | Samsung Electronics Benelux BV | noted |  |  |
| S5-214442 | R16 CR 28533-g70 Correcting the Scope | Ericsson Inc. | not pursued |  |  |
| S5-214443 | pCR 28.816 add potential solution for control plane data transfer domain | Huawei Tech.(UK) Co.. Ltd | approved |  |  |
| S5-214444 | Rel-17 CR 28.622 ManagementDataCollectionJob.docx | Samsung Electronics Benelux BV | not pursued |  |  |
| S5-214445 | pCR TS 28.312 Add subsequence procedure after the intent MOI created | AsiaInfo,Huawei | noted |  |  |
| S5-214446 | R17 CR 32160-h20 Add motivation to requirements | Ericsson Inc. | agreed |  |  |
| S5-214447 | Rel-17 CR 28.536 Focused ACCL - Stage 3 | Samsung Electronics Benelux BV | not pursued |  |  |
| S5-214448 | pCR TS 28.312 Add procedure of query an intent MOI. | AsiaInfo,Huawei | noted |  |  |
| S5-214449 | Rel-17 CR 28.622 ManagementDataCollectionJob Stage-3 | Samsung Electronics Benelux BV | withdrawn |  |  |
| S5-214450 | pCR 28.816 add evaluation to NIDD based charging | Huawei Tech.(UK) Co.. Ltd | revised |  | S5-214712 |
| S5-214451 | R17 pCR 28925-010 First conclusions for 28.533 | Ericsson Inc. | approved |  |  |
| S5-214452 | R17 pCR 28925-010 First conclusion for NSA | Ericsson Inc. | revised |  | S5-214649 |
| S5-214453 | R17 DP Way forward for ANL WI | Ericsson Inc. | revised |  | S5-214754 |
| S5-214454 | pCR 28.312 ServiceDeploymentExpectation Datatype definition | Samsung Electronics Benelux BV | noted |  |  |
| S5-214455 | Rel-17 CR 28.541 Edge NRM | Samsung Electronics Benelux BV | not pursued |  |  |
| S5-214456 | Moving RIM monitoring related attributes to NRCellDU | Nokia, Nokia Shanghai Bell, CMCC | agreed |  |  |
| S5-214457 | pCR 28.538 EAS Lifecycle Management Procedure | Samsung Electronics Benelux BV | noted |  |  |
| S5-214458 | Enhance 5G Core managed NF Profile NRM fragmen | Nokia Germany | revised |  | S5-214586 |
| S5-214459 | pCR 28.538 EAS Lifecycle Management usecase and requirements | Samsung Electronics Benelux BV | merged |  | S5-214628 |
| S5-214460 | Rel-17 CR 28.541 Edge NRM Stage-3 | Samsung Electronics Benelux BV | not pursued |  |  |
| S5-214461 | pCR 28.538 Edge NRM | Samsung Electronics Benelux BV | revised |  | S5-214626 |
| S5-214462 | 28.817 possible solution to support access control on management service | Nokia, Nokia Shanghai Bell | revised |  | S5-214642 |
| S5-214463 | 28.817 consolidate potential requirements of various use cases | Nokia, Nokia Shanghai Bell | revised |  | S5-214643 |
| S5-214464 | 28.817 conclusions and recommendations | Nokia, Nokia Shanghai Bell | revised |  | S5-214644 |
| S5-214465 | Presentation sheet for approval of TR 28.817 | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-214466 | new WI proposal for access control on management service | Nokia, Nokia Shanghai Bell | revised |  | S5-214533 |
| S5-214467 | LS to SA3 for progress of security related work in SA5 | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-214468 | 28.811 use case - management data isolation | Nokia, Nokia Shanghai Bell | revised |  | S5-214638 |
| S5-214469 | 28.811 possible solution for network slice protection on N6 interface | Nokia, Nokia Shanghai Bell | revised |  | S5-214639 |
| S5-214470 | Delete AMFInfo datatype in NRM fragment | Nokia Germany | agreed |  |  |
| S5-214471 | pCR 28.538 Terms Scope Reference Abbreviations | Samsung Electronics Benelux BV | revised |  | S5-214629 |
| S5-214472 | Fix inconsistent clauses and attributes used in TS 38.211 and TS 28.541 | Nokia, Nokia Shanghai Bell, CMCC | revised |  | S5-214555 |
| S5-214473 | Correction of YANG Solution set | Ericsson Hungary Ltd | revised |  | S5-214570 |
| S5-214474 | Rel-17 CR TS 28.536 Add openAPI definition for the concrete closed loop policy configuration for radio coverage optimization | HUAWEI Technologies Japan K.K. | withdrawn |  |  |
| S5-214475 | Solution Analysis and Recommendations for RAN Sharing Scenario | Ericsson LM | noted |  |  |
| S5-214476 | Input to Draft CR 28.622 Define solution for data discovery | Ericsson Telecomunicazioni SpA | noted |  |  |
| S5-214477 | Rel-17 CR TS 28.535 Add use case of advance testing and monitoring assisted SLS assurance | AsiaInfo | not pursued |  |  |
| S5-214478 | pCR 28.538 add use case and requirements for EAS LCM | Intel Corporation (UK) Ltd | revised |  | S5-214628 |
| S5-214479 | Correction of YANG Solution set | Ericsson Hungary Ltd | revised |  | S5-214557 |
| S5-214480 | pCR 28.538 add procedures for EAS LCM | Intel Corporation (UK) Ltd | noted |  |  |
| S5-214481 | Correction of YANG Solution set | Ericsson Hungary Ltd | withdrawn |  |  |
| S5-214482 | Rel-17 CR TS 28.541 add missing openAPI definition update for S5-213508 | HUAWEI Technologies Japan K.K. | agreed |  |  |
| S5-214483 | Functionality of YANG-Push | Ericsson Hungary Ltd | noted |  |  |
| S5-214484 | SA5 working procedures stage2 stage3 alignment | SA5 Vice Chair, SA5 Chair | revised | S5-213690 | S5-214534 |
| S5-214485 | Add PM on Handover failures per beam related to MRO for intra-system mobility | Nokia Germany | not pursued |  |  |
| S5-214486 | New Rel-18 SID AI/ML management | Intel, NEC, Orange, Verizon, China Telecom, China Unicom, Samsung, CATT, ZTE, AT&T, Deutsche Telekom | revised |  | S5-214739 |
| S5-214487 | Discussion paper on service management scenarios | Ericsson GmbH, Eurolab, Deutsche Telekom | noted |  |  |
| S5-214488 | Discussion paper on support for modification of service characteristics | Ericsson GmbH, Eurolab, Deutsche Telekom | noted |  |  |
| S5-214489 | WID Update Enhancement on Management Aspects of 5G Service-Level Agreement | Ericsson GmbH, Eurolab, Deutsche Telekom | agreed |  |  |
| S5-214490 | Rel-17 CR 28.531 Introduce support for reallocation to modify service characteristics | Ericsson GmbH, Eurolab, Deutsche Telekom | not pursued |  |  |
| S5-214491 | pCR TR 28.824 Correction of figures in exposure scenarios | Ericsson GmbH, Eurolab, Deutsche Telekom | noted |  |  |
| S5-214492 | pCR TR 28.824 Service management provided by multiple companies at product change | Ericsson GmbH, Eurolab, Deutsche Telekom | noted |  |  |
| S5-214493 | pCR TR 28.824 Service management provided by multiple companies at product order | Ericsson GmbH, Eurolab, Deutsche Telekom | noted |  |  |
| S5-214494 | Rel-17 CR 28.536 Correction of yaml definition references for state management | Ericsson GmbH, Eurolab | not pursued |  |  |
| S5-214495 | Rel-16 CR 28.535 Update reference to ETSI ZSM group specifications | Ericsson GmbH, Eurolab, Deutsche Telekom | not pursued |  |  |
| S5-214496 | Rel-17 CR 28.535 Update reference to ETSI ZSM group specifications | Ericsson GmbH, Eurolab, Deutsche Telekom | not pursued |  |  |
| S5-214497 | Discussion paper on documentation of UML code | Ericsson GmbH, Eurolab | revised |  | S5-214536 |
| S5-214498 | pCR TR 28.819 Add test classifications | Lenovo, Motorola Mobility, CMCC | approved |  |  |
| S5-214499 | pCR 28.819 add use case on tests' CRUD | Lenovo, Motorola Mobility, CMCC | revised |  | S5-214647 |
| S5-214500 | pCR 28.819 add use case to provide vendor feedback | Lenovo, Motorola Mobility, CMCC | approved |  |  |
| S5-214501 | pCR 28.819 Split operational testing scenario | Lenovo, Motorola Mobility, CMCC | revised |  | S5-214648 |
| S5-214502 | pcr 28.819 correct title | Lenovo Information Technology | approved |  |  |
| S5-214503 | Discussion paper on acquiring virtual compute resource information | China Telecom Corporation Ltd. | endorsed |  |  |
| S5-214504 | pCR 28.824 eMNs discovery by other systems | Lenovo, Motorola Mobility | revised |  | S5-214646 |
| S5-214505 | Rel-17 Draft CR TS 28.536 support for pause point | Lenovo, Motorola Mobility | noted |  |  |
| S5-214506 | Rel-17 pCR 28.847 Introduction of a new Key issue and solution – NSSAA charging | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-214507 | SA5 presentation for SA Rel-18 workshop | SA5 Chair, SA5 Vice chair (Huawei), SA5 Vice chair (Nokia) | revised |  | S5-214526 |
| S5-214508 | Liaison Multi-SDO Autonomous Networks (AN) Formal Liaison: 16th Aug 2021 Meeting Invitation, agenda, Bridge, and Meeting Schedule Ref AN-SDO2021-08 | TMF | noted |  |  |
| S5-214509 | Rel-16 CR 32.158 Clarify query parameters for filtering | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-214510 | LS on New Whitepaper: “E2E Network Slicing Architecture" | GSMA | postponed |  |  |
| S5-214511 | Liaison Multi-SDO Autonomous Networks (AN) Formal Liaison: Minutes and Actions 16th Aug 2021 Meeting #9 Ref AN-SDO2021-09 | TMF | noted |  |  |
| S5-214512 | List of Approved DraftCRs | WG Vice Chair (Nokia) | revised |  | S5-214719 |
| S5-214513 | SDO Matrix update | WG Vice Chair (Huawei) | endorsed |  |  |
| S5-214514 | Reply to: Multi-SDO Autonomous Networks (AN) Formal Liaison:  Request for review of Letter of Intent and report on the 21st of June Formal meeting  Ref AN-SDO2021-08 | WG Chair | approved |  |  |
| S5-214515 | Reply to: Resubmitted LS on slicing management aspects in relation to SEAL | Ericsson | noted | - | - |
| S5-214516 | Reply LS on using SA5 Performance Measurements and Trace for centralised PCI management | R2-2108967 | noted | - | - |
| S5-214517 | Reply LS on Report Amount for M4, M5, M6, M7 measurements | R2-2108966 | noted | - | - |
| S5-214518 | Rel-16 CR 28.552 Revise the calculation for average round-trip packet delay between PSA UPF and NG-RAN | OAM1 | agreed | - | - |
| S5-214519 | Reply to: LS on QoE report handling at QoE pause | Huawei | approved | - | - |
| S5-214520 | Reply to: LS on QoE configuration and reporting related issues | Huawei | approved | - | - |
| S5-214521 | Rel-16 CR 28.532 Add missing reference for TS 32.404 and RFC 6901 | Nokia | agreed | - | - |
| S5-214522 | Reply to TM Forum on Intent Management | Ericsson | noted | - | - |
| S5-214523 | Reply to: LS on Report Amount for M4, M5, M6, M7 measurements | Nokia | approved | - | - |
| S5-214524 | Input to DraftCR CR 28.622 ManagementDataCollectionJob | Samsung | noted | - | - |
| S5-214525 | Rel-17 CR 28.537 Add requirements for data management | Nokia, Nokia Shanghai Bell | agreed | - | - |
| S5-214526 | SA5 presentation for SA Rel-18 workshop | SA5 Chair, SA5 Vice chair (Huawei), SA5 Vice chair (Nokia) | endorsed | S5-214507 | - |
| S5-214527 | Motivations for a potential Rel-18 work item on Energy Efficiency of 5G | Orange | endorsed | S5-214051 | - |
| S5-214530 | DP on Rel-18 topic for enhance edge computing management | Samsung Electronics Benelux BV | endorsed | S5-214394 | - |
| S5-214532 | new WID Improved support for NSA in the service-based management architecture | Huawei Technologies (Korea), China Telecom | agreed | S5-214409 | - |
| S5-214533 | new WI proposal for access control on management service | Nokia, Nokia Shanghai Bell | agreed | S5-214466 | - |
| S5-214534 | SA5 working procedures stage2 stage3 alignment | SA5 Vice Chair, SA5 Chair | endorsed | S5-214484 | - |
| S5-214535 | LS reply to LS reply to 3GPP SA5 on Network Slice EE KPIs | Orange | approved | S5-214049 | - |
| S5-214536 | Discussion paper on documentation of UML code | Ericsson GmbH, Eurolab | noted | S5-214497 | - |
| S5-214537 | Rel-15 CR 28.531 correction\_of\_network\_slice\_subnet\_configuration | Huawei | agreed | S5-214107 | - |
| S5-214538 | Rel-16 CR 28.531 correction\_of\_network\_slice\_subnet\_configuration | Huawei | agreed | S5-214108 | - |
| S5-214539 | Rel-17 CR 28.531 correction\_of\_network\_slice\_subnet\_configuration | Huawei | agreed | S5-214109 | - |
| S5-214540 | Rel-16 CR 28.531 updating NSSI deallocation | Samsung R&D Institute UK | agreed | S5-214386 | - |
| S5-214541 | Rel-17 CR 28.531 updating NSSI deallocation | Samsung R&D Institute UK | agreed | S5-214294 | - |
| S5-214542 | Rel-15 CR 28.531 Removing network slice capacity planning | Samsung Electronics Benelux BV | agreed | S5-214372 | - |
| S5-214543 | Rel-16 CR 28.531 Removing network slice capacity planning | Samsung Electronics Benelux BV | agreed | S5-214375 | - |
| S5-214544 | Rel-17 CR 28.531 Removing network slice capacity planning | Samsung Electronics Benelux BV | agreed | S5-214378 | - |
| S5-214545 | Rel-16 CR 28.531 updating NSSI deactivation | Samsung R&D Institute UK | agreed | S5-214387 | - |
| S5-214546 | Rel-17 CR 28.531 updating NSSI deactivation | Samsung R&D Institute UK | agreed | S5-214373 | - |
| S5-214547 | Rel-15 CR 28.531 Removing Notify Network Slice Subnet Capability Information | Samsung Electronics Benelux BV | agreed | S5-214379 | - |
| S5-214548 | Rel-16 CR 28.531 Removing Notify Network Slice Subnet Capability Information | Samsung Electronics Benelux BV | agreed | S5-214380 | - |
| S5-214549 | Rel-17 CR 28.531 Removing Notify Network Slice Subnet Capability Information | Samsung Electronics Benelux BV | agreed | S5-214381 | - |
| S5-214550 | Rel-16 CR 28.531 updating NSSI allocation | Samsung R&D Institute UK | agreed | S5-214390 | - |
| S5-214551 | Rel-17 CR 28.531 updating NSSI allocation | Samsung R&D Institute UK | agreed | S5-214382 | - |
| S5-214552 | Rel-16 CR 28.532 Remove last occurrences of “-Type” in data type names | Nokia, Nokia Shanghai Bell | agreed | S5-214131 | - |
| S5-214553 | Rel-16 CR 28.532 Correct definition of the “timeTick” parameter in the File MnS | Nokia, Nokia Shanghai Bell | agreed | S5-214132 | - |
| S5-214554 | Rel-16 CR TS 28.532 Alignment the description for streaming data reporting MnS producer | Huawei | agreed | S5-214193 | - |
| S5-214555 | Fix inconsistent clauses and attributes used in TS 38.211 and TS 28.541 | Nokia, Nokia Shanghai Bell, CMCC | agreed | S5-214472 | - |
| S5-214556 | Fix inconsistent clauses and attributes used in TS 38.211 and TS 28.541 | Nokia, Nokia Shanghai Bell, CMCC | agreed | S5-214406 | - |
| S5-214557 | Correction of YANG Solution set | Ericsson Hungary Ltd | agreed | S5-214479 | - |
| S5-214558 | Moving RIM monitoring related attributes to NRCellDU | Nokia, Nokia Shanghai Bell, CMCC | agreed | S5-214411 | - |
| S5-214559 | Discussion on the observations of the issues caused by the updated NetworkSliceSubnet inheritence relationship | Huawei | endorsed | S5-214194 | - |
| S5-214560 | Rel-16 CR TS 28.541 Fix the issue caused by the updated NetworkSliceSubnet inheritence relationship | Huawei | agreed | S5-214195 | - |
| S5-214561 | Rel-17 CR TS 28.541 Fix the issue caused by the updated NetworkSliceSubnet inheritence relationship | Huawei | agreed | S5-214196 | - |
| S5-214562 | Rel-16 CR TS 28.622 Fix the issue caused by the updated NetworkSliceSubnet inheritence relationship | Huawei | agreed | S5-214197 | - |
| S5-214563 | CR Rel-15 28.550 Correction of OpenAPI | Intel Belgium SA/NV | agreed | S5-214159 | - |
| S5-214564 | CR Rel-16 28.550 Correction of OpenAPI | Intel Belgium SA/NV | agreed | S5-214160 | - |
| S5-214565 | Revise the calculation for average round-trip packet delay between PSA UPF and NG-RAN | China Mobile Com. Corporation | agreed | S5-214267 | - |
| S5-214566 | Rel-15 CR 28.622 Correction for vnfParametersList | Huawei | agreed | S5-214105 | - |
| S5-214567 | Rel-16 CR 28.622 Correction for vnfParametersList | Huawei | agreed | S5-214106 | - |
| S5-214568 | Rel-16 CR 28.622 Add missing MnsAgent to class and inheritance diagrams | Nokia, Nokia Shanghai Bell | agreed | S5-214134 | - |
| S5-214569 | Rel-16 CR 28.623 Correct data type of notificationId (YANG definitions) | Nokia, Nokia Shanghai Bell | agreed | S5-214236 | - |
| S5-214570 | Correction of YANG Solution set | Ericsson Hungary Ltd | agreed | S5-214473 | - |
| S5-214571 | Rel-16 CR 28.623 Replace local data type definition for notificationFilter by common filter definition | Nokia; Nokia Shanghai Bell | agreed | S5-214192 | - |
| S5-214572 | Rel-16 CR 28.623 Clarify resource id is required and nullable (OpenAPI definitions) | Nokia, Nokia Shanghai Bell | agreed | S5-214238 | - |
| S5-214573 | Rel-16 CR 32.158 Correct definitions of resource update | Nokia, Nokia Shanghai Bell | agreed | S5-214130 | - |
| S5-214574 | Align different (abbreviated) names for support qualifier to “S” | Nokia, Nokia Shanghai Bell | agreed | S5-214095 | - |
| S5-214575 | pCR 28.557 Add requirements of NPN management for 5GC | Huawei | approved | S5-214117 | - |
| S5-214576 | pCR 28.557 Add description of creating SNPN related to NID | Huawei | approved | S5-214118 | - |
| S5-214577 | pCR 28.557 Add requirements for management of SNPN | Huawei | approved | S5-214179 | - |
| S5-214578 | pCR 28.557 Add requirements for management of PNI-NPN | Huawei | approved | S5-214180 | - |
| S5-214579 | Rel-17 CR 28.541 Add NPN Identity on NR cell to support access control for NPN UEs | Huawei | agreed | S5-214182 | - |
| S5-214580 | Use of TopSliceSubnetProfile | Ericsson Telecomunicazioni SpA | agreed | S5-214066 | - |
| S5-214582 | Rel-17 CR 28.541 Add radio spectrum support in slicing profiles | Huawei, China Mobile | agreed | S5-214224 | - |
| S5-214583 | Align RAN specification for MDT Event Threshold for SINR | Ericsson LM | agreed | S5-214405 | - |
| S5-214584 | Align RAN specification for MDT Event Threshold for SINR | Ericsson LM | agreed | S5-214407 | - |
| S5-214585 | Enhance 5G Core AMF NRM fragment | Nokia Germany | agreed | S5-214397 | - |
| S5-214586 | Enhance 5G Core managed NF Profile NRM fragmen | Nokia Germany | agreed | S5-214458 | - |
| S5-214587 | Rel-17 CR 28.541 Add NRM IOC of N5 N70 and N71 | Huawei | agreed | S5-214110 | - |
| S5-214588 | Rel-17 CR 28.541adding\_NRM\_for\_N33 | Huawei | agreed | S5-214111 | - |
| S5-214589 | Rel-17 CR TS 28.541 Update logicInterfaceId of EP\_transport | Huawei | agreed | S5-214198 | - |
| S5-214590 | Why to use YANG-Push | Ericsson | noted | - | - |
| S5-214591 | Presentation of TR 28.814 for approval | Intel | approved | - | - |
| S5-214592 | updated draftCR for FIMA/28.537 | Nokia | approved | - | - |
| S5-214593 | Rel-17 CR 28.537 Add requirements for file management | Nokia | agreed | - | - |
| S5-214594 | Remove unnecessary stage 2 details for discovery of management services | Huawei | agreed | - | - |
| S5-214595 | pCR TS 28.100 Update autonomous network level for network optimization | Huawei, China Mobile,AsiaInfo, China Unicom, China Telecom | approved | S5-214207 | - |
| S5-214596 | pCR TS 28.100 Analysis on the implementation example for coverage optimization | Huawei, China Mobile,AsiaInfo, China Unicom, China Telecom | approved | S5-214208 | - |
| S5-214597 | pCR TS 28.100 clean-up for some Editor's Notes which are already addressed | China Mobile, Huawei, AsiaInfo, China Unicom, China Telecom | approved | S5-214275 | - |
| S5-214598 | pCR TS 28.100 Update clause 7 Generic requirements for generic autonomous network level | China Mobile, Huawei, AsiaInfo, China Unicom, China Telecom | approved | S5-214276 | - |
| S5-214599 | Rel-17 CR 28.535 Update the network prediction assisted SLS communication service assurance use case | China Telecom Corporation Ltd.,Huawei | agreed | S5-214232 | - |
| S5-214600 | Rel-17 CR 28.313 Add RRM related measurements info | Intel Corporation (UK) Ltd | agreed | S5-214136 | - |
| S5-214601 | Rel-17 CR 28.552 Add RRM related measurements | Intel Corporation (UK) Ltd | agreed | S5-214139 | - |
| S5-214602 | Rel-17 CR 28.313 Requirements, use cases and services for C-PCI | Ericsson France S.A.S | agreed | S5-214366 | - |
| S5-214603 | Rel-17 CR 28.313 Add CCO use cases, requirements, information, and procedure | Intel Corporation (UK) Ltd | agreed | S5-214137 | - |
| S5-214604 | Rel-17 CR 28.313 Editorial changes | Intel Corporation (UK) Ltd | agreed | S5-214138 | - |
| S5-214605 | Rel-17 input to draft CR 28.313 CHO requirements | Ericsson France S.A.S | approved | S5-214367 | - |
| S5-214606 | Rel-17 input to draft CR 28.313 DAPS HO requirements | Ericsson France S.A.S | approved | S5-214368 | - |
| S5-214607 | LS to ETSI NFV on MANO performance measurements accuracy to estimate VNF energy consumption | Orange | approved | S5-214060 | - |
| S5-214608 | Rel-17 CR 28.310 Update on the solutions for energy efficiency | China Telecom Corporation Ltd. | agreed | S5-214222 | - |
| S5-214609 | Update the EE KPI for the URLLC network slice | China Telecom Corporation Ltd. | agreed | S5-214233 | - |
| S5-214610 | Rel-17 CR 28.537 Add support for discovery of management services | Huawei | agreed | S5-214113 | - |
| S5-214611 | Rel-17 Input to Draft CR 28.622 Add IOC for discovery of management services | Huawei | approved | S5-214114 | - |
| S5-214612 | Rel-17 Input to Draft CR 28.623 Add IOC for discovery of management services | Huawei | approved | S5-214115 | - |
| S5-214613 | Rel-17 CR TS 32.130 Add NG-RAN sharing individual management use case and requirements | ZTE Corporation | agreed | S5-214187 | - |
| S5-214614 | pCR draft TS28.104 add abbreviations and an overview subclause | NEC Europe Ltd, Intel | approved | S5-214269 | - |
| S5-214615 | pCR draft TS28.104 add text for the scope | NEC Europe Ltd, Intel | approved | S5-214290 | - |
| S5-214616 | pCR draft TS28.104 add MDA role to the MDA in management loop | NEC Europe Ltd, Intel | approved | S5-214300 | - |
| S5-214617 | pCR draft TS28.104 add text to MDA functionality and service framework | NEC Europe Ltd, Intel | approved | S5-214296 | - |
| S5-214618 | OAM&P action list | WG Vice Chair | available | S5-214004 | - |
| S5-214621 | pCR 28.314 PnC Concepts and Requirements - ConceptAndBackground | Oy LM Ericsson AB | approved | S5-214080 | - |
| S5-214622 | Rel-17 Input to DraftCR 28.537 Add requirements for file management | Nokia, Nokia Shanghai Bell | approved | S5-214261 | - |
| S5-214623 | Rel-17 Input to DraftCR 28.622 Add File control NRM fragment | Nokia, Nokia Shanghai Bell | approved | S5-214297 | - |
| S5-214624 | Initial skeleton (v0.1.0) of TS 28.538 | Samsung Electronics Benelux BV | approved | S5-214087 | - |
| S5-214625 | pCR 28.538 Initial TS Structure | Samsung Electronics Benelux BV | approved | S5-214349 | - |
| S5-214626 | pCR 28.538 Edge NRM | Samsung Electronics Benelux BV | approved | S5-214461 | - |
| S5-214627 | Latest draft TS 28.557 | Huawei | approved | - | - |
| S5-214628 | pCR 28.538 add use case and requirements for EAS LCM | Intel Corporation (UK) Ltd | approved | S5-214478 | - |
| S5-214629 | pCR 28.538 Terms Scope Reference Abbreviations | Samsung Electronics Benelux BV | approved | S5-214471 | - |
| S5-214630 | Discussion paper on the generic principle for EE KPI definition for 5GC | China Telecom Corporation Ltd. | endorsed | S5-214242 | - |
| S5-214631 | pCR 28.813 introducing the generic 5GC EE KPI | China Telecom Corporation Ltd. | approved | S5-214257 | - |
| S5-214632 | pCR 28.813 Conclusion and enhanced solution for Key Issue #7 | Huawei | approved | S5-214175 | - |
| S5-214633 | pCR 28.814 Add concept and scenarios for 5GS enhancements for Edge Computing | Nanjing Ericsson Panda Com Ltd | approved | S5-214062 | - |
| S5-214634 | pCR 28.814 Add management aspect for 5GS enhancements for Edge Computing | Nanjing Ericsson Panda Com Ltd | approved | S5-214063 | - |
| S5-214635 | pCR 28.814 Add Use cases and potential requirements for 5GS enhancements for Edge Computing | Nanjing Ericsson Panda Com Ltd | approved | S5-214064 | - |
| S5-214636 | pCR 28.814 Add potential solutions for 5GS enhancements for Edge Computing | Nanjing Ericsson Panda Com Ltd | approved | S5-214065 | - |
| S5-214637 | pCR 28.811 Alignment of requirements | Huawei | approved | S5-214125 | - |
| S5-214638 | 28.811 use case - management data isolation | Nokia, Nokia Shanghai Bell | approved | S5-214468 | - |
| S5-214639 | 28.811 possible solution for network slice protection on N6 interface | Nokia, Nokia Shanghai Bell | approved | S5-214469 | - |
| S5-214640 | pCR TR 28.818 Anaysis on the solutsion set for management service | Huawei | approved | S5-214203 | - |
| S5-214641 | Latest draft TS 28.100 | China Mobile | approved | - | - |
| S5-214642 | 28.817 possible solution to support access control on management service | Nokia, Nokia Shanghai Bell | approved | S5-214462 | - |
| S5-214643 | 28.817 consolidate potential requirements of various use cases | Nokia, Nokia Shanghai Bell | approved | S5-214463 | - |
| S5-214644 | 28.817 conclusions and recommendations | Nokia, Nokia Shanghai Bell | approved | S5-214464 | - |
| S5-214645 | use case - eMnS discovery service | Alibaba Group | approved | S5-214356 | - |
| S5-214646 | pCR 28.824 eMNs discovery by other systems | Lenovo, Motorola Mobility | approved | S5-214504 | - |
| S5-214647 | pCR 28.819 add use case on tests' CRUD | Lenovo, Motorola Mobility, CMCC | approved | S5-214499 | - |
| S5-214648 | pCR 28.819 Split operational testing scenario | Lenovo, Motorola Mobility, CMCC | approved | S5-214501 | - |
| S5-214649 | R17 pCR 28925-010 First conclusion for NSA | Ericsson Inc. | approved | S5-214452 | - |
| S5-214652 | LS to RAN3 on the F1 interface for MOCN network sharing for multiple Cell Identity broadcast scenario | HUAWEI Technologies Japan K.K. | approved | S5-214347 | - |
| S5-214653 | DraftCR for E-HOO - TS 28.313 | Ericsson | approved | - | - |
| S5-214654 | DraftCR for 5GDMS - TS 28.533 | Huawei | approved | - | - |
| S5-214655 | DraftCR for 5GDMS - TS 28.622 | Huawei | approved | - | - |
| S5-214656 | DraftCR for 5GDMS - TS 28.623 | Huawei | approved | - | - |
| S5-214657 | Latest draft TS 28.556 | China Mobile | approved | - | - |
| S5-214658 | Latest draft TS 28.104 | Intel | approved | - | - |
| S5-214659 | Latest draft TS 28.314 | Ericsson | approved | - | - |
| S5-214660 | Latest draft TS 28.538 | Samsung | approved | - | - |
| S5-214661 | Latest draft TR 28.813 | Orange | approved | - | - |
| S5-214662 | Latest draft TR 28.814 | Intel | approved | - | - |
| S5-214663 | Latest draft TR 28.811 | Huawei | approved | - | - |
| S5-214664 | Latest draft TR 28.818 | Ericsson | approved | - | - |
| S5-214665 | LS Reply on the offline charging only indication | S2-2106558 | replied to | - | - |
| S5-214666 | Rel-16 CR 32.290 Quota threshold clarification | China Mobile Com. Corporation | agreed | - | - |
| S5-214667 | LS on UPF reporting for redundant transmission on transport layer | Huawei | approved | - | - |
| S5-214668 | Reply to: LS Reply on the offline charging only indication | Matrixx | approved | - | - |
| S5-214669 | CH agenda and time plan | WG vice Chair (Nokia) | approved | S5-214008 | - |
| S5-214670 | Rel-17 CR 32.291 Addition of IMS charging information | Ericsson | revised | - | S5-214760 |
| S5-214671 | Rel-17 CR 32.255 Addition of the PDU Session Pair ID | Huawei | agreed | S5-214323 | - |
| S5-214672 | Rel-17 CR 32.255 Correction on usage reporting for URLLC charging | Huawei | agreed | S5-214325 | - |
| S5-214673 | Rel-17 CR 32.291 Addition of new URLLC information element | Huawei | agreed | - | - |
| S5-214674 | Rel-17 CR 32.298 Addition of new URLLC information element | Huawei | agreed | - | - |
| S5-214675 | Rel-17 CR 32.291 Nchf interface enhancements to support of GERAN and UTRAN | China Mobile Com. Corporation | agreed | S5-214253 | - |
| S5-214676 | Rel-17 CR 32.298 Add GERAN-UTRAN user location information | China Mobile Com. Corporation | agreed | S5-214254 | - |
| S5-214677 | Rel-17 CR 32.255 update description for charging message in annex C.2 | Huawei | agreed | S5-214330 | - |
| S5-214678 | Rel-17 CR 32.290 update service description regarding GERAN UTRAN access | Huawei | agreed | S5-214331 | - |
| S5-214679 | pCR 28.815 Add solutions on charging for 5GS usage based on monitored QoS | Intel Finland Oy | approved | S5-214150 | - |
| S5-214680 | pCR 28.815 Add solutions on charging for Session with QoS | Intel Finland Oy | approved | S5-214151 | - |
| S5-214681 | pCR 28.815 Add evaluation and conclusion for edge enabling infrastructure resource charging | Intel Finland Oy | approved | S5-214152 | - |
| S5-214682 | pCR 28.815 Add evaluation and conclusion for edge application server deployment charging | Intel Finland Oy | approved | S5-214153 | - |
| S5-214683 | pCR 28.815 Add evaluation and conclusion for edge enabling services usage charging | Intel Finland Oy | approved | S5-214154 | - |
| S5-214684 | pCR 28.815 Add conclusions and recommendations | Intel Finland Oy | approved | S5-214156 | - |
| S5-214685 | Rel-17 pCR 28.815 Addition of solution for edge application access charging | Huawei | approved | S5-214313 | - |
| S5-214686 | Draft TR 28.815 | Intel | approved | - | - |
| S5-214687 | pCR 28.816 add potential solution for 5G data connectivity domain charging | Huawei | approved | S5-214333 | - |
| S5-214688 | pCR 28.816 add potential solution for 5G data connectivity domain charging in home-routed roaming scenarios | Huawei | approved | S5-214334 | - |
| S5-214689 | pCR 28.816 add potential solution for 5G data connectivity domain charging in EPS interworking | Huawei | approved | S5-214335 | - |
| S5-214690 | pCR 28.816 add potential solution for monitoring event domain charging | Huawei | approved | S5-214336 | - |
| S5-214691 | Draft TR 28.816 | Huawei | approved | - | - |
| S5-214692 | Rel-17 pCR 28.822 Add use case for 5G VN group management via provisioning | China Mobile | approved | S5-214093 | - |
| S5-214693 | pCR 32.846 Updating descriptions on 5G ProSe | CATT | approved | S5-214161 | - |
| S5-214694 | pCR 32.846 Add possible solution for ProSe UE to Network relay | CATT | approved | S5-214162 | - |
| S5-214695 | pCR 32.846 Add possible solution for ProSe Direct Communication charging based on QoS flow | CATT | approved | S5-214163 | - |
| S5-214696 | Draft TR 32.846 | CATT | approved | - | - |
| S5-214697 | Rel-17 pCR 28.822 Update UDM based solution for 5G VN group | China Mobile | approved | S5-214096 | - |
| S5-214698 | Rel-17 pCR 28.822 Add the solution for 5G VN group multicast and broadcast communication | Huawei | approved | S5-214314 | - |
| S5-214699 | Rel-17 pCR 28.822 Add the solution for 5G VN group unicast communication | Huawei | approved | S5-214315 | - |
| S5-214700 | Draft TR 28.822 | Huawei | approved | - | - |
| S5-214701 | Rel-17 pCR 28.847 Combination of Key issues | Nokia, Nokia Shanghai Bell, Matrixx | approved | S5-214078 | - |
| S5-214702 | Draft TR 32.847 | Matrixx | approved | - | - |
| S5-214703 | Rel-17 pCR 28.827 Addition of introduction and scope | Ericsson LM | approved | S5-214432 | - |
| S5-214704 | Draft TR 28.827 | Ericsson | approved | - | - |
| S5-214705 | Rel-16 CR 32.240 Correction on Converged charging functions | Nokia, Nokia Shanghai Bell | agreed | S5-214070 | - |
| S5-214706 | Rel-17 CR 32.240 Correction on Converged charging functions | Nokia, Nokia Shanghai Bell | agreed | S5-214071 | - |
| S5-214707 | Rel-17 CR 32.290 Quota threshold clarification | China Mobile | agreed | - | - |
| S5-214708 | Rel-17 CR 32.291 Correcting filter rule as list | Ericsson LM | agreed | S5-214423 | - |
| S5-214709 | Rel-16 CR 32.291 Update OpenAPI version | Huawei | agreed | - | - |
| S5-214710 | Rel-17 CR 32.291 Update OpenAPI version | Huawei | agreed | - | - |
| S5-214711 | pCR Add ECS charging information aggregation and technical solution | Huawei Tech.(UK) Co.. Ltd | approved | S5-214374 | - |
| S5-214712 | pCR 28.816 add evaluation to NIDD based charging | Huawei Tech.(UK) Co.. Ltd | approved | S5-214450 | - |
| S5-214713 | Rel-17 pCR 32.847 Clarification on the solution 1 | Huawei | approved | S5-214321 | - |
| S5-214714 | New WID Charging aspects of edge computing | Intel Finland Oy | agreed | S5-214158 | - |
| S5-214715 | Rel-17 pCR 32.847 Adding session based solution to key issue 5 | Ericsson LM | approved | S5-214428 | - |
| S5-214716 | Rel-17 pCR 28.827 Use case for home MNO charging subscriber for 5G data connectivity | Ericsson LM | approved | S5-214435 | - |
| S5-214717 | Rel-16 CR 32.291 Clarify the Presence Reporting Area information | Huawei | agreed | S5-214338 | - |
| S5-214718 | Rel-16 CR 32.291 Clarify the User Location information | Huawei | agreed | S5-214340 | - |
| S5-214719 | List of Approved DraftCRs | WG Vice Chair (Nokia) | noted | S5-214512 | - |
| S5-214720 | Presentation of TR 28.816 for information | Huawei | approved | - | - |
| S5-214721 | Rel-17 pCR 28.822 Remove the editor‘s note for traffic forwarding | Huawei | approved | S5-214317 | - |
| S5-214722 | pCR 28.822 Add the use case usage of 5G VN group communication | Huawei | approved | S5-214318 | - |
| S5-214723 | Rel-17 pCR 32.847 Additional solution for NS Tenant Charging in solution 3.1 | Huawei | approved | S5-214320 | - |
| S5-214724 | Rel-17 pCR 32.847 Introduce solution for NS actual duration | Huawei | approved | S5-214322 | - |
| S5-214725 | Rel-16 CR 32.255 Correcting serving network function usage | Ericsson LM | agreed | S5-214418 | - |
| S5-214726 | Rel-17 CR 32.255 Correcting serving network function usage | Ericsson LM | agreed | S5-214419 | - |
| S5-214727 | Presentation of TR 28.815 for information | Intel | revised | - | S5-214756 |
| S5-214728 | Rel-17 CR 32.298 CHF CDR enhancements to support of GERAN and UTRAN | China Mobile Com. Corporation | agreed | S5-214255 | - |
| S5-214729 | Rel-17 draftCR 32.291 Addition of IMS charging information | Ericsson LM | approved | S5-214424 | - |
| S5-214730 | Update resourceType PRB for UL (Uplink) and DL (Downlink) | Ericsson LM | agreed | S5-214303 | - |
| S5-214731 | Extend NRM fragment to support EP\_transport for mid-haul | Nokia, Nokia Shanghai Bell | agreed | S5-214413 | - |
| S5-214732 | Adding Signalling Based Activation (SBA) and 5G requirements to 28.404 | Ericsson Limited | agreed | S5-214246 | - |
| S5-214733 | Discussion on the LSs of QoE measurements from other WGs | Huawei | endorsed | S5-214288 | - |
| S5-214734 | CR Rel-17 28.552 Add measurements related to AF session with QoS for NEF | Intel Belgium SA/NV | agreed | S5-214147 | - |
| S5-214735 | CR Rel-17 28.552 Add measurements related to UCMF provisoning for NEF | Intel Belgium SA/NV | agreed | S5-214149 | - |
| S5-214736 | Rel-17 CR 28.552 Add PLMN granularity to PDCP SDU data volume measurement per interface for split gNB deployment scenario | China Telecom Corporation Ltd. | agreed | S5-214173 | - |
| S5-214738 | New Rel-18 WID on network slice provisioning enhancement | Samsung Electronics Benelux BV | noted | S5-214402 | - |
| S5-214739 | New Rel-18 SID AI/ML management | Intel, NEC, Orange, Verizon, China Telecom, China Unicom, Samsung, CATT, ZTE, AT&T, Deutsche Telekom | noted | S5-214486 | - |
| S5-214741 | Adding Signalling Based Activation for UTRAN | Ericsson Limited | approved | S5-214248 | - |
| S5-214750 | Latest draft TR 28.817 | Nokia | approved | - | - |
| S5-214751 | Latest draft TR 28.819 | Lenovo | approved | - | - |
| S5-214752 | Latest draft TR 28.925 | Huawei,Ericsson | approved | - | - |
| S5-214753 | Latest draft TR 28.825 | China Unicom | approved | - | - |
| S5-214754 | R17 DP Way forward for ANL WI | Ericsson Inc. | endorsed | S5-214453 | - |
| S5-214755 | Add YANG Solution Set for 5GDMS | Ericsson LM | approved | S5-214388 | - |
| S5-214756 | Presentation of TR 28.815 for information | Intel | approved | S5-214727 | - |
| S5-214757 | Latest draft TR 28.824 | Alibaba | approved | - | - |
| S5-214758 | DraftCR for FIMA TS 28.622 | Nokia | approved | - | - |
| S5-214760 | Rel-17 CR 32.291 Addition of IMS charging information | Ericsson | agreed | S5-214670 | - |
| S5-214770 | Rel-17 input to DraftCR 32.298 Addition of new information element | Huawei | approved | S5-214329 | - |
| S5-214771 | Rel-17 input to DraftCR 32.291 Addition of new information element | Huawei | approved | S5-214328 | - |

### A2: Tdoc decision timing

|  |  |  |
| --- | --- | --- |
| Document | Date/time UTC | Decision |
| S5-214000 | 01/09/2021 12:49:45 | approved |
| S5-214001 | 01/09/2021 12:49:53 | approved |
| S5-214002 | 01/09/2021 12:50:02 | noted |
| S5-214003 | 14/09/2021 07:44:43 | available |
| S5-214004 | 01/09/2021 12:55:59 | noted |
| S5-214004 | 02/09/2021 08:24:48 | revised |
| S5-214005 | 01/09/2021 12:56:05 | noted |
| S5-214007 | 14/09/2021 07:36:40 | noted |
| S5-214008 | 01/09/2021 12:41:30 | revised |
| S5-214009 | 02/09/2021 10:20:01 | noted |
| S5-214010 | 01/09/2021 12:50:15 | approved |
| S5-214011 | 01/09/2021 12:48:18 | noted |
| S5-214012 | 01/09/2021 12:52:07 | noted |
| S5-214013 | 01/09/2021 12:46:58 | replied to |
| S5-214013 | 03/09/2021 12:59:16 | postponed |
| S5-214014 | 01/09/2021 12:51:49 | noted |
| S5-214015 | 01/09/2021 12:39:03 | noted |
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| S5-214016 | 01/09/2021 12:59:37 | replied to |
| S5-214017 | 01/09/2021 12:56:28 | noted |
| S5-214018 | 02/09/2021 10:20:24 | replied to |
| S5-214019 | 23/08/2021 12:02:06 | replied to |
| S5-214019 | 03/09/2021 12:55:13 | postponed |
| S5-214020 | 01/09/2021 12:56:37 | noted |
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| S5-214022 | 01/09/2021 12:49:23 | postponed |
| S5-214023 | 01/09/2021 12:47:59 | noted |
| S5-214024 | 01/09/2021 12:47:42 | noted |
| S5-214025 | 01/09/2021 12:47:47 | noted |
| S5-214026 | 01/09/2021 12:55:45 | noted |
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| S5-214027 | 02/09/2021 10:24:02 | replied to |
| S5-214028 | 01/09/2021 12:54:19 | replied to |
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| S5-214033 | 01/09/2021 12:39:29 | replied to |
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| S5-214038 | 01/09/2021 13:03:27 | noted |
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| S5-214040 | 01/09/2021 13:03:42 | noted |
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| S5-214065 | 01/09/2021 15:46:38 | revised |
| S5-214066 | 01/09/2021 14:04:14 | revised |
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| S5-214068 | 02/09/2021 14:26:41 | agreed |
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| S5-214092 | 01/09/2021 13:41:54 | agreed |
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| S5-214106 | 01/09/2021 13:56:59 | revised |
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| S5-214176 | 01/09/2021 14:01:50 | noted |
| S5-214177 | 01/09/2021 14:02:26 | approved |
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| S5-214292 | 01/09/2021 14:27:46 | noted |
| S5-214293 | 02/09/2021 09:17:44 | available |
| S5-214294 | 01/09/2021 13:34:25 | revised |
| S5-214295 | 01/09/2021 14:27:52 | noted |
| S5-214296 | 01/09/2021 15:34:14 | revised |
| S5-214297 | 01/09/2021 15:38:07 | revised |
| S5-214298 | 01/09/2021 14:27:37 | noted |
| S5-214299 | 02/09/2021 09:18:28 | noted |
| S5-214300 | 01/09/2021 15:32:21 | revised |
| S5-214301 | 01/09/2021 13:04:04 | noted |
| S5-214302 | 01/09/2021 15:29:26 | noted |
| S5-214303 | 01/09/2021 14:10:45 | revised |
| S5-214304 | 01/09/2021 13:59:34 | agreed |
| S5-214305 | 01/09/2021 13:59:40 | agreed |
| S5-214306 | 01/09/2021 14:14:29 | available |
| S5-214307 | 01/09/2021 14:01:16 | agreed |
| S5-214308 | 01/09/2021 14:14:35 | available |
| S5-214309 | 01/09/2021 14:01:24 | agreed |
| S5-214310 | 01/09/2021 14:14:44 | available |
| S5-214311 | 01/09/2021 14:16:56 | noted |
| S5-214312 | 02/09/2021 14:12:40 | noted |
| S5-214313 | 02/09/2021 13:34:55 | revised |
| S5-214314 | 02/09/2021 13:54:08 | revised |
| S5-214315 | 02/09/2021 13:57:43 | revised |
| S5-214316 | 02/09/2021 13:57:57 | noted |
| S5-214317 | 02/09/2021 13:58:13 | revised |
| S5-214318 | 02/09/2021 13:58:51 | revised |
| S5-214319 | 02/09/2021 14:00:20 | noted |
| S5-214320 | 02/09/2021 14:00:30 | revised |
| S5-214321 | 02/09/2021 14:00:48 | revised |
| S5-214322 | 02/09/2021 14:01:03 | revised |
| S5-214323 | 02/09/2021 13:08:39 | revised |
| S5-214324 | 02/09/2021 13:08:54 | available |
| S5-214325 | 02/09/2021 13:09:16 | revised |
| S5-214326 | 02/09/2021 13:09:46 | revised |
| S5-214326 | 02/09/2021 13:10:55 | available |
| S5-214327 | 02/09/2021 13:12:02 | revised |
| S5-214328 | 31/08/2021 10:00:47 | approved |
| S5-214328 | 31/08/2021 13:03:23 | revised |
| S5-214329 | 31/08/2021 10:04:00 | approved |
| S5-214329 | 31/08/2021 11:43:54 | revised |
| S5-214330 | 02/09/2021 13:19:05 | revised |
| S5-214331 | 02/09/2021 13:19:24 | revised |
| S5-214332 | 02/09/2021 13:19:34 | available |
| S5-214333 | 02/09/2021 13:37:27 | revised |
| S5-214334 | 02/09/2021 13:37:44 | revised |
| S5-214335 | 02/09/2021 13:38:00 | revised |
| S5-214336 | 02/09/2021 13:38:14 | revised |
| S5-214337 | 02/09/2021 14:27:29 | available |
| S5-214338 | 02/09/2021 14:15:56 | revised |
| S5-214339 | 02/09/2021 14:24:23 | agreed |
| S5-214340 | 02/09/2021 14:24:36 | revised |
| S5-214341 | 02/09/2021 14:24:46 | agreed |
| S5-214342 | 02/09/2021 14:25:18 | agreed |
| S5-214343 | 02/09/2021 14:24:46 | agreed |
| S5-214344 | 02/09/2021 14:25:03 | agreed |
| S5-214345 | 02/09/2021 14:25:04 | agreed |
| S5-214346 | 02/09/2021 14:25:11 | agreed |
| S5-214347 | 02/09/2021 09:19:48 | revised |
| S5-214348 | 01/09/2021 15:29:34 | noted |
| S5-214349 | 01/09/2021 15:39:17 | revised |
| S5-214350 | 01/09/2021 13:07:43 | noted |
| S5-214351 | 01/09/2021 13:07:53 | noted |
| S5-214352 | 01/09/2021 13:05:03 | noted |
| S5-214353 | 01/09/2021 13:05:09 | noted |
| S5-214354 | 01/09/2021 14:22:58 | noted |
| S5-214355 | 01/09/2021 14:23:46 | noted |
| S5-214356 | 02/09/2021 09:15:43 | revised |
| S5-214357 | 01/09/2021 13:38:32 | available |
| S5-214358 | 01/09/2021 15:28:33 | noted |
| S5-214359 | 01/09/2021 14:06:18 | available |
| S5-214360 | 01/09/2021 14:06:27 | available |
| S5-214361 | 01/09/2021 13:38:43 | available |
| S5-214362 | 01/09/2021 13:08:03 | noted |
| S5-214363 | 01/09/2021 13:54:37 | agreed |
| S5-214364 | 01/09/2021 13:56:02 | agreed |
| S5-214365 | 01/09/2021 14:28:42 | available |
| S5-214366 | 01/09/2021 14:28:57 | revised |
| S5-214367 | 01/09/2021 15:24:12 | revised |
| S5-214368 | 01/09/2021 15:24:30 | revised |
| S5-214370 | 01/09/2021 14:23:55 | noted |
| S5-214372 | 01/09/2021 13:34:44 | revised |
| S5-214373 | 01/09/2021 13:35:52 | revised |
| S5-214374 | 02/09/2021 13:35:13 | revised |
| S5-214375 | 01/09/2021 13:35:01 | revised |
| S5-214376 | 01/09/2021 15:35:41 | noted |
| S5-214377 | 01/09/2021 15:35:04 | noted |
| S5-214378 | 01/09/2021 13:35:16 | revised |
| S5-214379 | 01/09/2021 13:37:20 | revised |
| S5-214380 | 01/09/2021 13:37:33 | revised |
| S5-214381 | 01/09/2021 13:37:47 | revised |
| S5-214382 | 01/09/2021 13:38:18 | revised |
| S5-214383 | 02/09/2021 09:17:06 | noted |
| S5-214384 | 01/09/2021 14:19:22 | noted |
| S5-214385 | 01/09/2021 13:52:30 | agreed |
| S5-214386 | 01/09/2021 13:34:06 | revised |
| S5-214387 | 01/09/2021 13:35:35 | revised |
| S5-214388 | 01/09/2021 15:26:54 | revised |
| S5-214389 | 01/09/2021 14:26:49 | noted |
| S5-214390 | 01/09/2021 13:38:04 | revised |
| S5-214391 | 01/09/2021 13:58:04 | agreed |
| S5-214392 | 01/09/2021 14:00:10 | available |
| S5-214394 | 01/09/2021 13:07:09 | revised |
| S5-214395 | 01/09/2021 13:42:58 | agreed |
| S5-214396 | 01/09/2021 13:43:09 | agreed |
| S5-214397 | 01/09/2021 14:08:15 | revised |
| S5-214398 | 01/09/2021 13:42:54 | agreed |
| S5-214399 | 01/09/2021 13:08:11 | noted |
| S5-214401 | 01/09/2021 13:38:56 | available |
| S5-214402 | 01/09/2021 11:38:06 | revised |
| S5-214403 | 02/09/2021 09:11:42 | available |
| S5-214404 | 01/09/2021 13:43:15 | agreed |
| S5-214405 | 01/09/2021 14:06:46 | revised |
| S5-214406 | 01/09/2021 13:51:47 | revised |
| S5-214407 | 01/09/2021 14:07:03 | revised |
| S5-214408 | 01/09/2021 14:22:25 | noted |
| S5-214409 | 01/09/2021 13:23:53 | revised |
| S5-214410 | 01/09/2021 14:25:21 | available |
| S5-214411 | 01/09/2021 14:11:13 | revised |
| S5-214412 | 01/09/2021 13:39:06 | available |
| S5-214413 | 01/09/2021 14:11:50 | revised |
| S5-214414 | 01/09/2021 14:22:33 | noted |
| S5-214415 | 02/09/2021 14:25:33 | noted |
| S5-214416 | 02/09/2021 14:25:38 | noted |
| S5-214417 | 02/09/2021 14:25:44 | noted |
| S5-214418 | 02/09/2021 14:25:55 | revised |
| S5-214419 | 02/09/2021 14:26:05 | revised |
| S5-214420 | 02/09/2021 14:26:15 | agreed |
| S5-214421 | 02/09/2021 14:26:21 | agreed |
| S5-214422 | 02/09/2021 14:26:28 | available |
| S5-214423 | 02/09/2021 14:27:47 | revised |
| S5-214424 | 02/09/2021 10:31:35 | revised |
| S5-214425 | 02/09/2021 13:36:15 | available |
| S5-214426 | 02/09/2021 13:59:02 | noted |
| S5-214427 | 02/09/2021 14:01:12 | noted |
| S5-214428 | 02/09/2021 14:01:26 | revised |
| S5-214429 | 02/09/2021 14:01:37 | noted |
| S5-214430 | 02/09/2021 14:12:50 | approved |
| S5-214431 | 02/09/2021 14:12:51 | approved |
| S5-214432 | 02/09/2021 14:13:04 | revised |
| S5-214433 | 02/09/2021 14:13:16 | approved |
| S5-214434 | 02/09/2021 14:13:27 | approved |
| S5-214435 | 02/09/2021 14:13:38 | revised |
| S5-214436 | 02/09/2021 14:13:45 | approved |
| S5-214437 | 02/09/2021 14:13:51 | approved |
| S5-214438 | 01/09/2021 14:22:42 | noted |
| S5-214439 | 01/09/2021 14:22:49 | noted |
| S5-214440 | 01/09/2021 13:40:39 | available |
| S5-214441 | 01/09/2021 14:17:29 | noted |
| S5-214442 | 01/09/2021 13:40:48 | available |
| S5-214443 | 02/09/2021 13:38:33 | approved |
| S5-214444 | 30/08/2021 10:22:30 | available |
| S5-214445 | 01/09/2021 14:23:08 | noted |
| S5-214446 | 01/09/2021 13:04:21 | agreed |
| S5-214447 | 01/09/2021 14:26:08 | reserved |
| S5-214448 | 01/09/2021 14:24:04 | noted |
| S5-214449 | 02/09/2021 15:14:45 | withdrawn |
| S5-214450 | 02/09/2021 13:38:46 | revised |
| S5-214451 | 02/09/2021 09:18:35 | approved |
| S5-214452 | 02/09/2021 09:18:01 | revised |
| S5-214453 | 01/09/2021 14:22:03 | revised |
| S5-214454 | 01/09/2021 14:24:09 | noted |
| S5-214455 | 01/09/2021 15:39:30 | available |
| S5-214456 | 01/09/2021 13:52:37 | agreed |
| S5-214457 | 01/09/2021 15:41:40 | noted |
| S5-214458 | 01/09/2021 14:08:42 | revised |
| S5-214459 | 01/09/2021 15:41:52 | revised |
| S5-214460 | 01/09/2021 15:40:39 | reserved |
| S5-214461 | 01/09/2021 15:40:56 | revised |
| S5-214462 | 02/09/2021 09:12:03 | revised |
| S5-214463 | 02/09/2021 09:12:47 | revised |
| S5-214464 | 02/09/2021 09:13:05 | revised |
| S5-214465 | 02/09/2021 09:13:16 | approved |
| S5-214466 | 01/09/2021 13:24:38 | revised |
| S5-214467 | 02/09/2021 09:13:24 | approved |
| S5-214468 | 01/09/2021 15:48:10 | revised |
| S5-214469 | 01/09/2021 15:48:25 | revised |
| S5-214470 | 01/09/2021 14:08:28 | agreed |
| S5-214471 | 01/09/2021 15:42:51 | revised |
| S5-214472 | 01/09/2021 13:51:30 | revised |
| S5-214473 | 01/09/2021 13:58:19 | revised |
| S5-214474 | 01/09/2021 14:25:01 | withdrawn |
| S5-214475 | 01/09/2021 15:48:34 | noted |
| S5-214476 | 01/09/2021 14:19:32 | noted |
| S5-214477 | 01/09/2021 14:27:02 | available |
| S5-214478 | 01/09/2021 15:42:26 | revised |
| S5-214479 | 01/09/2021 13:52:05 | revised |
| S5-214480 | 01/09/2021 15:42:37 | noted |
| S5-214481 | 30/08/2021 10:27:40 | withdrawn |
| S5-214482 | 01/09/2021 14:12:02 | agreed |
| S5-214483 | 02/09/2021 09:09:36 | noted |
| S5-214484 | 01/09/2021 12:48:39 | revised |
| S5-214485 | 01/09/2021 15:23:55 | available |
| S5-214486 | 01/09/2021 11:38:31 | revised |
| S5-214487 | 02/09/2021 09:14:00 | noted |
| S5-214488 | 01/09/2021 14:04:43 | noted |
| S5-214489 | 01/09/2021 14:04:46 | agreed |
| S5-214490 | 01/09/2021 14:04:54 | available |
| S5-214491 | 02/09/2021 09:14:11 | noted |
| S5-214492 | 02/09/2021 09:14:15 | noted |
| S5-214493 | 02/09/2021 09:14:22 | noted |
| S5-214494 | 01/09/2021 14:27:13 | available |
| S5-214495 | 01/09/2021 13:41:00 | available |
| S5-214496 | 01/09/2021 13:41:05 | available |
| S5-214497 | 01/09/2021 13:04:41 | revised |
| S5-214498 | 02/09/2021 09:16:15 | approved |
| S5-214499 | 02/09/2021 09:16:30 | revised |
| S5-214500 | 02/09/2021 09:17:15 | approved |
| S5-214501 | 02/09/2021 09:16:51 | revised |
| S5-214502 | 02/09/2021 09:17:20 | approved |
| S5-214503 | 01/09/2021 15:45:10 | available |
| S5-214504 | 02/09/2021 09:15:56 | revised |
| S5-214505 | 01/09/2021 14:27:29 | noted |
| S5-214506 | 02/09/2021 14:01:46 | approved |
| S5-214507 | 01/09/2021 12:50:53 | revised |
| S5-214508 | 01/09/2021 12:45:51 | noted |
| S5-214509 | 01/09/2021 14:00:24 | agreed |
| S5-214510 | 01/09/2021 12:52:00 | postponed |
| S5-214511 | 01/09/2021 12:45:58 | noted |
| S5-214512 | 02/09/2021 10:31:15 | revised |
| S5-214513 | 01/09/2021 12:46:08 | available |
| S5-214514 | 01/09/2021 12:46:37 | approved |
| S5-214515 | 01/09/2021 12:51:19 | reserved |
| S5-214515 | 03/09/2021 12:54:16 | noted |
| S5-214516 | 01/09/2021 13:03:05 | noted |
| S5-214517 | 02/09/2021 15:05:12 | noted |
| S5-214518 | 01/09/2021 13:56:12 | agreed |
| S5-214519 | 01/09/2021 12:57:30 | approved |
| S5-214520 | 01/09/2021 13:02:03 | reserved |
| S5-214520 | 06/09/2021 07:32:34 | approved |
| S5-214521 | 01/09/2021 13:40:22 | agreed |
| S5-214522 | 01/09/2021 12:47:26 | reserved |
| S5-214522 | 03/09/2021 13:00:46 | noted |
| S5-214523 | 01/09/2021 13:02:51 | approved |
| S5-214524 | 01/09/2021 14:17:37 | noted |
| S5-214525 | 01/09/2021 14:19:11 | reserved |
| S5-214525 | 03/09/2021 11:25:09 | agreed |
| S5-214526 | 01/09/2021 12:50:58 | reserved |
| S5-214526 | 06/09/2021 08:05:44 | email approval |
| S5-214527 | 01/09/2021 13:05:42 | reserved |
| S5-214530 | 01/09/2021 13:07:15 | reserved |
| S5-214532 | 01/09/2021 13:23:56 | agreed |
| S5-214533 | 01/09/2021 13:24:42 | agreed |
| S5-214534 | 01/09/2021 12:48:46 | reserved |
| S5-214535 | 01/09/2021 12:53:54 | approved |
| S5-214536 | 01/09/2021 13:04:44 | noted |
| S5-214537 | 01/09/2021 13:33:17 | agreed |
| S5-214538 | 01/09/2021 13:33:36 | agreed |
| S5-214539 | 01/09/2021 13:33:51 | agreed |
| S5-214540 | 01/09/2021 13:34:11 | agreed |
| S5-214541 | 01/09/2021 13:34:29 | agreed |
| S5-214542 | 01/09/2021 13:34:49 | agreed |
| S5-214543 | 01/09/2021 13:35:03 | agreed |
| S5-214544 | 01/09/2021 13:35:18 | agreed |
| S5-214545 | 01/09/2021 13:35:38 | agreed |
| S5-214546 | 01/09/2021 13:35:54 | agreed |
| S5-214547 | 01/09/2021 13:37:23 | agreed |
| S5-214548 | 01/09/2021 13:37:35 | agreed |
| S5-214549 | 01/09/2021 13:37:49 | agreed |
| S5-214550 | 01/09/2021 13:38:06 | agreed |
| S5-214551 | 01/09/2021 13:38:20 | agreed |
| S5-214552 | 01/09/2021 13:39:32 | agreed |
| S5-214553 | 01/09/2021 13:39:47 | agreed |
| S5-214554 | 01/09/2021 13:40:02 | agreed |
| S5-214555 | 01/09/2021 13:51:32 | agreed |
| S5-214556 | 01/09/2021 13:51:49 | agreed |
| S5-214557 | 01/09/2021 13:52:07 | agreed |
| S5-214558 | 01/09/2021 14:11:16 | agreed |
| S5-214559 | 01/09/2021 13:52:56 | reserved |
| S5-214560 | 01/09/2021 13:53:15 | agreed |
| S5-214561 | 01/09/2021 13:53:31 | agreed |
| S5-214562 | 01/09/2021 13:53:51 | agreed |
| S5-214563 | 01/09/2021 13:54:07 | agreed |
| S5-214564 | 01/09/2021 13:54:24 | agreed |
| S5-214565 | 01/09/2021 13:56:28 | agreed |
| S5-214566 | 01/09/2021 13:56:48 | agreed |
| S5-214567 | 01/09/2021 13:57:01 | agreed |
| S5-214568 | 01/09/2021 13:57:22 | agreed |
| S5-214569 | 01/09/2021 13:57:54 | agreed |
| S5-214570 | 01/09/2021 13:58:21 | agreed |
| S5-214571 | 01/09/2021 13:58:44 | agreed |
| S5-214572 | 01/09/2021 13:59:00 | agreed |
| S5-214573 | 01/09/2021 13:59:58 | agreed |
| S5-214574 | 01/09/2021 14:00:42 | agreed |
| S5-214575 | 01/09/2021 14:01:42 | approved |
| S5-214576 | 01/09/2021 14:02:09 | approved |
| S5-214577 | 01/09/2021 14:02:48 | approved |
| S5-214578 | 01/09/2021 14:03:08 | approved |
| S5-214579 | 01/09/2021 14:03:34 | agreed |
| S5-214580 | 01/09/2021 14:04:20 | agreed |
| S5-214582 | 01/09/2021 14:05:29 | agreed |
| S5-214583 | 01/09/2021 14:06:47 | agreed |
| S5-214584 | 01/09/2021 14:07:05 | agreed |
| S5-214585 | 01/09/2021 14:08:17 | agreed |
| S5-214586 | 01/09/2021 14:08:45 | agreed |
| S5-214587 | 01/09/2021 14:09:41 | agreed |
| S5-214588 | 01/09/2021 14:09:54 | agreed |
| S5-214589 | 01/09/2021 14:10:31 | agreed |
| S5-214590 | 02/09/2021 09:11:10 | noted |
| S5-214591 | 01/09/2021 15:46:54 | approved |
| S5-214592 | 02/09/2021 14:56:09 | reserved |
| S5-214592 | 03/09/2021 11:25:22 | approved |
| S5-214593 | 02/09/2021 15:08:06 | reserved |
| S5-214593 | 03/09/2021 11:25:27 | agreed |
| S5-214594 | 01/09/2021 15:26:35 | agreed |
| S5-214595 | 01/09/2021 14:20:13 | approved |
| S5-214596 | 01/09/2021 14:20:29 | approved |
| S5-214597 | 01/09/2021 14:21:04 | approved |
| S5-214598 | 01/09/2021 14:21:23 | approved |
| S5-214599 | 01/09/2021 14:26:35 | agreed |
| S5-214600 | 01/09/2021 14:28:10 | agreed |
| S5-214601 | 01/09/2021 14:28:26 | agreed |
| S5-214602 | 01/09/2021 14:28:59 | agreed |
| S5-214603 | 01/09/2021 15:22:54 | agreed |
| S5-214604 | 01/09/2021 15:23:12 | agreed |
| S5-214605 | 01/09/2021 15:24:15 | approved |
| S5-214606 | 01/09/2021 15:24:32 | approved |
| S5-214607 | 01/09/2021 15:24:52 | approved |
| S5-214608 | 01/09/2021 15:25:34 | agreed |
| S5-214609 | 01/09/2021 15:25:51 | agreed |
| S5-214610 | 01/09/2021 15:26:20 | agreed |
| S5-214611 | 01/09/2021 15:27:14 | approved |
| S5-214612 | 01/09/2021 15:27:28 | approved |
| S5-214613 | 01/09/2021 15:28:06 | agreed |
| S5-214614 | 01/09/2021 15:30:21 | approved |
| S5-214615 | 01/09/2021 15:31:08 | approved |
| S5-214616 | 01/09/2021 15:32:23 | approved |
| S5-214617 | 01/09/2021 15:31:23 | approved |
| S5-214621 | 01/09/2021 15:37:18 | approved |
| S5-214622 | 01/09/2021 15:37:53 | approved |
| S5-214623 | 01/09/2021 15:38:09 | approved |
| S5-214624 | 01/09/2021 15:38:58 | approved |
| S5-214625 | 01/09/2021 15:39:19 | approved |
| S5-214626 | 01/09/2021 15:40:59 | approved |
| S5-214627 | 06/09/2021 07:32:47 | approved |
| S5-214628 | 01/09/2021 15:41:54 | approved |
| S5-214629 | 01/09/2021 15:42:53 | approved |
| S5-214630 | 01/09/2021 15:43:15 | reserved |
| S5-214631 | 01/09/2021 15:43:34 | agreed |
| S5-214631 | 01/09/2021 15:43:35 | approved |
| S5-214632 | 01/09/2021 15:44:53 | approved |
| S5-214633 | 01/09/2021 15:45:34 | approved |
| S5-214634 | 01/09/2021 15:46:02 | approved |
| S5-214635 | 01/09/2021 15:46:21 | approved |
| S5-214636 | 01/09/2021 15:46:39 | approved |
| S5-214637 | 01/09/2021 15:47:32 | approved |
| S5-214638 | 01/09/2021 15:48:12 | approved |
| S5-214639 | 01/09/2021 15:48:27 | approved |
| S5-214640 | 02/09/2021 09:09:26 | approved |
| S5-214641 | 03/09/2021 07:10:42 | approved |
| S5-214642 | 02/09/2021 09:12:05 | approved |
| S5-214643 | 02/09/2021 09:12:50 | approved |
| S5-214644 | 02/09/2021 09:13:07 | approved |
| S5-214645 | 02/09/2021 09:15:45 | approved |
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| S5-214648 | 02/09/2021 09:16:56 | approved |
| S5-214649 | 02/09/2021 09:18:02 | approved |
| S5-214652 | 02/09/2021 09:19:51 | approved |
| S5-214653 | 02/09/2021 14:36:39 | reserved |
| S5-214653 | 06/09/2021 08:17:58 | approved |
| S5-214654 | 02/09/2021 14:39:31 | reserved |
| S5-214654 | 03/09/2021 07:10:52 | approved |
| S5-214655 | 02/09/2021 14:39:22 | reserved |
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| S5-214657 | 06/09/2021 07:32:57 | approved |
| S5-214658 | 03/09/2021 14:13:04 | approved |
| S5-214659 | 03/09/2021 14:25:42 | approved |
| S5-214660 | 03/09/2021 09:38:23 | approved |
| S5-214661 | 06/09/2021 07:33:05 | approved |
| S5-214662 | 06/09/2021 07:33:09 | approved |
| S5-214663 | 03/09/2021 07:13:06 | approved |
| S5-214664 | 06/09/2021 08:18:08 | approved |
| S5-214665 | 02/09/2021 10:30:19 | available |
| S5-214665 | 02/09/2021 10:30:38 | replied to |
| S5-214666 | 02/09/2021 14:15:37 | agreed |
| S5-214667 | 02/09/2021 13:17:37 | reserved |
| S5-214667 | 03/09/2021 09:38:32 | approved |
| S5-214668 | 02/09/2021 14:29:36 | reserved |
| S5-214668 | 06/09/2021 07:41:49 | approved |
| S5-214669 | 01/09/2021 12:41:33 | approved |
| S5-214670 | 01/09/2021 09:35:53 | revised |
| S5-214671 | 02/09/2021 13:08:42 | agreed |
| S5-214672 | 02/09/2021 13:09:18 | agreed |
| S5-214673 | 02/09/2021 13:15:56 | agreed |
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| S5-214677 | 02/09/2021 13:19:08 | agreed |
| S5-214678 | 02/09/2021 13:19:27 | agreed |
| S5-214679 | 02/09/2021 13:20:01 | approved |
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| S5-214681 | 02/09/2021 13:20:34 | approved |
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| S5-214687 | 02/09/2021 13:37:28 | approved |
| S5-214688 | 02/09/2021 13:37:46 | approved |
| S5-214689 | 02/09/2021 13:38:02 | approved |
| S5-214690 | 02/09/2021 13:38:16 | approved |
| S5-214691 | 03/09/2021 09:43:38 | approved |
| S5-214692 | 02/09/2021 13:53:31 | approved |
| S5-214693 | 02/09/2021 13:51:41 | approved |
| S5-214694 | 02/09/2021 13:51:54 | approved |
| S5-214695 | 02/09/2021 13:52:11 | approved |
| S5-214696 | 06/09/2021 07:42:16 | approved |
| S5-214697 | 02/09/2021 13:53:45 | approved |
| S5-214698 | 02/09/2021 13:54:10 | approved |
| S5-214699 | 02/09/2021 13:57:45 | approved |
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| S5-214701 | 02/09/2021 14:00:07 | approved |
| S5-214702 | 06/09/2021 08:18:12 | approved |
| S5-214703 | 02/09/2021 14:13:06 | approved |
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| S5-214705 | 02/09/2021 14:15:00 | agreed |
| S5-214706 | 02/09/2021 14:15:15 | agreed |
| S5-214707 | 02/09/2021 14:15:43 | agreed |
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| S5-214709 | 03/09/2021 09:43:57 | agreed |
| S5-214710 | 02/09/2021 14:28:04 | reserved |
| S5-214710 | 03/09/2021 09:44:03 | agreed |
| S5-214711 | 02/09/2021 13:35:16 | approved |
| S5-214712 | 02/09/2021 13:38:48 | approved |
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| S5-214715 | 02/09/2021 14:01:28 | approved |
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| S5-214717 | 02/09/2021 14:15:57 | agreed |
| S5-214718 | 02/09/2021 14:24:37 | agreed |
| S5-214719 | 02/09/2021 10:31:18 | noted |
| S5-214720 | 02/09/2021 13:58:31 | approved |
| S5-214721 | 02/09/2021 13:58:15 | approved |
| S5-214722 | 02/09/2021 13:58:53 | approved |
| S5-214723 | 02/09/2021 14:00:33 | approved |
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| S5-214726 | 02/09/2021 14:26:07 | agreed |
| S5-214727 | 02/09/2021 15:02:08 | revised |
| S5-214728 | 02/09/2021 13:18:46 | agreed |
| S5-214729 | 02/09/2021 10:31:53 | approved |
| S5-214730 | 01/09/2021 14:10:47 | agreed |
| S5-214731 | 01/09/2021 14:11:52 | agreed |
| S5-214732 | 01/09/2021 14:12:49 | agreed |
| S5-214733 | 01/09/2021 14:13:41 | reserved |
| S5-214734 | 01/09/2021 14:15:07 | agreed |
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| S5-214736 | 01/09/2021 14:15:51 | agreed |
| S5-214738 | 01/09/2021 11:38:12 | reserved |
| S5-214738 | 03/09/2021 10:12:26 | noted |
| S5-214739 | 01/09/2021 11:38:35 | reserved |
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| S5-214741 | 01/09/2021 13:22:59 | approved |
| S5-214750 | 03/09/2021 07:13:17 | approved |
| S5-214751 | 06/09/2021 07:42:28 | approved |
| S5-214752 | 03/09/2021 09:44:14 | approved |
| S5-214753 | 03/09/2021 09:44:18 | approved |
| S5-214754 | 01/09/2021 14:22:06 | reserved |
| S5-214755 | 01/09/2021 15:26:56 | approved |
| S5-214756 | 02/09/2021 15:02:28 | reserved |
| S5-214756 | 03/09/2021 14:11:50 | approved |
| S5-214757 | 06/09/2021 07:42:32 | approved |
| S5-214758 | 02/09/2021 14:58:17 | reserved |
| S5-214758 | 03/09/2021 11:25:41 | approved |
| S5-214760 | 02/09/2021 13:08:05 | agreed |
| S5-214770 | 02/09/2021 13:12:25 | approved |
| S5-214771 | 02/09/2021 13:11:31 | approved |

## Annex B: List of change requests

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| S5-214222 | Rel-17 CR 28.310 Update on the solutions for energy efficiency | China Telecom Corporation Ltd. | 28.310 | 0017 | - | Rel-17 | F | EE5GPLUS | revised |
| S5-214608 | Rel-17 CR 28.310 Update on the solutions for energy efficiency | China Telecom Corporation Ltd. | 28.310 | 0017 | 1 | Rel-17 | F | EE5GPLUS | agreed |
| S5-214366 | Rel-17 CR 28.313 Requirements, use cases and services for C-PCI | Ericsson France S.A.S | 28.313 | 0017 | 2 | Rel-17 | B | eSON\_5G | revised |
| S5-214602 | Rel-17 CR 28.313 Requirements, use cases and services for C-PCI | Ericsson France S.A.S | 28.313 | 0017 | 3 | Rel-17 | B | eSON\_5G | agreed |
| S5-214084 | Rel-17 CR 28.313 remove plug and connect procedure | Oy LM Ericsson AB | 28.313 | 0025 | - | Rel-17 | C | PACMAN | not pursued |
| S5-214136 | Rel-17 CR 28.313 Add RRM related measurements info | Intel Corporation (UK) Ltd | 28.313 | 0026 | - | Rel-17 | B | eSON\_5G | revised |
| S5-214600 | Rel-17 CR 28.313 Add RRM related measurements info | Intel Corporation (UK) Ltd | 28.313 | 0026 | 1 | Rel-17 | B | eSON\_5G | agreed |
| S5-214137 | Rel-17 CR 28.313 Add CCO use cases, requirements, information, and procedure | Intel Corporation (UK) Ltd | 28.313 | 0027 | - | Rel-17 | B | eSON\_5G | revised |
| S5-214603 | Rel-17 CR 28.313 Add CCO use cases, requirements, information, and procedure | Intel Corporation (UK) Ltd | 28.313 | 0027 | 1 | Rel-17 | B | eSON\_5G | agreed |
| S5-214138 | Rel-17 CR 28.313 Editorial changes | Intel Corporation (UK) Ltd | 28.313 | 0028 | - | Rel-17 | D | eSON\_5G | revised |
| S5-214604 | Rel-17 CR 28.313 Editorial changes | Intel Corporation (UK) Ltd | 28.313 | 0028 | 1 | Rel-17 | D | eSON\_5G | agreed |
| S5-214216 | Rel-17 CR TS 28.313 Update procedures for plug and connect to management system | Huawei, China Telecom | 28.313 | 0029 | - | Rel-17 | B | PACMAN | not pursued |
| S5-214240 | Aligning with RAN specifications 36.331 and 25.331 | Ericsson Limited | 28.404 | 0004 | - | Rel-16 | F | QoED | agreed |
| S5-214246 | Adding Signalling Based Activation (SBA) and 5G requirements to 28.404 | Ericsson Limited | 28.404 | 0005 | - | Rel-17 | B | eQoE | revised |
| S5-214732 | Adding Signalling Based Activation (SBA) and 5G requirements to 28.404 | Ericsson Limited | 28.404 | 0005 | 1 | Rel-17 | B | eQoE | agreed |
| S5-214244 | Aligning with RAN specifications 36.331 and 25.331 | Ericsson Limited | 28.405 | 0001 | - | Rel-16 | F | QoED | agreed |
| S5-214057 | Uplift definition of NetworkSliceSubnet | Bell Mobility | 28.530 | 0046 | - | Rel-17 | F | TEI17 | not pursued |
| S5-214107 | Rel-15 CR 28.531 correction\_of\_network\_slice\_subnet\_configuration | Huawei | 28.531 | 0067 | - | Rel-15 | F | NETSLICE-PRO\_NS | revised |
| S5-214537 | Rel-15 CR 28.531 correction\_of\_network\_slice\_subnet\_configuration | Huawei | 28.531 | 0067 | 1 | Rel-15 | F | NETSLICE-PRO\_NS | agreed |
| S5-214108 | Rel-16 CR 28.531 correction\_of\_network\_slice\_subnet\_configuration | Huawei | 28.531 | 0068 | - | Rel-16 | A | NETSLICE-PRO\_NS | revised |
| S5-214538 | Rel-16 CR 28.531 correction\_of\_network\_slice\_subnet\_configuration | Huawei | 28.531 | 0068 | 1 | Rel-16 | A | NETSLICE-PRO\_NS | agreed |
| S5-214109 | Rel-17 CR 28.531 correction\_of\_network\_slice\_subnet\_configuration | Huawei | 28.531 | 0069 | - | Rel-17 | A | NETSLICE-PRO\_NS | revised |
| S5-214539 | Rel-17 CR 28.531 correction\_of\_network\_slice\_subnet\_configuration | Huawei | 28.531 | 0069 | 1 | Rel-17 | A | NETSLICE-PRO\_NS | agreed |
| S5-214202 | Rel-17 CR TS 28.531 Update procedure of reservation and checking feasibility of network slice subnet | Huawei,China Unicom,Deutsche Telekom | 28.531 | 0070 | - | Rel-17 | B | adNRM | not pursued |
| S5-214294 | Rel-17 CR 28.531 updating NSSI deallocation | Samsung R&D Institute UK | 28.531 | 0071 | - | Rel-17 | A | TEI16,NETSLICE-PRO\_NS | revised |
| S5-214541 | Rel-17 CR 28.531 updating NSSI deallocation | Samsung R&D Institute UK | 28.531 | 0071 | 1 | Rel-17 | A | TEI16,NETSLICE-PRO\_NS | agreed |
| S5-214359 | TS 28.531 Update the SLA management related requirements and procedure | China Mobile Com. Corporation | 28.531 | 0072 | - | Rel-17 | B | EMA5SLA | not pursued |
| S5-214372 | Rel-15 CR 28.531 Removing network slice capacity planning | Samsung Electronics Benelux BV | 28.531 | 0073 | - | Rel-15 | F | NETSLICE-PRO\_NS | revised |
| S5-214542 | Rel-15 CR 28.531 Removing network slice capacity planning | Samsung Electronics Benelux BV | 28.531 | 0073 | 1 | Rel-15 | F | NETSLICE-PRO\_NS | agreed |
| S5-214373 | Rel-17 CR 28.531 updating NSSI deactivation | Samsung R&D Institute UK | 28.531 | 0074 | - | Rel-17 | A | TEI16,NETSLICE-PRO\_NS | revised |
| S5-214546 | Rel-17 CR 28.531 updating NSSI deactivation | Samsung R&D Institute UK | 28.531 | 0074 | 1 | Rel-17 | A | TEI16,NETSLICE-PRO\_NS | agreed |
| S5-214375 | Rel-16 CR 28.531 Removing network slice capacity planning | Samsung Electronics Benelux BV | 28.531 | 0075 | - | Rel-16 | A | NETSLICE-PRO\_NS | revised |
| S5-214543 | Rel-16 CR 28.531 Removing network slice capacity planning | Samsung Electronics Benelux BV | 28.531 | 0075 | 1 | Rel-16 | A | NETSLICE-PRO\_NS | agreed |
| S5-214378 | Rel-17 CR 28.531 Removing network slice capacity planning | Samsung Electronics Benelux BV | 28.531 | 0076 | - | Rel-17 | A | NETSLICE-PRO\_NS | revised |
| S5-214544 | Rel-17 CR 28.531 Removing network slice capacity planning | Samsung Electronics Benelux BV | 28.531 | 0076 | 1 | Rel-17 | A | NETSLICE-PRO\_NS | agreed |
| S5-214379 | Rel-15 CR 28.531 Removing Notify Network Slice Subnet Capability Information | Samsung Electronics Benelux BV | 28.531 | 0077 | - | Rel-15 | F | NETSLICE-PRO\_NS | revised |
| S5-214547 | Rel-15 CR 28.531 Removing Notify Network Slice Subnet Capability Information | Samsung Electronics Benelux BV | 28.531 | 0077 | 1 | Rel-15 | F | NETSLICE-PRO\_NS | agreed |
| S5-214380 | Rel-16 CR 28.531 Removing Notify Network Slice Subnet Capability Information | Samsung Electronics Benelux BV | 28.531 | 0078 | - | Rel-16 | A | NETSLICE-PRO\_NS | revised |
| S5-214548 | Rel-16 CR 28.531 Removing Notify Network Slice Subnet Capability Information | Samsung Electronics Benelux BV | 28.531 | 0078 | 1 | Rel-16 | A | NETSLICE-PRO\_NS | agreed |
| S5-214381 | Rel-17 CR 28.531 Removing Notify Network Slice Subnet Capability Information | Samsung Electronics Benelux BV | 28.531 | 0079 | - | Rel-17 | A | NETSLICE-PRO\_NS | revised |
| S5-214549 | Rel-17 CR 28.531 Removing Notify Network Slice Subnet Capability Information | Samsung Electronics Benelux BV | 28.531 | 0079 | 1 | Rel-17 | A | NETSLICE-PRO\_NS | agreed |
| S5-214382 | Rel-17 CR 28.531 updating NSSI allocation | Samsung R&D Institute UK | 28.531 | 0080 | - | Rel-17 | A | TEI16,NETSLICE-PRO\_NS | revised |
| S5-214551 | Rel-17 CR 28.531 updating NSSI allocation | Samsung R&D Institute UK | 28.531 | 0080 | 1 | Rel-17 | A | TEI16,NETSLICE-PRO\_NS | agreed |
| S5-214386 | Rel-16 CR 28.531 updating NSSI deallocation | Samsung R&D Institute UK | 28.531 | 0081 | - | Rel-16 | F | TEI16,NETSLICE-PRO\_NS | revised |
| S5-214540 | Rel-16 CR 28.531 updating NSSI deallocation | Samsung R&D Institute UK | 28.531 | 0081 | 1 | Rel-16 | F | TEI16,NETSLICE-PRO\_NS | agreed |
| S5-214387 | Rel-16 CR 28.531 updating NSSI deactivation | Samsung R&D Institute UK | 28.531 | 0082 | - | Rel-16 | F | TEI16,NETSLICE-PRO\_NS | revised |
| S5-214545 | Rel-16 CR 28.531 updating NSSI deactivation | Samsung R&D Institute UK | 28.531 | 0082 | 1 | Rel-16 | F | TEI16,NETSLICE-PRO\_NS | agreed |
| S5-214390 | Rel-16 CR 28.531 updating NSSI allocation | Samsung R&D Institute UK | 28.531 | 0083 | - | Rel-16 | F | TEI16,NETSLICE-PRO\_NS | revised |
| S5-214550 | Rel-16 CR 28.531 updating NSSI allocation | Samsung R&D Institute UK | 28.531 | 0083 | 1 | Rel-16 | F | TEI16,NETSLICE-PRO\_NS | agreed |
| S5-214490 | Rel-17 CR 28.531 Introduce support for reallocation to modify service characteristics | Ericsson GmbH, Eurolab, Deutsche Telekom | 28.531 | 0084 | - | Rel-17 | C | EMA5SLA | not pursued |
| S5-214310 | Add Exception Reporting Support to PM XML File Schema | Ericsson LM | 28.532 | 0177 | 1 | Rel-17 | C | ePM\_KPI\_5G | not pursued |
| S5-214131 | Rel-16 CR 28.532 Remove last occurrences of “-Type” in data type names | Nokia, Nokia Shanghai Bell | 28.532 | 0178 | - | Rel-16 | F | NETSLICE, TEI16 | revised |
| S5-214552 | Rel-16 CR 28.532 Remove last occurrences of “-Type” in data type names | Nokia, Nokia Shanghai Bell | 28.532 | 0178 | 1 | Rel-16 | F | NETSLICE, TEI16 | agreed |
| S5-214132 | Rel-16 CR 28.532 Correct definition of the “timeTick” parameter in the File MnS | Nokia, Nokia Shanghai Bell | 28.532 | 0179 | - | Rel-16 | F | NETSLICE, TEI16 | revised |
| S5-214553 | Rel-16 CR 28.532 Correct definition of the “timeTick” parameter in the File MnS | Nokia, Nokia Shanghai Bell | 28.532 | 0179 | 1 | Rel-16 | F | NETSLICE, TEI16 | agreed |
| S5-214193 | Rel-16 CR TS 28.532 Alignment the description for streaming data reporting MnS producer | Huawei | 28.532 | 0180 | - | Rel-16 | F | TEI16 | revised |
| S5-214554 | Rel-16 CR TS 28.532 Alignment the description for streaming data reporting MnS producer | Huawei | 28.532 | 0180 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-214357 | Rel-15 CR Deleting measuredEntityId from File Structure | Samsung Electronics Benelux BV | 28.532 | 0181 | - | Rel-15 | F | NETSLICE-PRO\_NS | not pursued |
| S5-214361 | Rel-16 CR Deleting measuredEntityId from File Structure | Samsung Electronics Benelux BV | 28.532 | 0182 | - | Rel-16 | A | NETSLICE-PRO\_NS | not pursued |
| S5-214401 | Rel-17 CR 28.532 Extend object creation method with id selection by the MnS producer (REST SS, OpenAPI definition) | Nokia, Nokia Shanghai Bell | 28.532 | 0183 | - | Rel-17 | B | TEI17 | not pursued |
| S5-214412 | Rel-17 CR 28.532 Extend object creation method with id selection by the MnS producer (stage 2) | Nokia, Nokia Shanghai Bell | 28.532 | 0184 | - | Rel-17 | B | TEI17 | not pursued |
| S5-214521 | Rel-16 CR 28.532 Add missing reference for TS 32.404 and RFC 6901 | Nokia | 28.532 | 0185 | - | Rel-16 | F | TEI16, NETSLICE | agreed |
| S5-214112 | Rel-17 CR 28.533 Add support for discovery of management services | Huawei | 28.533 | 0082 | - | Rel-17 | C | 5GDMS | not pursued |
| S5-214121 | Rel-17 CR 28.533 Add description of management capability for tenant | Huawei | 28.533 | 0083 | - | Rel-17 | B | eMEMTANE | not pursued |
| S5-214440 | R15 CR 28533-f50 Correcting the Scope | Ericsson Inc. | 28.533 | 0084 | - | Rel-15 | F | TEI15 | not pursued |
| S5-214442 | R16 CR 28533-g70 Correcting the Scope | Ericsson Inc. | 28.533 | 0085 | - | Rel-16 | A | TEI15 | not pursued |
| S5-214594 | Remove unnecessary stage 2 details for discovery of management services | Huawei | 28.533 | 0086 | - | Rel-17 | C | 5GDMS | agreed |
| S5-214172 | Rel-17 CR 28.535 Update the network prediction assisted SLS communication service assurance use case | China Telecom Corporation Ltd. | 28.535 | 0050 | - | Rel-17 | F | eCOSLA | withdrawn |
| S5-214209 | Rel-17 CR TS 28.535 Add use case for radio coverage optimization | Huawei | 28.535 | 0051 | - | Rel-17 | B | eCOSLA | not pursued |
| S5-214223 | Rel-17 CR 28.535 Update the network prediction assisted SLS communication service assurance use case | China Telecom Corporation Ltd. | 28.535 | 0052 | - | Rel-17 | F | eCOSLA | withdrawn |
| S5-214232 | Rel-17 CR 28.535 Update the network prediction assisted SLS communication service assurance use case | China Telecom Corporation Ltd.,Huawei | 28.535 | 0053 | - | Rel-17 | F | eCOSLA | revised |
| S5-214599 | Rel-17 CR 28.535 Update the network prediction assisted SLS communication service assurance use case | China Telecom Corporation Ltd.,Huawei | 28.535 | 0053 | 1 | Rel-17 | F | eCOSLA | agreed |
| S5-214234 | Rel-17 CR 28.535 Update the communication service quality assurance and optimization use case | China Telecom Corporation Ltd.,Huawei | 28.535 | 0054 | - | Rel-17 | F | eCOSLA | not pursued |
| S5-214477 | Rel-17 CR TS 28.535 Add use case of advance testing and monitoring assisted SLS assurance | AsiaInfo | 28.535 | 0055 | - | Rel-17 | B | eCOSLA | not pursued |
| S5-214495 | Rel-16 CR 28.535 Update reference to ETSI ZSM group specifications | Ericsson GmbH, Eurolab, Deutsche Telekom | 28.535 | 0056 | - | Rel-16 | F | COSLA | not pursued |
| S5-214496 | Rel-17 CR 28.535 Update reference to ETSI ZSM group specifications | Ericsson GmbH, Eurolab, Deutsche Telekom | 28.535 | 0057 | - | Rel-17 | A | COSLA | not pursued |
| S5-214210 | Rel-17 CR TS 28.536 Add concrete closed loop policy configuration for radio coverage optimization | Huawei | 28.536 | 0030 | - | Rel-17 | B | eCOSLA | not pursued |
| S5-214410 | Rel-17 CR 28.536 Focused ACCL | Samsung Electronics Benelux BV | 28.536 | 0031 | - | Rel-17 | B | eCOSLA | not pursued |
| S5-214447 | Rel-17 CR 28.536 Focused ACCL - Stage 3 | Samsung Electronics Benelux BV | 28.536 | 0032 | - | Rel-17 | B | eCOSLA | not pursued |
| S5-214474 | Rel-17 CR TS 28.536 Add openAPI definition for the concrete closed loop policy configuration for radio coverage optimization | HUAWEI Technologies Japan K.K. | 28.536 | 0033 | - | Rel-17 | B | eCOSLA | withdrawn |
| S5-214494 | Rel-17 CR 28.536 Correction of yaml definition references for state management | Ericsson GmbH, Eurolab | 28.536 | 0034 | - | Rel-17 | F | eCOSLA | not pursued |
| S5-214113 | Rel-17 CR 28.537 Add support for discovery of management services | Huawei | 28.537 | 0004 | - | Rel-17 | B | 5GDMS | revised |
| S5-214610 | Rel-17 CR 28.537 Add support for discovery of management services | Huawei | 28.537 | 0004 | 1 | Rel-17 | B | 5GDMS | agreed |
| S5-214525 | Rel-17 CR 28.537 Add requirements for data management | Nokia, Nokia Shanghai Bell | 28.537 | 0005 | - | Rel-17 | B | MADCOL | agreed |
| S5-214593 | Rel-17 CR 28.537 Add requirements for file management | Nokia | 28.537 | 0006 | - | Rel-17 | B | FIMA | agreed |
| S5-214052 | YANG NR-NRM model structure repair and cleanup | Cisco Systems Belgium | 28.541 | 0517 | - | Rel-16 | F | eNRM | agreed |
| S5-214053 | YANG NR-NRM model structure repair and cleanup | Cisco Systems Belgium | 28.541 | 0518 | - | Rel-17 | A | eNRM | agreed |
| S5-214056 | Increase flexibility of NetworkSlice to NetworkSliceSubnet relationship | Bell Mobility | 28.541 | 0519 | - | Rel-17 | C | adNRM | not pursued |
| S5-214066 | Use of TopSliceSubnetProfile | Ericsson Telecomunicazioni SpA | 28.541 | 0520 | - | Rel-17 | C | EMA5SLA | revised |
| S5-214580 | Use of TopSliceSubnetProfile | Ericsson Telecomunicazioni SpA | 28.541 | 0520 | 1 | Rel-17 | C | EMA5SLA | agreed |
| S5-214090 | Deprecate Top-Attr and use Top instead | Nokia, Nokia Shanghai Bell | 28.541 | 0521 | - | Rel-16 | F | TEI16 | agreed |
| S5-214091 | Deprecate Top-Attr and use Top instead | Nokia, Nokia Shanghai Bell | 28.541 | 0522 | - | Rel-17 | A | TEI16 | agreed |
| S5-214092 | Fix incorrect attributes inheritance description | Nokia, Nokia Shanghai Bell | 28.541 | 0523 | - | Rel-16 | F | TEI16 | agreed |
| S5-214097 | Fix incorrect attributes inheritance description | Nokia, Nokia Shanghai Bell | 28.541 | 0524 | - | Rel-17 | A | TEI16 | agreed |
| S5-214104 | Rel-17 CR 28.541 Add survival time to CNSliceProfile | Huawei | 28.541 | 0525 | - | Rel-17 | B | EMA5SLA | agreed |
| S5-214110 | Rel-17 CR 28.541 Add NRM IOC of N5 N70 and N71 | Huawei | 28.541 | 0526 | - | Rel-17 | B | adNRM | revised |
| S5-214587 | Rel-17 CR 28.541 Add NRM IOC of N5 N70 and N71 | Huawei | 28.541 | 0526 | 1 | Rel-17 | B | adNRM | agreed |
| S5-214111 | Rel-17 CR 28.541adding\_NRM\_for\_N33 | Huawei | 28.541 | 0527 | - | Rel-17 | B | adNRM | revised |
| S5-214588 | Rel-17 CR 28.541adding\_NRM\_for\_N33 | Huawei | 28.541 | 0527 | 1 | Rel-17 | B | adNRM | agreed |
| S5-214164 | Rel-17 CR 28.541 Enhance 5GC NRM to support DDNMF | CATT | 28.541 | 0528 | - | Rel-17 | B | adNRM | agreed |
| S5-214166 | Rel-16 CR TS 28.541 Remove the attribute definition which is not used | China Telecom Corporation Ltd. | 28.541 | 0529 | - | Rel-16 | F | eNRM | agreed |
| S5-214169 | Rel-17 CR TS 28.541 Remove the attribute definition which is not used | China Telecom Corporation Ltd. | 28.541 | 0530 | - | Rel-17 | A | eNRM | agreed |
| S5-214182 | Rel-17 CR 28.541 Add NPN Identity on NR cell to support access control for NPN UEs | Huawei | 28.541 | 0531 | - | Rel-17 | B | OAM\_NPN | revised |
| S5-214579 | Rel-17 CR 28.541 Add NPN Identity on NR cell to support access control for NPN UEs | Huawei | 28.541 | 0531 | 1 | Rel-17 | B | OAM\_NPN | agreed |
| S5-214191 | Rel-17 CR TS 28.541 enhance the NRM to support multiple SSBs in a carrier | ZTE Corporation | 28.541 | 0532 | - | Rel-17 | B | adNRM | not pursued |
| S5-214195 | Rel-16 CR TS 28.541 Fix the issue caused by the updated NetworkSliceSubnet inheritence relationship | Huawei | 28.541 | 0533 | - | Rel-16 | F | eNRM | revised |
| S5-214560 | Rel-16 CR TS 28.541 Fix the issue caused by the updated NetworkSliceSubnet inheritence relationship | Huawei | 28.541 | 0533 | 1 | Rel-16 | F | eNRM | agreed |
| S5-214196 | Rel-17 CR TS 28.541 Fix the issue caused by the updated NetworkSliceSubnet inheritence relationship | Huawei | 28.541 | 0534 | - | Rel-17 | A | eNRM | revised |
| S5-214561 | Rel-17 CR TS 28.541 Fix the issue caused by the updated NetworkSliceSubnet inheritence relationship | Huawei | 28.541 | 0534 | 1 | Rel-17 | A | eNRM | agreed |
| S5-214198 | Rel-17 CR TS 28.541 Update logicInterfaceId of EP\_transport | Huawei | 28.541 | 0535 | - | Rel-17 | F | adNRM | revised |
| S5-214589 | Rel-17 CR TS 28.541 Update logicInterfaceId of EP\_transport | Huawei | 28.541 | 0535 | 1 | Rel-17 | F | adNRM | agreed |
| S5-214200 | Rel-17 CR TS 28.541 Add feasibility check NRM fragment | Huawei,China Unicom,Deutsche Telekom | 28.541 | 0536 | - | Rel-17 | B | adNRM | not pursued |
| S5-214201 | Rel-17 CR TS 28.541 Add openAPI definition for feasibility check NRM fragment | Huawei,China Unicom,Deutsche Telekom | 28.541 | 0537 | - | Rel-17 | B | adNRM | not pursued |
| S5-214218 | Rel-17 CR TS 28.541 Add tenant IOC to support multiple tenant environment | Huawei | 28.541 | 0538 | - | Rel-17 | B | eMEMTANE | not pursued |
| S5-214224 | Rel-17 CR 28.541 Add radio spectrum support in slicing profiles | Huawei, China Mobile | 28.541 | 0539 | - | Rel-17 | B | EMA5SLA | revised |
| S5-214582 | Rel-17 CR 28.541 Add radio spectrum support in slicing profiles | Huawei, China Mobile | 28.541 | 0539 | 1 | Rel-17 | B | EMA5SLA | agreed |
| S5-214226 | Rel-17 CR 28.541 Add table to introduce SLA relevant KPIs and performance measurements | Huawei, China Mobile | 28.541 | 0540 | - | Rel-17 | B | EMA5SLA | not pursued |
| S5-214227 | Rel-17 CR 28.541 Add average throughput support for eMBB | Huawei, China Mobile | 28.541 | 0541 | - | Rel-17 | B | EMA5SLA | not pursued |
| S5-214228 | Rel-17 CR 28.541 Update maxPktSize and determinComm to support UL and DL requirements | Huawei, China Mobile | 28.541 | 0542 | - | Rel-17 | C | EMA5SLA | agreed |
| S5-214229 | Rel-17 CR 28.541 Remove obsolete coverageArea attribute in TopSliceSubnetProfile | Huawei, China Mobile | 28.541 | 0543 | - | Rel-17 | F | EMA5SLA | agreed |
| S5-214235 | Rel-16 CR for TS 28.541 correction for attribute desrciption of servAttrCom | Huawei, Orange | 28.541 | 0544 | - | Rel-16 | F | eNRM | agreed |
| S5-214239 | Rel-17 CR for TS 28.541 correction for attribute description of servAttrCom | Huawei, Orange | 28.541 | 0545 | - | Rel-17 | A | eNRM | agreed |
| S5-214241 | Rel-16 CR 28.541 Correcion of YAML references | Ericsson India Private Limited | 28.541 | 0546 | - | Rel-16 | F | eNRM | agreed |
| S5-214249 | Rel-17 CR 28.541 Correcion of YAML references | Ericsson India Private Limited | 28.541 | 0547 | - | Rel-17 | A | eNRM | agreed |
| S5-214251 | Revise description of NextHopInfo and qosProfileRefList attribute in EP\_transport IOC | Nokia, Nokia Shanghai Bell, KDDI | 28.541 | 0548 | - | Rel-17 | F | adNRM | agreed |
| S5-214303 | Update resourceType PRB for UL (Uplink) and DL (Downlink) | Ericsson LM | 28.541 | 0549 | - | Rel-17 | C | adNRM | revised |
| S5-214730 | Update resourceType PRB for UL (Uplink) and DL (Downlink) | Ericsson LM | 28.541 | 0549 | 1 | Rel-17 | C | adNRM | agreed |
| S5-214360 | TS 28.541 Add translated attributes for TN domain | China Mobile Com. Corporation | 28.541 | 0550 | - | Rel-17 | B | EMA5SLA | not pursued |
| S5-214385 | Rel-17 CR 28.541 Correction of ServiceProfile | Ericsson India Private Limited | 28.541 | 0551 | - | Rel-17 | F | TEI17 | agreed |
| S5-214395 | Remove isINEF attribute from NEFFunction IOC | Nokia, Nokia Shanghai Bell | 28.541 | 0552 | - | Rel-16 | F | TEI16 | agreed |
| S5-214396 | YANG updates to correct YANG merging problems | Ericsson Hungary Ltd | 28.541 | 0553 | - | Rel-16 | F | eNRM | agreed |
| S5-214397 | Enhance 5G Core AMF NRM fragment | Nokia Germany | 28.541 | 0554 | - | Rel-17 | B | adNRM | revised |
| S5-214585 | Enhance 5G Core AMF NRM fragment | Nokia Germany | 28.541 | 0554 | 1 | Rel-17 | B | adNRM | agreed |
| S5-214398 | Remove isINEF attribute from NEFFunction IOC | Nokia, Nokia Shanghai Bell | 28.541 | 0555 | - | Rel-17 | A | TEI16 | agreed |
| S5-214404 | YANG updates to correct YANG merging problems | Ericsson Hungary Ltd | 28.541 | 0556 | - | Rel-17 | A | eNRM | agreed |
| S5-214406 | Fix inconsistent clauses and attributes used in TS 38.211 and TS 28.541 | Nokia, Nokia Shanghai Bell, CMCC | 28.541 | 0557 | - | Rel-17 | A | TEI16 | revised |
| S5-214556 | Fix inconsistent clauses and attributes used in TS 38.211 and TS 28.541 | Nokia, Nokia Shanghai Bell, CMCC | 28.541 | 0557 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-214411 | Moving RIM monitoring related attributes to NRCellDU | Nokia, Nokia Shanghai Bell, CMCC | 28.541 | 0558 | - | Rel-17 | A | eNRM | revised |
| S5-214558 | Moving RIM monitoring related attributes to NRCellDU | Nokia, Nokia Shanghai Bell, CMCC | 28.541 | 0558 | 1 | Rel-17 | A | eNRM | agreed |
| S5-214413 | Extend NRM fragment to support EP\_transport for mid-haul | Nokia, Nokia Shanghai Bell | 28.541 | 0559 | - | Rel-17 | C | adNRM | revised |
| S5-214731 | Extend NRM fragment to support EP\_transport for mid-haul | Nokia, Nokia Shanghai Bell | 28.541 | 0559 | 1 | Rel-17 | C | adNRM | agreed |
| S5-214455 | Rel-17 CR 28.541 Edge NRM | Samsung Electronics Benelux BV | 28.541 | 0560 | - | Rel-17 | B | ECM | not pursued |
| S5-214456 | Moving RIM monitoring related attributes to NRCellDU | Nokia, Nokia Shanghai Bell, CMCC | 28.541 | 0561 | - | Rel-16 | F | eNRM | agreed |
| S5-214458 | Enhance 5G Core managed NF Profile NRM fragmen | Nokia Germany | 28.541 | 0562 | - | Rel-17 | B | adNRM | revised |
| S5-214586 | Enhance 5G Core managed NF Profile NRM fragmen | Nokia Germany | 28.541 | 0562 | 1 | Rel-17 | B | adNRM | agreed |
| S5-214460 | Rel-17 CR 28.541 Edge NRM Stage-3 | Samsung Electronics Benelux BV | 28.541 | 0563 | - | Rel-17 | B | ECM | not pursued |
| S5-214470 | Delete AMFInfo datatype in NRM fragment | Nokia Germany | 28.541 | 0564 | - | Rel-17 | F | adNRM | agreed |
| S5-214472 | Fix inconsistent clauses and attributes used in TS 38.211 and TS 28.541 | Nokia, Nokia Shanghai Bell, CMCC | 28.541 | 0565 | - | Rel-16 | F | TEI16 | revised |
| S5-214555 | Fix inconsistent clauses and attributes used in TS 38.211 and TS 28.541 | Nokia, Nokia Shanghai Bell, CMCC | 28.541 | 0565 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-214479 | Correction of YANG Solution set | Ericsson Hungary Ltd | 28.541 | 0566 | - | Rel-17 | F | adNRM | revised |
| S5-214557 | Correction of YANG Solution set | Ericsson Hungary Ltd | 28.541 | 0566 | 1 | Rel-17 | F | adNRM | agreed |
| S5-214481 | Correction of YANG Solution set | Ericsson Hungary Ltd | 28.541 | 0567 | - | Rel-16 | F | adNRM | withdrawn |
| S5-214482 | Rel-17 CR TS 28.541 add missing openAPI definition update for S5-213508 | HUAWEI Technologies Japan K.K. | 28.541 | 0568 | - | Rel-17 | F | adNRM | agreed |
| S5-214120 | Rel-17 CR 28.545 Add use case to management capability for tenant | Huawei | 28.545 | 0011 | - | Rel-17 | B | eMEMTANE | not pursued |
| S5-214119 | Rel-17 CR 28.550 Add use case to management capability for tenant | Huawei | 28.550 | 0066 | - | Rel-17 | B | eMEMTANE | not pursued |
| S5-214159 | CR Rel-15 28.550 Correction of OpenAPI | Intel Belgium SA/NV | 28.550 | 0067 | - | Rel-15 | F | NETSLICE-ADPM5G | revised |
| S5-214563 | CR Rel-15 28.550 Correction of OpenAPI | Intel Belgium SA/NV | 28.550 | 0067 | 1 | Rel-15 | F | NETSLICE-ADPM5G | agreed |
| S5-214160 | CR Rel-16 28.550 Correction of OpenAPI | Intel Belgium SA/NV | 28.550 | 0068 | - | Rel-16 | A | NETSLICE-ADPM5G | revised |
| S5-214564 | CR Rel-16 28.550 Correction of OpenAPI | Intel Belgium SA/NV | 28.550 | 0068 | 1 | Rel-16 | A | NETSLICE-ADPM5G | agreed |
| S5-214059 | Add PRB Usage for MIMO scenario | China Unicom, Huawei | 28.552 | 0307 | - | Rel-17 | B | ePM\_KPI\_5G | withdrawn |
| S5-214139 | Rel-17 CR 28.552 Add RRM related measurements | Intel Corporation (UK) Ltd | 28.552 | 0308 | - | Rel-17 | B | eSON\_5G | revised |
| S5-214601 | Rel-17 CR 28.552 Add RRM related measurements | Intel Corporation (UK) Ltd | 28.552 | 0308 | 1 | Rel-17 | B | eSON\_5G | agreed |
| S5-214140 | Rel-17 CR 28.552 Correction for the Number of Active Ues measurements | Intel Corporation (UK) Ltd | 28.552 | 0309 | - | Rel-17 | F | eSON\_5G | agreed |
| S5-214141 | Rel-17 CR 28.552 Add PCI related measurement | Intel Corporation (UK) Ltd | 28.552 | 0310 | - | Rel-17 | B | eSON\_5G | not pursued |
| S5-214147 | CR Rel-17 28.552 Add measurements related to AF session with QoS for NEF | Intel Belgium SA/NV | 28.552 | 0311 | - | Rel-17 | B | ePM\_KPI\_5G | revised |
| S5-214734 | CR Rel-17 28.552 Add measurements related to AF session with QoS for NEF | Intel Belgium SA/NV | 28.552 | 0311 | 1 | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-214148 | CR Rel-17 28.552 Add measurements related to applying policy for NEF | Intel Belgium SA/NV | 28.552 | 0312 | - | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-214149 | CR Rel-17 28.552 Add measurements related to UCMF provisoning for NEF | Intel Belgium SA/NV | 28.552 | 0313 | - | Rel-17 | B | ePM\_KPI\_5G | revised |
| S5-214735 | CR Rel-17 28.552 Add measurements related to UCMF provisoning for NEF | Intel Belgium SA/NV | 28.552 | 0313 | 1 | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-214165 | Add PRB Usage for MIMO scenario | China Unicom, Huawei, CATT | 28.552 | 0314 | - | Rel-17 | B | ePM\_KPI\_5G | not pursued |
| S5-214173 | Rel-17 CR 28.552 Add PLMN granularity to PDCP SDU data volume measurement per interface for split gNB deployment scenario | China Telecom Corporation Ltd. | 28.552 | 0315 | - | Rel-17 | F | ePM\_KPI\_5G | revised |
| S5-214736 | Rel-17 CR 28.552 Add PLMN granularity to PDCP SDU data volume measurement per interface for split gNB deployment scenario | China Telecom Corporation Ltd. | 28.552 | 0315 | 1 | Rel-17 | F | ePM\_KPI\_5G | agreed |
| S5-214267 | Revise the calculation for average round-trip packet delay between PSA UPF and NG-RAN | China Mobile Com. Corporation | 28.552 | 0316 | - | Rel-17 | A | 5G\_SLICE\_ePA | revised |
| S5-214565 | Revise the calculation for average round-trip packet delay between PSA UPF and NG-RAN | China Mobile Com. Corporation | 28.552 | 0316 | 1 | Rel-17 | A | 5G\_SLICE\_ePA | agreed |
| S5-214363 | Rel-16 CR 28.552 Replace Editor's notes with references | Ericsson France S.A.S | 28.552 | 0317 | - | Rel-16 | F | SON\_5G | agreed |
| S5-214364 | Rel-17 CR 28.552 Replace Editor's notes with references | Ericsson France S.A.S | 28.552 | 0318 | - | Rel-17 | A | SON\_5G | agreed |
| S5-214485 | Add PM on Handover failures per beam related to MRO for intra-system mobility | Nokia Germany | 28.552 | 0319 | - | Rel-17 | B | eSON\_5G | not pursued |
| S5-214518 | Rel-16 CR 28.552 Revise the calculation for average round-trip packet delay between PSA UPF and NG-RAN | OAM1 | 28.552 | 0320 | - | Rel-16 | F | 5G\_SLICE\_ePA | agreed |
| S5-214103 | Rel-17 CR TS 28.554 New Energy Consumption KPIs | Orange | 28.554 | 0082 | - | Rel-17 | B | EE5GPLUS | agreed |
| S5-214233 | Update the EE KPI for the URLLC network slice | China Telecom Corporation Ltd. | 28.554 | 0083 | - | Rel-17 | C | EE5GPLUS | revised |
| S5-214609 | Update the EE KPI for the URLLC network slice | China Telecom Corporation Ltd. | 28.554 | 0083 | 1 | Rel-17 | C | EE5GPLUS | agreed |
| S5-214270 | Add Mean&Maximum CM-Connected subscribers of network slice through AMF | China Mobile Com. Corporation | 28.554 | 0084 | - | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-214289 | Add PFCP session established success rate of one network and one network slice | China Mobile Com. Corporation | 28.554 | 0085 | - | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-214105 | Rel-15 CR 28.622 Correction for vnfParametersList | Huawei | 28.622 | 0109 | - | Rel-15 | F | NETSLICE-5GNRM | revised |
| S5-214566 | Rel-15 CR 28.622 Correction for vnfParametersList | Huawei | 28.622 | 0109 | 1 | Rel-15 | F | NETSLICE-5GNRM | agreed |
| S5-214106 | Rel-16 CR 28.622 Correction for vnfParametersList | Huawei | 28.622 | 0110 | - | Rel-16 | A | NETSLICE-5GNRM | revised |
| S5-214567 | Rel-16 CR 28.622 Correction for vnfParametersList | Huawei | 28.622 | 0110 | 1 | Rel-16 | A | NETSLICE-5GNRM | agreed |
| S5-214134 | Rel-16 CR 28.622 Add missing MnsAgent to class and inheritance diagrams | Nokia, Nokia Shanghai Bell | 28.622 | 0111 | - | Rel-16 | F | NETSLICE, TEI16 | revised |
| S5-214568 | Rel-16 CR 28.622 Add missing MnsAgent to class and inheritance diagrams | Nokia, Nokia Shanghai Bell | 28.622 | 0111 | 1 | Rel-16 | F | NETSLICE, TEI16 | agreed |
| S5-214184 | Rel-16 CR 28.622 Add missing notification type “notifyClearedAlarm” to the attribute “notificationTypes” | Nokia, Nokia Shanghai Bell | 28.622 | 0112 | - | Rel-16 | F | eNRM | agreed |
| S5-214197 | Rel-16 CR TS 28.622 Fix the issue caused by the updated NetworkSliceSubnet inheritence relationship | Huawei | 28.622 | 0113 | - | Rel-16 | F | eNRM | revised |
| S5-214562 | Rel-16 CR TS 28.622 Fix the issue caused by the updated NetworkSliceSubnet inheritence relationship | Huawei | 28.622 | 0113 | 1 | Rel-16 | F | eNRM | agreed |
| S5-214231 | Rel-16 CR 28.623 Clarify resource id is required and nullable | Nokia, Nokia Shanghai Bell | 28.622 | 0114 | - | Rel-16 | F | TEI16, REST\_SS | withdrawn |
| S5-214260 | Rel-16 CR 28.622 Correction and clarification of reporting in TraceJob (stage2) | Nokia, Nokia Shanghai Bell | 28.622 | 0115 | - | Rel-16 | F | 5GMDT | agreed |
| S5-214304 | Rel-16 CR 28.622 Adaptation and cleanup of Trace/MDT related parameters (stage2) | Nokia, Nokia Shanghai Bell | 28.622 | 0116 | - | Rel-16 | F | 5GMDT | agreed |
| S5-214444 | Rel-17 CR 28.622 ManagementDataCollectionJob.docx | Samsung Electronics Benelux BV | 28.622 | 0117 | - | Rel-17 | B | MADCOL | not pursued |
| S5-214449 | Rel-17 CR 28.622 ManagementDataCollectionJob Stage-3 | Samsung Electronics Benelux BV | 28.622 | 0118 | - | Rel-17 | B | MADCOL | withdrawn |
| S5-214192 | Rel-16 CR 28.623 Replace local data type definition for notificationFilter by common filter definition | Nokia; Nokia Shanghai Bell | 28.623 | 0131 | - | Rel-16 | F | TEI16, REST\_SS | revised |
| S5-214571 | Rel-16 CR 28.623 Replace local data type definition for notificationFilter by common filter definition | Nokia; Nokia Shanghai Bell | 28.623 | 0131 | 1 | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-214236 | Rel-16 CR 28.623 Correct data type of notificationId (YANG definitions) | Nokia, Nokia Shanghai Bell | 28.623 | 0132 | - | Rel-16 | F | TEI16 | revised |
| S5-214569 | Rel-16 CR 28.623 Correct data type of notificationId (YANG definitions) | Nokia, Nokia Shanghai Bell | 28.623 | 0132 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-214238 | Rel-16 CR 28.623 Clarify resource id is required and nullable (OpenAPI definitions) | Nokia, Nokia Shanghai Bell | 28.623 | 0133 | - | Rel-16 | F | TEI16, REST\_SS | revised |
| S5-214572 | Rel-16 CR 28.623 Clarify resource id is required and nullable (OpenAPI definitions) | Nokia, Nokia Shanghai Bell | 28.623 | 0133 | 1 | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-214262 | Rel-16 CR 28.623 Correction and clarification of reporting in TraceJob (stage3) | Nokia, Nokia Shanghai Bell | 28.623 | 0134 | - | Rel-16 | F | 5GMDT | agreed |
| S5-214305 | Rel-16 CR 28.623 Adaptation and cleanup of Trace/MDT related parameters (stage3) | Nokia, Nokia Shanghai Bell | 28.623 | 0135 | - | Rel-16 | F | 5GMDT | agreed |
| S5-214391 | YANG updates to correct YANG merging problems | Ericsson Hungary Ltd | 28.623 | 0136 | - | Rel-16 | F | eNRM | agreed |
| S5-214473 | Correction of YANG Solution set | Ericsson Hungary Ltd | 28.623 | 0137 | - | Rel-16 | F | adNRM | revised |
| S5-214570 | Correction of YANG Solution set | Ericsson Hungary Ltd | 28.623 | 0137 | 1 | Rel-16 | F | eNRM | agreed |
| S5-214187 | Rel-17 CR TS 32.130 Add NG-RAN sharing individual management use case and requirements | ZTE Corporation | 32.130 | 0014 | 1 | Rel-17 | B | MANS | revised |
| S5-214613 | Rel-17 CR TS 32.130 Add NG-RAN sharing individual management use case and requirements | ZTE Corporation | 32.130 | 0014 | 2 | Rel-17 | B | MANS | agreed |
| S5-214130 | Rel-16 CR 32.158 Correct definitions of resource update | Nokia, Nokia Shanghai Bell | 32.158 | 0018 | 1 | Rel-16 | F | TEI16, REST\_SS | revised |
| S5-214573 | Rel-16 CR 32.158 Correct definitions of resource update | Nokia, Nokia Shanghai Bell | 32.158 | 0018 | 2 | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-214392 | Rel-16 CR 32.158 Add more examples on how to use provisioning operations | Nokia, Nokia Shanghai Bell | 32.158 | 0020 | - | Rel-16 | F | TEI16,REST\_SS | not pursued |
| S5-214509 | Rel-16 CR 32.158 Clarify query parameters for filtering | Nokia, Nokia Shanghai Bell | 32.158 | 0021 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-214095 | Align different (abbreviated) names for support qualifier to “S” | Nokia, Nokia Shanghai Bell | 32.160 | 0021 | - | Rel-17 | F | TEI17 | revised |
| S5-214574 | Align different (abbreviated) names for support qualifier to “S” | Nokia, Nokia Shanghai Bell | 32.160 | 0021 | 1 | Rel-17 | A | METHOGY | agreed |
| S5-214099 | Rel-17 CR 32.160 Change format for NRM stage 3 definition rules from JSON to YAML | Nokia, Nokia Shanghai Bell | 32.160 | 0022 | - | Rel-17 | F | REST\_SS, TEI17 | agreed |
| S5-214446 | R17 CR 32160-h20 Add motivation to requirements | Ericsson Inc. | 32.160 | 0023 | - | Rel-17 | B | TEI17 | agreed |
| S5-214070 | Rel-16 CR 32.240 Correction on Converged charging functions | Nokia, Nokia Shanghai Bell | 32.240 | 0427 | - | Rel-16 | F | TEI16 | revised |
| S5-214705 | Rel-16 CR 32.240 Correction on Converged charging functions | Nokia, Nokia Shanghai Bell | 32.240 | 0427 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-214071 | Rel-17 CR 32.240 Correction on Converged charging functions | Nokia, Nokia Shanghai Bell | 32.240 | 0428 | - | Rel-17 | A | TEI16 | revised |
| S5-214706 | Rel-17 CR 32.240 Correction on Converged charging functions | Nokia, Nokia Shanghai Bell | 32.240 | 0428 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-214072 | Rel-17 CR 32.250 Inclusive language review | Nokia, Nokia Shanghai Bell | 32.250 | 0049 | - | Rel-17 | F | TEI17 | agreed |
| S5-214323 | Rel-17 CR 32.255 Addition of the PDU Session Pair ID | Huawei | 32.255 | 0319 | - | Rel-17 | B | 5G\_URLLC | revised |
| S5-214671 | Rel-17 CR 32.255 Addition of the PDU Session Pair ID | Huawei | 32.255 | 0319 | 1 | Rel-17 | B | 5G\_URLLC | agreed |
| S5-214324 | Rel-17 CR 32.255 Correction on RSN | Huawei | 32.255 | 0320 | - | Rel-17 | B | 5G\_URLLC | merged |
| S5-214325 | Rel-17 CR 32.255 Correction on usage reporting for URLLC charging | Huawei | 32.255 | 0321 | - | Rel-17 | B | 5G\_URLLC | revised |
| S5-214672 | Rel-17 CR 32.255 Correction on usage reporting for URLLC charging | Huawei | 32.255 | 0321 | 1 | Rel-17 | B | 5G\_URLLC | agreed |
| S5-214330 | Rel-17 CR 32.255 update description for charging message in annex C.2 | Huawei | 32.255 | 0322 | - | Rel-17 | B | TEI17\_NIESGU | revised |
| S5-214677 | Rel-17 CR 32.255 update description for charging message in annex C.2 | Huawei | 32.255 | 0322 | 1 | Rel-17 | B | TEI17\_NIESGU | agreed |
| S5-214341 | Rel-16 CR 32.255 Addition of supported fields for the Offline Only Charging | Huawei | 32.255 | 0323 | - | Rel-16 | F | TEI16 | agreed |
| S5-214342 | Rel-17 CR 32.255 Addition of supported fields for the Offline Only Charging | Huawei | 32.255 | 0324 | - | Rel-17 | A | TEI16 | agreed |
| S5-214343 | Rel-16 CR 32.255 Corretion on Charging Data Request Message | Huawei | 32.255 | 0325 | - | Rel-16 | F | TEI16 | agreed |
| S5-214344 | Rel-17 CR 32.255 Corretion on Charging Data Request Message | Huawei | 32.255 | 0326 | - | Rel-17 | A | TEI16 | agreed |
| S5-214345 | Rel-16 CR 32.255 Alignment of the charging data request and response | Huawei | 32.255 | 0327 | - | Rel-16 | F | TEI16 | agreed |
| S5-214346 | Rel-17 CR 32.255 Alignment of the charging data request and response | Huawei | 32.255 | 0328 | - | Rel-17 | A | TEI16 | agreed |
| S5-214418 | Rel-16 CR 32.255 Correcting serving network function usage | Ericsson LM | 32.255 | 0329 | - | Rel-16 | F | TEI16 | revised |
| S5-214725 | Rel-16 CR 32.255 Correcting serving network function usage | Ericsson LM | 32.255 | 0329 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-214419 | Rel-17 CR 32.255 Correcting serving network function usage | Ericsson LM | 32.255 | 0330 | - | Rel-17 | A | TEI16 | revised |
| S5-214726 | Rel-17 CR 32.255 Correcting serving network function usage | Ericsson LM | 32.255 | 0330 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-214073 | Rel-17 CR 32.272 Inclusive language review | Nokia, Nokia Shanghai Bell | 32.272 | 0039 | - | Rel-17 | F | TEI17 | agreed |
| S5-214331 | Rel-17 CR 32.290 update service description regarding GERAN UTRAN access | Huawei | 32.290 | 0165 | - | Rel-17 | B | TEI17\_NIESGU | revised |
| S5-214678 | Rel-17 CR 32.290 update service description regarding GERAN UTRAN access | Huawei | 32.290 | 0165 | 1 | Rel-17 | B | TEI17\_NIESGU | agreed |
| S5-214420 | Rel-16 CR 32.290 Correcting of trigger type usage | Ericsson LM | 32.290 | 0166 | - | Rel-16 | F | TEI16 | agreed |
| S5-214421 | Rel-17 CR 32.290 Correcting of trigger type usage | Ericsson LM | 32.290 | 0167 | - | Rel-17 | A | TEI16 | agreed |
| S5-214666 | Rel-16 CR 32.290 Quota threshold clarification | China Mobile Com. Corporation | 32.290 | 0168 | - | Rel-16 | F | TEI16 | agreed |
| S5-214707 | Rel-17 CR 32.290 Quota threshold clarification | China Mobile | 32.290 | 0169 | - | Rel-17 | A | TEI16 | agreed |
| S5-214250 | Rel-16 CR 32.291 Quota threshold clarification | China Mobile Com. Corporation | 32.291 | 0331 | - | Rel-16 | F | 5GS\_Ph1-SBI\_CH | not pursued |
| S5-214253 | Rel-17 CR 32.291 Nchf interface enhancements to support of GERAN and UTRAN | China Mobile Com. Corporation | 32.291 | 0332 | - | Rel-17 | B | TEI17\_NIESGU | revised |
| S5-214675 | Rel-17 CR 32.291 Nchf interface enhancements to support of GERAN and UTRAN | China Mobile Com. Corporation | 32.291 | 0332 | 1 | Rel-17 | B | TEI17\_NIESGU | agreed |
| S5-214332 | Rel-17 CR 32.291 Add parameters related to GERAN and UTRAN access | Huawei | 32.291 | 0333 | - | Rel-17 | B | TEI17\_NIESGU | not pursued |
| S5-214337 | Rel-17 draftCR 32.291 Support of stateless CHFs | Huawei | 32.291 | 0334 | - | Rel-17 | F | TEI17 | not pursued |
| S5-214338 | Rel-16 CR 32.291 Clarify the Presence Reporting Area information | Huawei | 32.291 | 0335 | - | Rel-16 | F | TEI16 | revised |
| S5-214717 | Rel-16 CR 32.291 Clarify the Presence Reporting Area information | Huawei | 32.291 | 0335 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-214339 | Rel-16 CR 32.291 Correction on the Used Unit contanier in the QFIContainerInformation | Huawei | 32.291 | 0336 | - | Rel-16 | F | TEI16 | agreed |
| S5-214340 | Rel-16 CR 32.291 Clarify the User Location information | Huawei | 32.291 | 0337 | - | Rel-16 | F | TEI16 | revised |
| S5-214718 | Rel-16 CR 32.291 Clarify the User Location information | Huawei | 32.291 | 0337 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-214422 | Rel-16 CR 32.291 Correcting trigger type attribute usage | Ericsson LM | 32.291 | 0338 | - | Rel-16 | F | TEI16 | not pursued |
| S5-214423 | Rel-17 CR 32.291 Correcting filter rule as list | Ericsson LM | 32.291 | 0339 | - | Rel-17 | F | TEI17 | revised |
| S5-214708 | Rel-17 CR 32.291 Correcting filter rule as list | Ericsson LM | 32.291 | 0339 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-214670 | Rel-17 CR 32.291 Addition of IMS charging information | Ericsson | 32.291 | 0340 | - | Rel-17 | B | 5GSIMSCH | revised |
| S5-214760 | Rel-17 CR 32.291 Addition of IMS charging information | Ericsson | 32.291 | 0340 | 1 | Rel-17 | B | 5GSIMSCH | agreed |
| S5-214673 | Rel-17 CR 32.291 Addition of new URLLC information element | Huawei | 32.291 | 0341 | - | Rel-17 | B | 5G\_URLLC | agreed |
| S5-214709 | Rel-16 CR 32.291 Update OpenAPI version | Huawei | 32.291 | 0342 | - | Rel-16 | F | TEI16 | agreed |
| S5-214710 | Rel-17 CR 32.291 Update OpenAPI version | Huawei | 32.291 | 0343 | - | Rel-17 | F | TEI17 | agreed |
| S5-214074 | Rel-17 CR 32.295 Inclusive language review | Nokia, Nokia Shanghai Bell | 32.295 | 0014 | - | Rel-17 | F | TEI17 | agreed |
| S5-214068 | Rel-17 CR 32.298 Introduction of PSCell ID in SGW CDR | Nokia, Nokia Shanghai Bell | 32.298 | 0872 | - | Rel-17 | C | EDCE5-CH, TEI17 | agreed |
| S5-214075 | Rel-17 CR 32.298 Inclusive language review | Nokia, Nokia Shanghai Bell | 32.298 | 0873 | - | Rel-17 | F | TEI17 | agreed |
| S5-214254 | Rel-17 CR 32.298 Add GERAN-UTRAN user location information | China Mobile Com. Corporation | 32.298 | 0874 | - | Rel-17 | B | TEI17\_NIESGU | revised |
| S5-214676 | Rel-17 CR 32.298 Add GERAN-UTRAN user location information | China Mobile Com. Corporation | 32.298 | 0874 | 1 | Rel-17 | B | TEI17\_NIESGU | agreed |
| S5-214255 | Rel-17 CR 32.298 CHF CDR enhancements to support of GERAN and UTRAN | China Mobile Com. Corporation | 32.298 | 0875 | - | Rel-17 | B | TEI17\_NIESGU | revised |
| S5-214728 | Rel-17 CR 32.298 CHF CDR enhancements to support of GERAN and UTRAN | China Mobile Com. Corporation | 32.298 | 0875 | 1 | Rel-17 | B | TEI17\_NIESGU | agreed |
| S5-214674 | Rel-17 CR 32.298 Addition of new URLLC information element | Huawei | 32.298 | 0876 | - | Rel-17 | B | 5G\_URLLC | agreed |
| S5-214067 | Rel-17 CR 32.299 Introduction of PSCell ID in SGW CDR | Nokia, Nokia Shanghai Bell | 32.299 | 0824 | - | Rel-17 | C | EDCE5-CH, TEI17 | agreed |
| S5-214076 | Rel-17 CR 32.299 Inclusive language review | Nokia, Nokia Shanghai Bell | 32.299 | 0825 | - | Rel-17 | F | TEI17 | agreed |
| S5-214263 | Rel-16 CR 32.422 Introduce missing parameter descriptions related to reporting of Trace/MDT | Nokia, Nokia Shanghai Bell | 32.422 | 0369 | - | Rel-16 | F | 5GMDT | agreed |
| S5-214266 | Rel-17 CR 32.422 Introduce missing parameter descriptions related to reporting of Trace/MDT | Nokia, Nokia Shanghai Bell | 32.422 | 0370 | - | Rel-17 | A | 5GMDT | agreed |
| S5-214307 | Rel-16 CR 32.422 Correction and cleanup of Trace/MDT related parameters and procedures | Nokia, Nokia Shanghai Bell | 32.422 | 0371 | - | Rel-16 | F | 5GMDT | agreed |
| S5-214309 | Rel-17 CR 32.422 Correction and cleanup of Trace/MDT related parameters and procedures | Nokia, Nokia Shanghai Bell | 32.422 | 0372 | - | Rel-17 | A | 5GMDT | agreed |
| S5-214405 | Align RAN specification for MDT Event Threshold for SINR | Ericsson LM | 32.422 | 0373 | - | Rel-16 | F | 5GMDT | revised |
| S5-214583 | Align RAN specification for MDT Event Threshold for SINR | Ericsson LM | 32.422 | 0373 | 1 | Rel-16 | F | 5GMDT | agreed |
| S5-214407 | Align RAN specification for MDT Event Threshold for SINR | Ericsson LM | 32.422 | 0374 | - | Rel-17 | A | 5GMDT | revised |
| S5-214584 | Align RAN specification for MDT Event Threshold for SINR | Ericsson LM | 32.422 | 0374 | 1 | Rel-17 | A | 5GMDT | agreed |
| S5-214306 | Add Exception Reporting Support to PM File Format Definition | Ericsson LM | 32.432 | 0008 | 1 | Rel-17 | C | ePM\_KPI\_5G | not pursued |
| S5-214308 | Add Exception Reporting Support to PM XML File Schema | Ericsson LM | 32.435 | 0011 | 1 | Rel-17 | C | ePM\_KPI\_5G | not pursued |
| S5-214133 | Rel-16 CR 28.532 Add missing reference for TS 32.404 and RFC 6901 | Nokia, Nokia Shanghai Bell | 32.532 | 0039 | - | Rel-16 | F | NETSLICE, TEI16 | withdrawn |
| S5-214393 | Rel-17 CR 28.532 Extend object creation method with id selection by the MnS producer (stage 2) | Nokia, Nokia Shabghai Bell | 32.532 | 0040 | - | Rel-17 | B | TEI17 | withdrawn |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Original | Title | From | Decision | Reply TDoc |
| S5-214013 |  | Reply 3GPP LS S5-213522 to TM Forum on Intent Management | TMF | postponed | ???? |
| S5-214014 |  | PTP device monitoring Public Committee Draft | 32NF Technology Committee | noted | (none) |
| S5-214015 |  | Reply 3GPP LS S5-213444 to TM Forum on Multi-SDO Autonomous Networks | TMF | noted | (none) |
| S5-214016 |  | Multi-SDO Autonomous Networks (AN) Formal Liaison:  Request for review of Letter of Intent and report on the 21st of June Formal meeting  Ref AN-SDO2021-08 | TMF | replied to | S5-214514 |
| S5-214017 |  | Resubmitted Reply LS on QoE Measurement Collection for LTE | RP-210922 | noted | (none) |
| S5-214018 |  | Resubmitted Reply LS on making PSCell ID available at the SGW of EPC | S2-2100248 | replied to | S5-214069 |
| S5-214019 |  | Resubmitted LS on slicing management aspects in relation to SEAL | S6-210709 | postponed | ???? |
| S5-214020 |  | Resubmitted Reply LS to SA5 on network sharing with multiple SSBs in a carrier | R2-2104606 | noted | (none) |
| S5-214021 |  | Resubmitted LS reply to 3GPP SA5 on Network Slice EE KPIs | GSMA | replied to | S5-214535 |
| S5-214022 |  | LS/r on methodology harmonization and REST-based network management framework (reply to 3GPP TSG SA5-S5-213454) | ITU-T SG2 | postponed | (none) |
| S5-214023 |  | Reply LS to GSMA Operator Platform Group ccSA5 on edge computing definition and integration | SP-210583 | noted | (none) |
| S5-214024 |  | LS ccSA5 on 5G capabilities exposure for factories of the future | S2-2104794 | noted | (none) |
| S5-214025 |  | LS ccSA5 on 5G capabilities exposure for factories of the future | S6-211497 | noted | (none) |
| S5-214026 |  | Answer to liaison from 3GPP SA5 EEPS(21)059002 | ETSI TC EE | noted | (none) |
| S5-214027 |  | LS on Clarifications on the offline charging only indication | C3-213546 | replied to | S5-214668 |
| S5-214028 |  | LS on (de)activation and failure handling of NR QMC | R3-212975 | replied to | S5-214186 |
| S5-214029 |  | LS reply to SA ccSA5 on GSMA 3GPP Edge Computing coordination | S2-2105034 | noted | (none) |
| S5-214030 |  | LS ccSA5 on the area handling for QoE during mobility | R3-212976 | noted | (none) |
| S5-214031 |  | Reply LS ccSA5 on Clarification on the API design principles | C4-213451 | noted | (none) |
| S5-214032 |  | LS on QoE report handling at QoE pause | R2-2106775 | replied to | S5-214519 |
| S5-214033 |  | LS on QoE configuration and reporting related issues | R2-2106776 | replied to | S5-214520 |
| S5-214034 |  | LS on Report Amount for M4, M5, M6, M7 measurements | R3-212961 | replied to | S5-214523 |
| S5-214035 |  | LS ccSA5 on requirement for configuration changes of ongoing QMC sessions | R3-212953 | noted | (none) |
| S5-214036 |  | LS on the mapping between service types and slice at application | R3-212904 | postponed | (none) |
| S5-214037 |  | Reply LS on LS Reply on QoS Monitoring for URLLC | R3-212937 | noted | (none) |
| S5-214038 |  | Reply LS ccSA5 to CT4 on Information on the port number allocation solutions | R3-212800 | noted | (none) |
| S5-214039 |  | Reply LS ccSA5 on SA WG2 assumptions from conclusion of study on architecture aspects for using satellite access in 5G | R3-212916 | noted | (none) |
| S5-214040 |  | Response LS on Handover terminology | R3-212907 | noted | (none) |
| S5-214041 |  | Reply LS on the clarification of HO and/or reselection parameters ranges required by MLB | R3-212840 | noted | (none) |
| S5-214042 |  | Reply LS on QoE Measurement Collection for LTE | RP-210922 | withdrawn | (none) |
| S5-214043 |  | Reply LS on making PSCell ID available at the SGW of EPC | S2-2100248 | replied to | S5-214069 |
| S5-214044 |  | LiaisonMulti-SDO Autonomous Networks (AN) Formal Liaison:21st June 2021 Meeting Invitation, agenda, Bridge, andMeeting Schedule Ref AN-SDO2021-07 | TMF | noted | (none) |
| S5-214045 |  | LS on initiation of a new work item M.il-AITOM “Intelligence Levels of AI enhanced Telecom Operation and Management” | ITU-T SG2 | noted | (none) |
| S5-214046 |  | LS/r on Network slice EE KPIs (reply to 3GPP TSG SA5-S5-2063446) | ITU-T SG5 | noted | (none) |
| S5-214047 |  | LS on the new work item on “Requirements and framework of NGNe orchestration enhancements for support computing power network” (Y.NGNe-O-CPN-reqts) | ITU-T SG13 | noted | (none) |
| S5-214508 |  | Liaison Multi-SDO Autonomous Networks (AN) Formal Liaison: 16th Aug 2021 Meeting Invitation, agenda, Bridge, and Meeting Schedule Ref AN-SDO2021-08 | TMF | noted | (none) |
| S5-214510 |  | LS on New Whitepaper: “E2E Network Slicing Architecture" | GSMA | postponed | (none) |
| S5-214511 |  | Liaison Multi-SDO Autonomous Networks (AN) Formal Liaison: Minutes and Actions 16th Aug 2021 Meeting #9 Ref AN-SDO2021-09 | TMF | noted | (none) |
| S5-214516 |  | Reply LS on using SA5 Performance Measurements and Trace for centralised PCI management | R2-2108967 | noted | (none) |
| S5-214517 |  | Reply LS on Report Amount for M4, M5, M6, M7 measurements | R2-2108966 | noted | (none) |
| S5-214665 |  | LS Reply on the offline charging only indication | S2-2106558 | replied to | S5-214668 |

### C2: Outgoing liaison statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document | Title | To | Cc | reply to i/c LS |
| S5-214069 | LS out on PSCELL ID availability in SGW CDR | ETSI TC LI | TSG SA, SA3LI, RAN3,SA2 | S5-214018,S5-214043 |
| S5-214186 | Reply LS on (de)activation and failure handling of NR QMC | RAN3 | SA2 | S5-214028 |
| S5-214467 | LS to SA3 for progress of security related work in SA5 | SA3 | - |  |
| S5-214514 | Reply to: Multi-SDO Autonomous Networks (AN) Formal Liaison:  Request for review of Letter of Intent and report on the 21st of June Formal meeting  Ref AN-SDO2021-08 | TMF | - | S5-214016 |
| S5-214519 | Reply to: LS on QoE report handling at QoE pause | RAN2,SA4 | SA3 | S5-214032 |
| S5-214520 | Reply to: LS on QoE configuration and reporting related issues | RAN2 | SA4,RAN3 | S5-214033 |
| S5-214523 | Reply to: LS on Report Amount for M4, M5, M6, M7 measurements | RAN3 | - | S5-214034 |
| S5-214535 | LS reply to LS reply to 3GPP SA5 on Network Slice EE KPIs | GSMA 5GJA | 3GPP SA | S5-214021 |
| S5-214607 | LS to ETSI NFV on MANO performance measurements accuracy to estimate VNF energy consumption | ETSI NFV | 3GPP SA | - |
| S5-214652 | LS to RAN3 on the F1 interface for MOCN network sharing for multiple Cell Identity broadcast scenario | RAN3 | - | - |
| S5-214667 | LS on UPF reporting for redundant transmission on transport layer | SA2 | - |  |
| S5-214668 | Reply to: LS Reply on the offline charging only indication | SA2,CT3 | - | S5-214665 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Title | Source | new/revised |
| S5-214532 | new WID Improved support for NSA in the service-based management architecture | Huawei Technologies (Korea), China Telecom | WID new |
| S5-214533 | new WI proposal for access control on management service | Nokia, Nokia Shanghai Bell | WID new |
| S5-214714 | New WID Charging aspects of edge computing | Intel Finland Oy | WID new |
| S5-214489 | WID Update Enhancement on Management Aspects of 5G Service-Level Agreement | Ericsson GmbH, Eurolab, Deutsche Telekom | WID revised |

## Annex E: List of draft Technical Specifications and Reports

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Spec | vers | Doc title |
| S5-214054 | 28.825 | 0.0.0 | Initial skeleton (v0.0.0) of TR 28.825 |
| S5-214086 | 28.538 | 0.1.0 | Initial skeleton (v0.1.0) of TS 28.538 |
| S5-214087 | 28.538 | 0.1.0 | Initial skeleton (v0.1.0) of TS 28.538 |
| S5-214430 | 28.826 | 0.0.0 | Initial skeleton (v0.0.0) of TR 28.826 |
| S5-214431 | 28.827 | 0.0.0 | Initial skeleton (v0.0.0) of TR 28.827 |
| S5-214624 | 28.538 | 0.1.0 | Initial skeleton (v0.1.0) of TS 28.538 |
| S5-214627 | 28.557 | 0.6.0 | Latest draft TS 28.557 |
| S5-214641 | 28.100 | 0.6.0 | Latest draft TS 28.100 |
| S5-214657 | 28.556 | 0.3.0 | Latest draft TS 28.556 |
| S5-214658 | 28.104 | 0.1.0 | Latest draft TS 28.104 |
| S5-214659 | 28.314 | 0.2.0 | Latest draft TS 28.314 |
| S5-214660 | 28.538 | 0.2.0 | Latest draft TS 28.538 |
| S5-214661 | 28.813 | 1.1.0 | Latest draft TR 28.813 |
| S5-214662 | 28.814 | 1.1.0 | Latest draft TR 28.814 |
| S5-214663 | 28.811 | 0.6.0 | Latest draft TR 28.811 |
| S5-214664 | 28.818 | 0.1.0 | Latest draft TR 28.818 |
| S5-214686 | 28.815 | 1.1.0 | Draft TR 28.815 |
| S5-214691 | 28.816 | 0.6.0 | Draft TR 28.816 |
| S5-214696 | 32.846 | 1.1.0 | Draft TR 32.846 |
| S5-214700 | 28.822 | 0.4.0 | Draft TR 28.822 |
| S5-214702 | 32.847 | 0.4.0 | Draft TR 32.847 |
| S5-214704 | 28.827 | 0.1.0 | Draft TR 28.827 |
| S5-214750 | 28.817 | 0.4.0 | Latest draft TR 28.817 |
| S5-214751 | 28.819 | 0.2.0 | Latest draft TR 28.819 |
| S5-214752 | 28.925 | 0.2.0 | Latest draft TR 28.925 |
| S5-214753 | 28.825 | 0.1.0 | Latest draft TR 28.825 |
| S5-214757 | 28.824 | 0.2.0 | Latest draft TR 28.824 |

## Annex F: List of participants

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TITLE | Family Name | Given Name | Employer Organization | Organization Represented |
| Dr. | Al-kanani | Hassan | NEC Europe Ltd | NEC Europe Ltd |
| Mrs. | Allwang | Christiane | Nokia Germany | Nokia Germany |
| Mr. | Andrianov | Anatoly | Nokia Germany | Nokia Japan |
| Mrs. | Ayani | Zhulia | Ericsson LM | L.M. Ericsson Limited |
| Mr. | Bizzarri | Simone | TELECOM ITALIA S.p.A. | TELECOM ITALIA S.p.A. |
| Mr. | Braam | Sjors | TNO | KPN N.V. |
| Mr. | Cano Soveri | Mirko | ETSI | ETSI |
| Miss | cao | guangjing | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Mr. | Cao | Longyu | HUAWEI TECHNOLOGIES Co. Ltd. | HuaWei Technologies Co., Ltd |
| Mr. | Cao | Xi | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Dr. | Cetinkaya | Egemen | Verizon UK Ltd | Verizon Denmark |
| Mr. | Champel | Mary-Luc | Beijing Xiaomi Mobile Software | Beijing Xiaomi Electronics |
| Dr. | Chen | Ai | China Mobile Com. Corporation | China Mobile (Suzhou) Software |
| Mr. | Chen | Dong | Beijing Xiaomi Mobile Software | Xiaomi Communications |
| Miss | CHEN | SHAN | Huawei Tech.(UK) Co.. Ltd | HiSilicon Technologies Co. Ltd |
| Miss | Chen | Xiumin | China Telecommunications | China Telecom Corporation Ltd. |
| Mr. | Chou | Joey | Intel Corporation (UK) Ltd | Intel Corporation (UK) Ltd |
| Dr. | Cornily | Jean Michel | Orange | Orange Romania |
| Mr. | Dempo | Hiroshi | NEC Corporation | NEC Europe Ltd |
| Miss | Dong | Jia | China Mobile E-Commerce Co. | China Mobile Com. Corporation |
| Mr. | Drijver | Floris | TNO | TNO |
| Dr. | Dunne | Cameron Ross | Amdocs Software Systems Ltd | Amdocs Software Systems Ltd |
| Mr. | Elmdahl | Per | Ericsson France S.A.S | Ericsson France S.A.S |
| Dr. | Featherstone | Walter | Samsung R&D Institute UK | Samsung Electronics Polska |
| Miss | Feng | Chengcheng | China Mobile Research Inst. | China Mobile Com. Corporation |
| Mr. | Gao | Xiao-Ming | Ericsson LM | Ericsson LM |
| Mr. | Garcia | Jorge | HISPASAT SA | HISPASAT SA |
| Mrs. | Gardella | Maryse | Nokia France | Nokia Belgium |
| Mr. | Gautam | Deepanshu | Samsung R&D Institute UK | Samsung Electronics Benelux BV |
| Mr. | Glozman | Borislav | Amdocs Software Systems Ltd | Amdocs Software Systems Ltd |
| Dr. | Goerge | Jürgen | Nokia Germany | Nokia Germany |
| Mr. | Goldberg | Martin | U.S. National Security Agency | U.S. National Security Agency |
| Mr. | Görmer | Gerald | Matrixx | Matrixx |
| Mr. | Groenendijk | Jan | Ericsson LM | Ericsson GmbH, Eurolab |
| Miss | Guo | Chuyi | China Mobile Research Inst. | China Mobile Com. Corporation |
| Miss | Guo | Shasha | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Mr. | Gupta | Nishant | Samsung Electronics Co., Ltd | Samsung Electronics Romania |
| Mr. | Gupta | Varini | Samsung R&D Institute India | Samsung Electronics Iberia SA |
| Mr. | Harper | Colby | Pivotal Commware | Pivotal Commware |
| Mr. | Hassett | Brendan | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies Sweden AB |
| Miss | He | Xin | China Unicom | China Unicom |
| Mr. | Horvat | Atila | Hewlett-Packard Enterprise | Hewlett-Packard Enterprise |
| Ms. | Hu | Yaxi | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Miss | Huang | Xietian | HUAWEI Technologies Japan K.K. | HUAWEI Technologies Japan K.K. |
| Mr. | Jerbi | Walid | Deutsche Telekom AG | Deutsche Telekom AG |
| Mr. | Ju | Manchang | ZTE Corporation | ZTE Corporation |
| Mr. | Kaushik | Ashutosh | Samsung R&D Institute UK | Samsung R&D Institute UK |
| Mr. | Klotz | Michael | Deutsche Telekom AG | Deutsche Telekom AG |
| Dr. | Kollar | Martin | Nokia Solutions & Networks (I) | Nokia Solutions & Networks (I) |
| Mr. | Lengyel | Balazs | Ericsson Hungary Ltd | Ericsson Hungary Ltd |
| Mr. | Li | Gang | Nanjing Ericsson Panda Com Ltd | Nanjing Ericsson Panda Com Ltd |
| Mrs. | li | jing | China Unicom | China Unicom |
| Mr. | li | leimin | Commsat | Commsat |
| Mr. | Li | Shitao | Huawei Tech.(UK) Co.. Ltd | HUAWEI TECH. GmbH |
| Miss | li | weiyuan | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Miss | Li | Yexing | Huawei Tech.(UK) Co.. Ltd | HUAWEI TECHNOLOGIES Co. Ltd. |
| Mr. | Libunao | Gerardo | Verizon UK Ltd | Verizon UK Ltd |
| Mr. | Lindblad | Jan | Cisco Systems Belgium | Cisco Systems Belgium |
| Mr. | LIU | Jianning(Carry) | Beijing Xiaomi Software Tech | Beijing Xiaomi Software Tech |
| Ms. | Lu | Wei | Xiaomi Technology | Xiaomi Technology |
| Mr. | Lyu | Feibi | China Unicom | China Unicom |
| Miss | Ma | Mengyuan | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Mr. | Malashnyak | Volodymyr | Ericsson LM | Ericsson Telecomunicazioni SpA |
| Mr. | Mayer | Georg | HuaWei Technologies Co., Ltd | HUAWEI TECHNOLOGIES Co. Ltd. |
| Mr. | McNamee | Alan | Amdocs Software Systems Ltd | Amdocs Software Systems Ltd |
| Dr. | Mwanje | Stephen | Nokia | Nokia Germany |
| Ms. | Niu | Yuxia | China Telecom Corporation Ltd. | China Telecom Corporation Ltd. |
| Dr. | Ondrusova | Sandra | CKH IOD UK LIMITED | CKH IOD UK LIMITED |
| Mr. | Ordonez-Lucena | Jose | TELEFONICA S.A. | TELEFONICA S.A. |
| Mr. | Pal | Raj | U.S. Department of Defense | U.S. Department of Defense |
| Prof. | Pan | Jen-Yi | ITRI | ITRI |
| Mr. | Patry | Frank | Omnispace | Omnispace |
| Mr. | Pelletier | Stephan | Bell Mobility | Bell Mobility |
| Mr. | Petersen | Robert | Ericsson LM | Ericsson Inc. |
| Miss | Ping | Jing | Nokia Germany | Nokia Germany |
| Mr. | Potter | Benjamin | AT&T GNS Belgium SPRL | AT&T GNS Belgium SPRL |
| Mr. | Pozo | Sergio | VODAFONE Group Plc | Vodafone Italia SpA |
| Ms. | Rajendran | Rohini | Samsung R&D Institute India | Samsung Electronics GmbH |
| Mr. | Rebellon | Manuel | Sandvine Incorporated | Sandvine Incorporated |
| Mr. | Rodrigues | Joao | Nokia | Nokia UK |
| Mr. | Ronco | Enrico | TELECOM ITALIA S.p.A. | TELECOM ITALIA S.p.A. |
| Mrs. | Rosa Bolzek | Cintia | Ericsson LM | Ericsson India Private Limited |
| Dr. | Samdanis | Konstantinos | Nokia Germany | Nokia Germany |
| Mr. | Shekhar | Ravi | Cisco Systems | Cisco Systems |
| Mrs. | Shi | xiaoli | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Device Co., Ltd |
| Mr. | Shu | Min | CATT | CATT |
| Mr. | Smith | David K. | AT&T GNS Belgium SPRL | AT&T GNS Belgium SPRL |
| Miss | Song | Xiaojia | China Mobile Research Inst. | China Mobile Com. Corporation |
| Mr. | Sun | Mingrui | China Unicom | China Unicom |
| Mr. | Sun | Sean | Nokia Shanghai Bell | Nokia Shanghai Bell |
| Mrs. | Tang | Chunying | AsiaInfo Technologies Inc | AsiaInfo |
| Mr. | tanikawa | kazunori | NICT | NICT |
| Mr. | Törnkvist | Robert | Ericsson LM | Ericsson España S.A. |
| Mr. | Tovinger | Thomas | Ericsson LM | Ericsson LM |
| Mr. | Vaishnavi | Ishan | Lenovo (Beijing) Ltd | Lenovo Information Technology |
| Mr. | WANG | CHEN | China Mobile Research Inst. | China Mobile Com. Corporation |
| Dr. | Wang | Da | AsiaInfo Technologies Inc | AsiaInfo Technologies Inc |
| Ms. | Wang | Junfeng | Ericsson LM | Oy LM Ericsson AB |
| Ms. | Wang | Man | HuaWei Technologies Co., Ltd | Huawei Telecommunication India |
| Mr. | Wang | Tianyi | China Unicom | China Unicom |
| Dr. | Wang | Zhaoning | China Unicom | China Unicom |
| Ms. | Weaver | Farni | T-Mobile USA | T-Mobile USA Inc. |
| Ms. | WU | Jinhua | Beijing Xiaomi Mobile Software | Beijing Xiaomi Mobile Software |
| Miss | Wu | Liping | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Mr. | XING | XIAOCHENG | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies France |
| Dr. | Xu | Lexi | China Unicom | China Unicom |
| Mr. | Xu | Ruiyue | Huawei Tech.(UK) Co.. Ltd | HUAWEI Technologies Japan K.K. |
| Dr. | Yang | Penglin | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Mr. | Yao | Yizhi | Intel Corporation (UK) Ltd | Intel Belgium SA/NV |
| Mr. | Ying | Jedy | Quectel | Quectel |
| Dr. | Yu | Xiaobo | Alibaba (China) Group., Ltd. | Alibaba (China) Group., Ltd. |
| Miss | Yuan | Jingjing | China Telecom Corporation Ltd. | China Telecom Corporation Ltd. |
| Ms. | Yuchao | Jin | China Unicom | China Unicom |
| Mr. | Zadeh | Bagher | Ericsson LM | Ericsson Limited |
| Miss | Zhang | Jiachen | China Mobile Research Inst. | China Mobile Com. Corporation |
| Mr. | Zhang | Jian | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies Japan K.K. |
| Mr. | Zhang | Kai | Huawei Tech.(UK) Co.. Ltd | Huawei Technologies R&D UK |
| Ms. | ZHANG | QINGQING | China Unicom | China Unicom |
| Mr. | Zhao | Song | China Telecom Corporation Ltd. | China Telecom Corporation Ltd. |
| Mr. | Zhu | Weihong | ZTE Corporation | ZTE Corporation |
| Ms. | Zou | Lan | Huawei Tech.(UK) Co.. Ltd | Huawei Technologies (Korea) |

## Annex G: List of future meetings

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| --- | --- | --- | --- | --- | --- |
| Title | Start date | End date (OP) | Town | Country | Reference |
| SA5#139e | 11-10-2021 | 20-10-2021 | Electronic meeting | online |  |
| SA5#140e | 15-11-2021 | 24-11-2021 | Electronic meeting | online |  |